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INTRODUCTION

Maize has occupied an important place not only in India but globally due to its potential and greater demand for food, feed and industrial utilization. The total production has surpassed over both sorghum and pearl millet giving it a third place after wheat and rice. The demand for maize grain is increasing every year because of its utilization in poultry, piggery and industrial uses.

During the year 2001-2002 the total area in the country under maize cultivation was 6.59 million hectare against 6.11 million hectare in 1999-2000 which was 0.01 million lower than the previous year. The total production during the year was 13.30 million tones compared to the previous year of 12.06 million tones giving an increase of 1.24 million tones. The productivity during the year was 2018 kg/ha. Against 1841 kg/ha in previous year. The marginal increase in the area has been reported from the states of Gujarat, Bihar, A.P., M.P., Rajasthan and Uttar Pradesh. However, the increase in production was mainly from Bihar, Madhya Pradesh and, Rajasthan..

During the period under report two full-season hybrids, Hybrid Buland for Delhi, Haryana, Punjab, U.P. and hybrid Sheetal for Punjab were released and notified for cultivation during winter season. One high quality protein maize Shaktiman-2 was released and notified for Bihar. Two composites, Jawahar Makka 216 and Gujarat Makka 6 were released and notified for M.P. and Gujarat.

During kharif 2002, 39 coordinated trials, 45 zonal and station trials, 56 CIMMYT trials, 4 quality protein maize trials and 4 specialized trials consisting one each for baby corn, pop corn, sweet corn and one high amylose and high oil corn trial were conducted at various research centers of the project. Mean grain yield in different zones in full season advance evaluation trial ranged from 4129 to 6307 kg/ha for NEH 109 (Zone V) and NECH 105 (zone III) respectively. In medium maturing trial, the mean yield range was 4880 kg/ha to 7324 kg/ha for the material BH 1576 (zone V) and X 46172 (zone II) respectively. In early maturity trial, grain yield ranged from 4648 to 6134 kg/ha for EH 3138 (zone II) and FH 3113 (zone V) respectively. In extra-early maturity trial grain yield ranged from 3802 to 5888 kg/ha for the materials AH 421 forzone II and V. In QPM trials, grain yield ranged from 2856 kg/ha for BQPH -33 to 5170 kg/ha for JH QPM 29.

Concerted efforts on development of single cross hybrid for early maturity for kharif, and full season hybrids for rabi under the Mission Mode Project funded by NATP led to identify two full season maize hybrids for winter season. Five hybrids in full season, four in medium maturity, two in early maturity and one in extra early maturity have given significantly higher yield in advance evaluation trials for second year during 2002 kharif. Similarly, through another NATP funded project on development of single cross hybrids for quality protein maize and carbohydrate profile under PSR mode, several inbred lines from India and abroad were evaluated. Two hybrids; one single cross and one three-way hybrid developed after adaptation of CIMMYT lines have been released in UP and Bihar for cultivation during rabi season. One yellow QPM maize, HQPM-1 hybrid has been identified and released by HAU for Haryana state.

During the period under report 29.34 quintals of breeder seed was indented including seed requirement from private sector. The total quantity of seed produced against the indent was 79.28 qtls. Some of the inbred lines and composite allocated to Dholi, Dharwad and Hyderabad centers are being produced during the rabi 2002-03.

A total of 861 introductions were received from various countries during the period under report. These consisted of 514 from Mexico, 175 from Thailand 111 from USA, 58 from Philippine and 3 from Ukrain. Fifty six trials from CIMMYT consisting of materials of IPTT, EVT and PRT were tested by different research centers of Directorate of Maize Research.

MAIZE AGRONOMY

Full- season maturity NECH 105 out yielded best check at Delhi, Karnal, Ludhiana, Varanasi, Karimnagar, Kolhapur and at Banaswara. Performance of BH 11620 outstanding at Delhi and Karnal Entry F 8007 showed significant superiority at Karimnagar and Kolhapur.

Medium Season

BIO 81009 and BIO 81096 at Jorhat HKH 11170 at Karnal and Ludhiana JIC MH 168 BIO 9111 Baharaich and Jashipur, and BH 11576 at Kolhapur and Karimnagar and BIO 911116 at Banaswara, Udaipur and at Chindwara performed significantly superior over best check.

Early Maturity

FH 3138 and x 3342 were two outstanding entries in hill region (Zone-I). X 3342 also out yielded best check at Karnal, Ludhiana and Kolhapur. BISCO 203 and x 2002 were another entries which produced significantly higher yield at Karnal and Ludhiana in Zone-II.

Extra early maturity

Performance of AH 421 was outstanding at Almora, Kangra, Ludhiana, Karnal, Karimnagar and Kolhapur. In Zone III entry D 994 showed its superiority at Jashipur and Varanasi.

QPM

DMR QPM 39 (CML 142 x CML 150) at Chhindwara and DMR QPM 40 (CML 175 x CML 176) at Ludhiana out yielded best check Shaktiman 1 at varying level of nitrogen.

Baby Corn Varieties

VL 78, FH 3176, VL 42 and HIM-123 were varieties which produced reasonably high baby corn yield.

Effect of Date of sowing on the yield of hybrids

Under early sowing (June 1 and 20) as 72-A was outstanding hybrids while under timely sown condition (July 10) JH 1479 produced highest yield.

Effect of method of sowing

Dibbling on the side of ridge was found best method at Chindwara.

Nitrogen levels for inbred lines

Differential response of inbreds to nitrogen level was not significant V 25 was highly productive inbred followed by CM 145 and CM 212

Intercropping in maize

Maize+ soybean (3:1 ratio) was found good for minimum reduction in yield of main crop with substantial yield of intercrop at Godhra.

Weed management intercropping

Alachlor was in maize + soybean and maize + mash was very effecting weedicide for increasing yield and reducing weed population.

Organic mater recycling

Application FYM in addition NPK significantly increased the yield of maize and wheat in cropping system at Almora, Chindwara and Banswara

Thio-urea treatment

Seed soaking in 0.1% thio-urea solution (6 hours) or spraying same concentration at tasselling stage, increased grain productivity at Udaipur and Banswara, respectively

ABIOTIC STRESS

Tolerance to water logging at Pantnagar

Excess soil moisture treatment was applied at knee-high stage continuously for one week. Same sets of materials were also grown under normal moisture conditions, as control. Data on various morph-logical traits, including plant mortality after water logging treatment, plant height, ear height, days to 50% anthesis and silking, plant stand at harvest and grain yield.

In full season maturity AET-1 trials 13 entries tested zone-2 and 3, including four checks. Among six entries in zone-2, best performance under water logging was noted with Deccan-103 with 28.9% yield loss under stress, followed by BIO-9681 (32.8%). In zone-3 the BIO-9681 ranked on top with least yield losses (5.6%). In medium maturity AET-1 trials total 33 entries were evaluated, including 14 in zone-2 and 19 in zone-3. In zone-2 PAC-70004 ranked on the top with % yield reduction of 4.3%, followed by KH-510 (7.07%), a best check. Entry X-2003 was top-ranking entry in zone-3 with 8.75% yield loss under water logging stress, followed by HKH-1191 (12.4%) and KH-510 (13.6%); performed as best check. In case of early maturity group 5 entries were tested in zone-2, among which PEHM-2 performed best, used as check. In extra early maturity a total 3 entries were evaluated, and SEEDTEC-1205 ranked above both checks used with % yield loss of 62.8% under water logging. In AET-2 trials total 40 entries were tested for water logging tolerance, including 10-FS, 16-M, 6-E and 8-EE. In full-season Ganga-11 (check) ranked on top with 9.5% yield loss, followed by BH-1434 (23.9%) in zone-2, and NECH.-105 was top ranking entry in zone-3, followed by PRO-311. Under medium maturity in zone-2 group KH-510 used as check was top ranking with 1.42 % yield loss due to stress conditions, followed by HKH-1171 (8.38%). In zone-3, none of the entry yielded above best check Deccan-105. In early maturity group variety Megha was top ranking entry with 18.7% yield loss, followed by PEHM-2 (45.9%) in zone-2. In case of extra early maturity, HIM-129 was top ranking entry (26.5%) in zone-2 and BAU-(FS) V1 (37.3%) was the best entry in zone-3.

MAIZE QUALITY

Fifteen QPM cultivars of advanced stage were evaluated for their total protein, zein and tryptophan contents and compared with normal Vijay and chalky opaque-2 Shakti. Most of the QPM cultivars showed ratio of non-zeins to zein of more than 2, having higher tryptophan whereas QPM cultivars, with a ratio of less than 2, have been value of tryptophan as compared to pure opaque-2 and normal maize as check. The results indicated that this can be an important parameter for screening of advanced QPM material.

Value added products like biscuits with QPM and maida in the ratio of 40:60 was nutritionally superior and well accepted.

Samples of germplasm from QPM, high starch, amyklomize, high oil were analyzed for various parameters.

PLANT PATHOLOGY AND NEMATOLOGY

A total of 432 materials included in different coordinated trials were evaluated to various economically important diseases, such as, Maydis leaf blight, Turcicum leaf blight, Banded leaf and sheath blight, Sorghum downy mildews, Brown stripe downy mildew, Post-flowering stalk rot and Erwinia stalk rot. All these evaluations were carried out under artificial disease epiphytotics, to ensure the optimum disease development. As a result some of the most promising genotypes with multiple disease resistance were identified viz. - BH-2528, PRO-359, F-1562, BIO-92327, NECH-110, BISCO-851, PAC-70005 were resistant against MLB, TLB, BSDM, PFSR and C. rust in full season maturity group. BISCO-1102, X-1280 A, HKH 1191, PRO 349, PRO 345, NECH-113, X-2003, JKMH-1080, PAC-70009, AH-1121, BIO-92218, X-46172 having resistance against MLB, BSDM, TLB, ESR, C. rust in medium maturity group while X-2185, X 2002, AH-01411, BISCO-2434, JH-3851, PAC-70001, SEEDTEC-1202, BIO-92136 against MLB, TLB, PFSR, BSDM in early maturity. In extra-early maturity group BISCO-2051 and AH-421 were resistant against MLB and PFSR.

Trap nursery comprising of 15 inbred lines conducted at all the coordinated centers to assess the disease reaction in natural conditions.

Inbred lines (13) evaluated against major diseases at various locations under artificial epiphytotic conditions. Some of the lines found resistant more than one disease are CM-145 for MLB, BLSB, RDM; DKI-3 for PFSR and BLSB; while CM 129 was resistant against RDM only.

Various QPM populations i.e. QPM-1, 2, 3, 4 and 5 were evaluated against major maize disease under artificial epiphytotic conditions at various testing centers. JH-QPM-29 was identified resistant against MLB, TLB and PFSR and 7 other genotypes were tolerant to MLB and TLB in QPM-1 population. Among QPM-2 population 7 genotypes were tolerant to MLB and TLB, while QPM 3 population CML-175 x CML-176 was resistant against MLB, Shaktiman-1 tolerant to TLB.

Maize genotypes (SCT) were evaluated against MLB, BLSB and PFSR at two hot spot locations i.e. Delhi and Hyderabad. B - *HOMH-11 was found resistant against MLB and PFSR while 6* entries were found resistant against MLB and 2 against PFSR.

Trials on chemical control were conducted to evaluate the efficacy of Metalaxyl M XL 35/ES (Apron XL 35 ES) against maize downy mildews and Dividend WS against BLSB and MLB through seed treatment. It was observed the Metalayxl (Apron 35 ES) was effective against various downy mildews @ 2.4 gm/kg seed. Seed treatment did not affect the germination percentage. However, the test fungicide was ineffective against MLB and BLSB.

At Mandya, various inbred lines were evaluated against SDM and some of the lines were found resistant. Out of 80 NAH, 25 MAH, 40 NAI, 61 SKV lines - 7, 1, 5, 5 lines respectively were identified as resistant. Out of 32 early and 30 CIMMYT (sib) lines evaluated, 3 and 8 lines respectively were resistant against SDM. At Nagenahalli out of 10 CM lines, 2 lines were identified as resistant against TLB. 66 lines of NAI and 89 lines of SKV were evaluated against TLB, most of them showed resistant reactions.

ICAR-CIMMYT COLLABORATIVE PROJECT

Under the ICAR-CIMMYT Collaborative Project on banded leaf and sheath blight a total of 2025 lines were evaluated to BLSB. Out of these 4 lines namely POB 45 C8-76-1-2-1-1-B-B-B-B-B, [CML 387[(M 37 WZM 607....)-8-S6]]-B-B-1-B, [CML 395-7/CML-202]-B-B-1-B and AMATLCOHS 71-1-1-2-1-1-1-BBBB-B were found to be tolerant (2.5 and below).

One hundred and forty-four materials received from various sources including CIMMYT were evaluated to post-flowering stalk rot pathogens at Udaipur, Ludhiana, Hyderabad and Delhi, 23 were found to be promising at all the locations.

In Nematology coordinated trials, 243 lines tested at Udaipur against maize cyst nematode. 19 lines were identified as moderately resistant. In population dynamics it showed that population of cyst increased with the age of crop and declined in hot sunny days and after harvesting the crop.

INSECT PESTS

A total of 367 entries were screened for Chilo partellus based on leaf injury level on 1-9 scale. In the first year of advance evaluation trials, eight lines from medium maturity period and two lines from early maturity period were found resistant. In the second year of advance evaluation trials, four, two, three and two lines were found to be resistant in the full season, medium duration, early duration and extra early duration lines respectively. While screening the germplasm for quality protein maize, one, two, one and three germplasm were found resistant for QPM-1, QPM-2, QPM-3 and QPM-4 respectively.

Only one resistant line could be selected in the 15 lines screened for SCT. In screening of 69 lines of Asian Maize Borer Tolerant Downy Mildew Resistant Population, 20 lines were found resistant.

Some chemical insecticides and biopesticides were evaluated against C. partellus and S. inferens. Recommended doses of Decis, Fipronil, Endosulfan, Imidacloprid, Multineem, NSKE and Biolep were used. The level of infestation and the severity of damage was observed to be in increasing order. There was significant bearing of these pesticides on yield, which was recorded in decreasing order. Among the seven pesticides tested Decis 2.8 EC at 0.7ml/L was found to be the best.

To estimate the post harvest losses caused by insects, work on screening of varieties has been carried out. The level of resistance was determined based on development period and larval mortality and grain weight loss. Out of thirty-five maize varieties screened against Khapra beetle, Trogoderma granarium, none of the varieties were found immune to this insect. On the basis of percent weight loss Surya, Dhawal, Ageti 76, Prabhat, D-765, Ashwini, Gujarat Makki-1 and Harsha varieties were found to be relatively resistant. Irrespective of the varieties, maximum weight loss was in embryo fraction followed by pericarp and endosperm. Weight loss in entire seed on dry weight basis was maximum in Madhuri followed by Basi local and NLD. Hence these varieties were placed in most susceptible group. Among forty- two QPM inbred lines tested against Sitophilus oryzae, nine lines were recorded as relatively resistant against the test insect.

For improving the mass rearing technology of insect pests, an insect handling device has been developed at headquarters. This device improves the efficiency of handling mass reared insects in the laboratory. Though any stage of the insect can be collected mechanically in the container of any shape or size, the only requirement is that it should be permeable to air which in any case an insect container has to be. The device had improved the efficiency in collecting lepidopterous insect like Chilo, Sesamia, Corcyra and the like. The workers also do not get exposed to the scales, which are health hazardous. It is equally suitable for handling beneficial insects.

Mass rearing of Corcyra cephalonica for the production of Trichogramma chilonis has been initiated at headquarters. The laboratory is now equipped for meeting the requirement of Trichogramma for our IPM trials in ensuing year.

The crop during last kharif receive setback because of the prevailing drought and therefore some of our programmes could not be undertaken.

The aerial insect trap has been standardized this year and the complete specifications have been filed for obtaining patent. The Aerial Insect Trap is used for quantitative and qualitative estimation of the flying insects in the field.

TABLE NO. I : MEAN MAXIMUM AND MINIMUM TEMPERATURE oC DURING 2002 AT VARIOUS RESEARCH

CENTRE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bajaura	Mean Max 0 C	16.5	16.6	23.2	27.4	32.6	33.4	33.6	30.3	27.8	27.9	24.7	-
	Mean Min 0 C	0.7	2.9	6.2	9.4	12.3	17.2	20.6	21.2	14.7	8.4	2.6	-
Kangra	Mean Max 0 C	17.0	20.8	23.7	32.3	38.0	36.7	34.3	31.6	30.6	28.4	24.0	-
	Mean Min 0 C	7.1	7.5	11.2	15.1	23.0	25.1	26.6	24.3	19.9	18.7	13.0	-
Jorhat	Mean Max 0 C	23.4	26.3	27.9	29.0	31.3	32.5	32.0	32.3	32.3	31.0	27.5	24.4
	Mean Min 0 C	9.8	11.5	14.5	17.7	21.6	23.8	24.0	23.8	23.1	20.1	16.1	11.6
Pantnagar	Mean Max 0 C	-	-	-	-	36.4	35.7	34.5	31.5	29.9	30.9	-	-
	Mean Min 0 C	-	-	-	-	25.0	24.9	26.3	25.2	22.4	17.4	-	-
Varahasi	Mean Max 0 C	-	-	-	-	-	37.4	36.0	32.8	31.8	31.8	-	-
	(Normal)	-	-	-	-	-	39.0	33.6	32.4	32.7	32.5	-	-
	Mean Min 0 C	-	-	-	-	-	27.4	27.8	26.0	24.8	20.1	-	-
	(Normal)	-	-	-	-	-	28.2	26.2	25.8	25.0	20.7	-	-
Jashipur	Mean Max 0 C	24.9	29.4	33.4	37.1	38.0	33.0	31.2	29.3	29.1	28.7	-	-
	Mean Min 0 C	13.6	16.0	20.7	24.4	26.6	25.5	25.7	24.5	24.1	22.4	-	-
Mandya	Mean Max 0 C	-	-	-	-	-	29.6	29.9	29.5	30.3	29.7	29.2	-
	Mean Min 0 C	-	-	-	-	-	20.7	20.0	20.1	20.3	19.7	17.8	-
Coimbtore	Mean Max 0 C	30.3	31.6	35.0	36.3	35.1	32.9	32.8	31.1	33.2	30.9	29.7	-
	(Normal)	31.2	31.5	34.5	33.2	34.4	30.6	30.1	31.1	31.6	30.9	29.2	-
	Mean Min 0 C	19.2	19.8	21.3	24.1	24.0	23.7	22.6	22.7	21.9	22.6	21.2	-
	(Normal)	18.7	18.9	20.8	23.4	22.2	22.0	21.2	22.0	21.8	21.1	20.9	-
Ambikapur	Mean Max 0 C	-	-	-	-	-	33.5	29.3	29.1	29.9	29.4	26.8	-
	Mean Min 0 C	-	-	-	-	-	24.2	23.1	22.9	21.9	19.3	12.5	-

TABLE NO. II : MEAN PER CENT RELATIVE HUMIDITY DURING 2002 KHARIF AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bajaura	69.0	72.0	71.5	65.0	58.0	60.5	63.0	75.0	72.5	61.0	58.0	-
Kangra	59.0	55.1	44.6	43.5	48.5	68.0	65.9	55.7	51.0	44.7	26.0	-
Jorhat	80.5	76.5	78.0	78.0	78.5	78.0	81.0	80.5	80.0	77.5	81.0	81.0
Pantnagar	-	-	-	-	64.0	74.0	84.0	90.0	91.0	87.0	-	-
(Normal)	-	-	-	-	42.0	50.0	56.0	71.0	72.0	51.0	-	-
Varanasi	-	-	-	-	-	62.2	64.7	78.7	80.5	69.8	-	-
(Normal)	-	-	-	-	-	52.0	78.0	82.0	88.0	64.0	-	-
Mandya(0730 hrs)	-	-	-	-	-	88.0	84.0	82.0	79.0	84.0	83.0	-
(1400 hrs)	-	-	-	-	-	55.0	51.0	56.0	51.0	56.0	52.0	-
Coimbtore	88.0	86.0	84.0	81.0	82.0	78.0	84.0	81.0	87.0	90.0	92.0	-
(Normal)	49.0	40.0	32.0	52.0	56.0	54.0	54.0	60.0	66.0	74.0	75.0	-
Ambikapur	-	-	-	-	-	72.0	83.0	92.0	91.0	84.0	83.0	-

TABLE NO. III : TOTAL RAINFALL (mm) RECORDED DURING 2002 AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bajaura	70.1	138.8	98.9	111.8	9.2	39.6	21.5	143.8	85.3	8.6	0.0	-
Kangra	44.0	45.4	52.6	70.2	-	113.2	380.0	1050.2	162.4	0.0	0.0	-
Jorhat	15.5	9.7	46.8	149.1	228.5	210.0	382.0	440.9	97.9	43.0	43.0	23.1
Pantnagar	-	-	-	-	29.2	202.6	335.0	568.4	259.6	0.0	-	-
Varanasi	-	-	-	-	-	61.2	159.7	145.4	224.0	85.2	-	-
(Normal)	-	-	-	-	-	82.3	314.0	331.6	232.7	45.9	-	-
Jashipur	47.0	0.0	35.2	57.5	47.2	263.7	124.7	264.4	452.2	86.2	-	-
(Normal)	13.2	21.7	15.5	44.3	88.6	363.3	267.8	380.3	195.9	75.3	12.3	7.6
Mandya	-	-	-	-	-	66.6	21.4	9.4	-	160.7	15.6	-
Coimbtore	-	-	69.2	3.0	29.1	6.8	6.5	59.8	19.9	229.9	99.7	-
(Normal)	13.6	11.4	25.9	52.9	42.2	40.5	66.1	31.5	69.3	138.0	120.0	-
Ambikapur	-	-	-	-	-	227.8	190.5	400.9	291.0	10.2	0.0	-
(Normal)	-	-	-	-	-	297.1	405.5	380.1	223.7	45.5	13.6	-

TABLE NO. IV : WIND VELOCITY KM/HOUR DURING 2002 AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	0.1	0.9	0.5	0.9	2.5	0.6	0.6	0.5	0.3	0.6	2.2	1.9
Varanasi	-	-	-	-	-	6.6	7.6	6.8	5.1	2.4	-	-
Coimbtore	5.6	7.5	6.7	6.2	10.7	17.0	13.7	17.4	10.7	6.4	4.0	-
(Normal)	5.4	5.6	7.8	3.9	4.3	15.6	14.8	10.9	5.7	3.6	2.9	-
Ambikapur	-	-	-	-	-	7.1	6.0	3.4	2.1	2.0	2.1	-

TABLE NO V : MEAN HOURS OF SUNSHINE DURING 2002 KHARIF AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bajaura	5.5	4.9	7.2	7.1	8.5	7.9	7.6	5.6	6.9	8.1	6.7	-
Pantnagar	-	-	-	-	10.0	9.3	6.0	4.9	5.3	9.4	-	-
Varanasi	-	-	-	-	-	7.1	5.3	6.6	5.3	8.2	-	-
(Normal)	-	-	-	-	-	7.1	5.0	4.3	6.9	8.7	-	-
Mandya												
Coimbtore	7.5	7.1	9.4	9.3	7.2	6.4	6.7	5.1	8.5	4.7	5.6	-
(Normal)	8.9	9.4	9.7	8.3	8.8	5.6	5.9	5.2	5.8	7.0	6.5	-
Ambikapur	-	-	-	-	-	6.4	4.5	3.8	6.6	8.5	7.8	-

TABLE NO. VI : MEAN EVAPORATION/TRANSPIRATION (mm) DURING KHARIF 2002 AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	1.1	1.8	2.3	2.3	0.4	2.7	2.5	2.0	2.7	2.1	1.7	1.2
Pantnagar	-	-	-	-	9.3	9.1	7.5	5.4	4.2	3.7	-	-
Varanasi	-	-	-	-	-	6.4	6.0	4.4	3.8	3.2	-	-
(Normal)	-	-	-	-	-	10.0	5.0	4.0	4.0	4.0	-	-
Coimbtore	3.9	4.9	7.2	6.8	6.1	7.0	6.2	5.9	6.8	3.8	3.2	-
(Normal)	3.6	5.4	5.9	7.2	6.1	6.2	5.8	5.5	5.3	3.0	2.4	-
Ambikapur	-	-	-	-	-	7.5	4.5	2.8	3.3	3.2	2.9	-

TABLE VII : LOCATIONS AND SOIL CHARACTERISTICS OF THE VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

Sl NO	CENTRE	LATITUDE	LONGITUDE	ALTITUDE (M)	SOIL TYPE	PH
1.	Srinagar	34.06 N	74.51'E	1652	Silty clay loam	-
2.	Almora	29.36 N	79.40'E	1250	Clay loam	5.8
3.	Auli	30.31 N	79.34' - 10 E	2680	Sandy loam	6.7-7.1
4.	Bajaura	32.2 N	77.0'E	1090	Sandy loam	6.5
5.	Salooni	-	-	1768	Silty loam	6.5
6.	Dhaula Kuan	30.5 N	77.5'E	456	Sandy loam	6.7
7.	Jorhat	26.46 N	94.16'E	91	Sandy loam	5.7
8.	Kalimpong	27 N	88'E	1070	Sandy loam	-
9.	Kalyani	23.5 N	89'E	9.75	Sandy loam	-
10.	Delhi	28.38 N	77.12'E	228.1	Loam to sandy loam	7.5-8.5
11.	Ludhiana	30.45 N	75.40'E	247		7.8
12.	Udaipur	24.55 N	73.41'E	572	Loam to sandy loam	8.2-8.4
13.	Banswara	23.5 N	73.58'E	218	Pleustertt	-
14.	Kanpur	26.28 N	80.40'E	125.9	Sandy loam	-
15.	Karnal	29.43 N	76.58'E	245	Clay loam	-
16.	Jaipur	26.51	75.47'E	122	Clay loam	-
17.	Pantnagar	29.0 N	79.3'E	243.8	Clay loam	7.4
18.	Dholi	25.59 N	85.75'E	51.8	Sandy loam	
19.	Hyderabad	17.2N	78.3'E	530	Black clay loam	8.3
20.	Chhindwara	21.28'N	78.10'-79-24'E	682	Medium clay	-
21.	Arbhavi	16.12 N	74.54'E	640	Medium black	-
22.	Godhra	22.45 N	77.40'E	119.4	Sandy loam	6.8-7.2
23.	Kolhapur	16.43 N	74.14'E	574	Light to medium black	7.5-8.0 GTC 5.5-6.5 Shenda Park
24.	Coimbatore	11.0 N	77.0'E	411.5	Black	8.5
25.	Nagenahalli	12.22 N	76.42'E	762	Sandy loam to gravel	5.4
26.	Mandya	12 N	76'E	695	Light red sandy loam	-
27.	Varanasi	25.20 N	83.0 E	128.93	Sandy loam loam	6.0
28.	Bahraich	27.34 N	81.36 E	130	Sandy loam	8.4
29.	Sabour	25.15 N	87.02'E	37.04	Sandy loam	-
30	Jalna	19.51N	75.53'E	550	Medium black	7.5-8.0
31	Dharwad				Medium black	7.5

TABLE NO. VIII

AREA UNDER MAIZE IN DIFFERENT STATES OF INDIA DURING
(2000-01 TO 2001-02)

	STATE	KHARIF 2000-01	RABI	SUMMER	TOTAL	KHARIF 2001-02	RABI	SUMMER	TOTAL
1	ANDHRA PRADESH	431.0	97.0	-	528.0	338.0	91.0	-	429.0
2	ARUNACHAL PRADESH	38.4	-	-	38.4	37.6	1.0	-	38.6
3	ASSAM	20.2	-	-	20.2	19.6	-	-	19.6
4	BIHAR	273.0	191.5	156.0	620.5	246.3	187.4	163.9	597.6
5	CHATTISGARH	93.4	-	-	93.4	95.2	-	-	95.2
6	GOA	0.2	-	-	0.2	0.2	-	-	0.2
7	GUJARAT	382.9	-	-	382.9	443.5	-	-	443.5
8	HARYANA	15.0	-	-	15.0	18.0	-	-	18.0
9	HIMANCHAL PRADESH	298.1	-	-	298.1	301.3	-	-	301.3
10	JAMMU & KASHMIR	330.2	-	-	330.2	326.5	-	-	326.5
11	JHARKHAND	89.3	0.6	-	89.9	89.3	0.6	-	89.9
12	KARNATAKA	599.9	57.8	11.2	668.9	506.0	65.0	9.0	580.0
13	MADHYA PRADESH	840.2	-	-	840.2	863.0	-	-	863.0
14	MAHARASHTRA	258.5	71.0	-	329.5	254.5	71.0	-	325.5
15	MANIPUR	4.7	-	-	4.7	5.1	-	-	5.1
16	MEGHALAYA	16.9	-	-	16.9	16.9	-	-	16.9
17	MIZORAM	6.4	0.2	-	6.6	5.5	1.9	-	7.4
18	NAGALAND	35.0	-	-	35.0	40.0	-	-	40.0
19	ORISSA	53.4	1.0	-	54.4	51.0	0.5	-	51.5
20	PUNJAB	165.0	-	-	165.0	165.0	-	-	165.0
21	RAJASTHAN	969.9	0.7	-	970.6	1016.4	1.0	-	1017.4
22	SIKKIM	39.9	-	-	39.9	39.6	-	-	39.6
23	TAMIL NADU	44.3	37.2	-	81.5	32.5	79.8	-	112.3
24	TRIPURA	1.6	-	-	1.6	2.1	-	-	2.1
25	UTTAR PRADESH	907.9	-	-	907.9	940.1	-	-	940.1
26	UTTARANCHAL	36.5	-	-	36.5	34.6	-	-	34.6
27	WEST BENGAL	35.3	-	-	35.3	33.3	-	-	33.3
28	DELHI	-	-	-	-	-	-	-	0.0
29	OTHERS	-	-	-	-	-	-	-	0.0
		5987.1	457.0	167.2	6611.3	5921.1	499.2	172.9	6593.2

TABLE NO. IX

PRODUCTION OF MAIZE IN DIFFERENT STATES OF INDIA DURING
(2000-01 TO 2001-02)

	STATE	KHARIF 2000-01	RABI	SUMMER	TOTAL	KHARIF 2001-02	RABI	SUMMER	TOTAL
1	ANDHRA PRADESH	1107.0	474.0	-	1581.0	987.0	472.0	-	1459.0
2	ARUNACHAL PRADESH	52.3	-	-	52.3	51.1	1.4	-	52.5
3	ASSAM	14.6	-	-	14.6	13.9	-	-	13.9
4	BIHAR	477.1	559.1	461.0	1497.2	401.0	622.3	541.2	1564.5
5	CHATTISGARH	125.7	-	-	125.7	70.9	-	-	70.9
6	GOA	0.8	-	-	0.8	0.8	-	-	0.8
7	GUJARAT	288.5	-	-	288.5	884.6	-	-	884.6
8	HARYANA	34.0	-	-	34.0	47.0	-	-	47.0
9	HIMANCHAL PRADESH	683.6	-	-	683.6	768.2	-	-	768.2
10	JAMMU & KASHMIR	525.8	-	-	525.8	538.1	-	-	538.1
11	JHARKHAND	112.1	1.8	-	113.9	112.1	1.8	-	113.9
12	KARNATAKA	1961.9	142.7	31.1	2135.7	1329.0	160.0	24.0	1513.0
13	MADHYA PRADESH	1217.8	-	-	1217.8	1706.1	-	-	1706.1
14	MAHARASHTRA	215.0	88.0	-	303.0	459.1	128.0	-	587.1
15	MANIPUR	10.9	-	-	10.9	10.1	-	-	10.1
16	MEGHALAYA	24.3	-	-	24.3	25.2	-	-	25.2
17	MIZORAM	16.1	0.3	-	16.4	13.7	2.9	-	16.6
18	NAGALAND	50.0	-	-	50.0	55.0	-	-	55.0
19	ORISSA	67.7	1.2	-	68.9	45.9	0.8	-	46.7
20	PUNJAB	461.0	-	-	461.0	449.0	-	-	449.0
21	RAJASTHAN	1015.3	0.5	-	1015.8	1477.5	2.0	-	1479.5
22	SIKKIM	59.6	-	-	59.6	54.4	-	-	54.4
23	TAMIL NADU	76.0	63.9	-	139.9	52.6	140.6	-	193.2
24	TRIPURA	1.6	-	-	1.6	2.1	-	-	2.1
25	UTTAR PRADESH	1473.0	-	-	1473.0	1513.1	-	-	1513.1
26	UTTARANCHAL	59.6	-	-	59.6	51.0	-	-	51.0
27	WEST BENGAL	88.3	-	-	88.3	86.4	-	-	86.4
28	DELHI	-	-	-	0.0	-	-	-	0.0
29	OTHERS	-	-	-	0.0	-	-	-	0.0
		10219.6	1331.5	492.1	12043.2	11204.9	1531.8	565.2	13301.9

TABLE NO. X

MEAN GRAIN YIELD OF MAIZE IN DIFFERENT STATES OF INDIA DURING (2000-01 TO 2001-02)

	STATE	KHARIF 2000-01	RABI	SUMMER	TOTAL	KHARIF 2001-02	RABI	SUMMER	TOTAL
1	ANDHRA PRADESH	2568	4887	-	2994	2920	5187	-	3401
2	ARUNACHAL PRADESH	1362	-	-	1362	1359	1400	-	1360
3	ASSAM	723	-	-	723	709	-	-	709
4	BIHAR	1748	2920	2955	2413	1628	3321	3302	2618
5	CHATTISGARH	1346	-	-	1346	745	-	-	745
6	GOA	4000	-	-	4000	4000	-	-	4000
7	GUJARAT	753	-	-	753	1995	-	-	1995
8	HARYANA	2267	-	-	2267	2611	-	-	2611
9	HIMANCHAL PRADESH	2293	-	-	2293	2550	-	-	2550
10	JAMMU & KASHMIR	1592	-	-	1592	1648	-	-	1648
11	JHARKHAND	1255	3000	-	1267	1255	3000	-	1267
12	KARNATAKA	3270	2469	2777	3193	2626	2462	2667	2609
13	MADHYA PRADESH	1449	-	-	1449	1977	-	-	1977
14	MAHARASHTRA	832	1239	-	920	1804	1803	-	1804
15	MANIPUR	2319	-	-	2319	1980	-	-	1980
16	MEGHALAYA	1438	-	-	1438	1491	-	-	1491
17	MIZORAM	2516	1500	-	2485	2491	1526	-	2243
18	NAGALAND	1429	-	-	1429	1375	-	-	1375
19	ORISSA	1268	1200	-	1267	900	1600	-	907
20	PUNJAB	2794	-	-	2794	2721	-	-	2721
21	RAJASTHAN	1047	714	-	1047	1454	2000	-	1454
22	SIKKIM	1494	-	-	1494	1374	-	-	1374
23	TAMIL NADU	1716	1718	-	1717	1618	1762	-	1720
24	TRIPURA	1000	-	-	1000	1000	-	-	1000
25	UTTAR PRADESH	1622	-	-	1622	1610	-	-	1610
26	UTTARANCHAL	1633	-	-	1633	1474	-	-	1474
27	WEST BENGAL	2501	-	-	2501	2595	-	-	2595
28	DELHI	-	-	-	-	-	-	-	-
29	OTHERS	-	-	-	-	-	-	-	-
		1707	2914	2943	1822	1892	3069	3269	2018

Station Breeding Program

BAJAURA

1. Under population improvement programme, two released composites of maize viz. Early composite and Parvati composite are being improved following half-sib selection programme. This year 300-350 progenies of esch composite were planted in isolation and after following inter as well as intra family selection, elite progenies werre selected for next cycle of selection.

2. In Hill Early Yellow Pool (HEY-Pool), three hundred half sib progenies were planted in isolation for recombination. The pool will be further improved by half sib selection method.

3. Two hundred seventy five inbred lines, which are in different stages of selfing (S3-S6) were planted and evaluated for desirable traits and were advanced to next generation.

4. Seed of fourteen composites, which are in various stages of testing in coordinated trials was multiplied through controlled pollination.

5. Seed of eight experimental hybrids was also increased through controlled pollination.

6. Thirty QPM inbreds were maintained and 150 new QPM inbreds were advanced to S5 generation. Seed of 12 QPM hybrids was increased by controlled pollination. In a bid to convert normal inbreds to QPM inbreds, BC2 has been developed by crossing BC1(F2) to the recurrent parent.

JORHAT

A variety diaallel cross is on. Eight composites have been used for crossing. The aim is to develop/derive from various crosses a high yielding early maturing composite.

Rabi 2002-03

Crossing of 8 composites in a in a variety cross diallel

Kharif 2003

The hybrids and parents will be grown together in RBD with 3 replications during March 2003.

Monitoring team report for 2002 kharif

Five monitoring team consisting of Breeder, Agronomist, Pathologist were constituted go visit various research stations located in different zones.

Team 1:	Delhi, Karnal, Ludhiana
Team 2:	Varanasi, Kanpur, Pantnagar, Almora
Team 3:	Gorakhpur, Dholi, Jassipur
Team 4:	Udaipur, Banswara, Godhra, Chhindwara
Team 5:	Coimbatore, Nagenahally, Mysore, Bangalaore

1. Coimbatore

The team visited the maize trials (Breeding (22), Pathology (15) and 9 station trials at TNAU, Coimbatore. The breeding trials were planted on July 19, 2002 while the plant pathology trials were planted on September 3, 2002. Crop growth and crop management was found to be good and the data are being recorded as per plan.

The sorghum downy mildew incidence was very high and all the test entries were highly susceptible except DMR 463 and DMR 465 which were tolerant to SDM.

The team was very satisfied with the efforts of the pathologist, who could develop a very high incidence of sorghum downy mildew. The incidence of SDM in certain entries was a high as 100 per cent. It was interesting to note that two entries DMR 463 and DMR 465 showed complete freedom from SDM. The perusal of data revealed that these two entries were resistant at Mandya also. It is suggested that the untreated seed of these two entries should be obtained for testing at these two locations to reconfirm their resistance level.

2. Mandya

The monitoring team visited all the trials (58 coordinated and 11 station) at Mandya 13 trials were sown on 25.7.02 while the rest were sown during 18.8.02 to 19.8.02. The crop growth, maintenance, plant population etc. were found to be satisfactory. The disease incidence of sorghum downy mildew (SDM) was very high. Most of the test entries in the trial 64 were susceptible except DMR 463 (plot No. 7819) and DMR 465 (plot No. 7805) with 9% and 18% SDM incidence respectively. The source of these entries needs to be verified. The entries sent by Dr. Sujay Rakshit, DMR for screening against SDM, were highly susceptible (70-90% incidence of SDM).

The fungicide Dividend in different doses as seed treatment was effective in protecting the crop against SDM.

Mild and sporadic occurrence of pink stem borer, aphids and delphacids were observed.

The monitoring team also visited the Frontline Demonstration at Hunsur Perriyapatna on October 3, 2002. The crop stand and management of NC-6004 were good at Hunsur. The FLDs at Tibetan village (Periyapatna) have been already harvested at the time of visit.

3. Nagenahalli

Forty-six coordinated ant 5 station trials were visited by the monitoring team. The overall crop management and crop growth was very good in spite of acute water scarcity in the region. The experiments could be sown on July 29 and August 24, 2002 and were 35-40 days old. The data shall be recorded as per plan.

The TLB inoculations were done and disease symptoms were just visible in the inoculated plots. There was no natural incidence of SDM, MLB and Rust in the farm at the time of visit of monitoring team.

The entries sent for screening against TLB by Dr. Sujay Rakshit, DMR were 35-45 days old and artificial inoculation was done . Initial symptoms of TLB were visible.

No serious insect damage was observed in the various trials. Very mild and sporadic incident of pink stem borer and aphids were observed on few plants.

4. Belipar

All the trials were planted. The crop was in good conditions. Trial No. 62A, 62B, QPM 3, QPM 4 and NSP did not have good germination. Results of these trials will not be reported and would be as considered failure of experiment.

5. Dholi

Except few, most of the trials were average. Some of the trials were not good and were rejected. In the trials 62A, 62B,. QPM 1,2, and 3, some of the entries had very poor plant stand in some of the replication. It was suggested to maintain the same while entering the data.

6. Ranchi

It is a voluntary centre. All the trials were very good and well managed. In some of entries, in some replication plant stand was poor so it was suggested that they should record the same while reporting the data.

7. Jashipur

Field conditions were good. Some of the trials failed and were rejected 62, 62 B and 63A &B. On the whole crop growth was average. Harvesting was continuing while monitoring was

done. Some of the entries in trials have poor plant stand in some replications. It was suggested to record the same. No plant breeder was posted on the station only pathologists and Agronomist were conducting the trial. Plant stand at harvest were not recorded.

8. Uchani

The monitoring team jointly visited the experiments of breeding, pathology and agronomy planed at RRS, HAU, Uchani.

All the breeding trials were planted in 3 meter row length. The plant stand were perfect. There were severe lodging in some of the trials because of high speed wind. The trials were very well managed and the cob development were perfect. Significant differences were observed in early maturing and full season materials. Most of the parental lines of the hybrid trials planted in the field were very uniform and vigorous.

In pathology trials the disease symptoms were very distinct in the inoculated materials. However, the incidence was low because of bad weather.

All the entomology trials were planted, borer incidence were observed under artificial inoculation. In Agronomy N x G and station trials were planted as per programme.

9. Banswara

Agronomy: All the experiments were grown during first span of sowing i.e. last week of June. However, due to prolong drought span of more than 35 days, two expts of agronomy were not maintainable. Rest of the experiments are well maintained except for little bit lodging due to termite and stormy rains at post flowering stages.

Breeding: All 22 trials were conducted except IET 61 A for which the seed was received late because of prolong drought ZT 511 is not maintainable. Trials grown during first span of sowing (No. 2) are showing little bit lodging due to stormy rains and termite problem even at maturity. Nome of trials are ZT 512 And Tr. No. AET 70. Overall performances of crop at agronomy and plant breeding experiment was very good.

FLD: A total at 100 (one hundred) FLD's have been conducted at Banswara and Dungarpur districts using PEHM-2, KH 510, Navjot, Mahi Dhawal, Madhuri and PEHM-1. The team visited villages as Tikharia, Gariya, Marira, Tamtia and Borwat. Team interacted with the farmers and farmers are accepting new technologies. The crop at FLD sites were excellent.

The overall research and field activities of the centre is excellent The total research programme is conducted strictly under rainfed condition.

10. Chhindwara

Agronomy: All trials received were planted timely. In medium maturity germplasm, DMR 1144 and DMR 1145 were found promising. Some treatments of IVM trial shows good response. Similarly side planting was found best treatment in different methods of planting maize. In addition to coordinated trials, 3 station trials were taken up based on area specific problems. The plant population of all six trials was more than 85% . The newly formed trial "Effect of seed priming on growth and yield of maize" was not planted.

Plant breeding: All zonal and coordinated trials received from DMR were planted timely except two trials viz. QPM-3 and QPM due to late receipt of seed. In most of the trials which were planted on 29.6.02 (AET 64, AET 65, AET 66, AET 67, AET 68, AET 69, AET 70, 25 5001, ZT 502, ZT 503, ZT 511, ZT 512) have low to very low plant population. However in all aforesaid trials some of entries have good plant stand, hence it is suggested that these entries may be considered for evaluation. The germination of tap nursery trial was poor. Similarly in NSP trial entry No. DMR 591 have poor germination in all replication hence trap nursery trial and NSP entr6y DMR 591 recommended for rejection. In addition to coordinated and zonal trials, six station trials were taken up. About 50 germplasm were maintained by hand pollination. One tube well was established by fund provided from DMR. Hence from 2001 and onward rabi progamme was also started. Overall activities carried out by this Station for development of maize was found satisfactory. Entire programme was conducted under rainfed condition.

FLD: Out of the 150 FLD received, 100 FLD has been planted during kharif 2002 using JM 216, PAC 9714, JM 82, Hishell. Rest 50 FLD will be planted during rabi season. Monitoring team visited Block Chhindwara having 5 villages. The FLD has been conducted successfully and farmer's were fully satisfied. Team also participated the Kisan Divas and interacted with farmers' Monitoring team feels that vehicle should be proved to the centre for effective monitoring of large number of FLDS and other activities restarted to maize.

11. Godhra

Breeding: All allotted breeding trials were planted timely and to be found excellent in respect of germination and plant stand. Because of prolonged dry spells of 15-20 days and heavy rains with high wind velocity, during crop growth period, the damage to the crop was observed to some extent leading to effect on grain yield. All field observations were recorded. In nut shell, all the trials are maintained and conducted were excellent. Nucleus seed production of GM-1, GM-2, GM-3, GM-4, GM-6, Narmada moti, CM -135 and CM 136 were taken up for breeder seed production.
Agronomy: During kharif 2002 all coordinated trials were planted timely. In addition to coordinated trials 6 station trials with objectives to local specific needs were being conducted. All

trials were in good shape. The trial "effect of seed priming on growth and yield" was not conducted because of not receiving the programme from DMR. So far Agronomist was not invited in the workshop hence, it is suggested that one of new agronomist who joined recently may be included in mailing list and he may be invited in workshop.

Plant Pathology: Under plant pathology total 6trials were conducted. Out of 6trials, 5 state trials and one coordinated trial was conducted during kharif 2002. During the season mild incidence of MLB and PFSR were recorded, while attack of grass hopper was recorded in the IInd week of September.

FLDs: A total number of 200 FLD have been allotted to this centre for kharif and rabi 2002-03. Out of these 160 demonstrations have been conducted during kharif 2002 using varieties GM-4, GM-5, Narmadma Moti, GM-2 and PEHM-1. Monitoring team visited village Navanagar, district Panchamahals. Crop condition of FLD were found satisfactory. Entire crop at research station and FLD has been raised under rainfed condition affected with diseases CLS.

12. Udaipur

Entomology: All the trials allotted to this centre were laid out. Release of chilo eggs were done in time showing excellent results, except trial no. 65 where some of the plants escaped because of rains. Overall rating was ranging from 7-9 in most of the lines. In trial number 7- AET of medium maturity group DMR 221-25 were found to show moderate resistance with mean rating of 4-6. In NSP trials all the entries showed moderate resistance. Expt. Laid out for IPM modules was also in good condition. On the whole crop condition was good in spite of drought in Rajasthan.

Nematology: Ten coordinated and four station trials have been planted. Coordinated trials comprising of AET(8), population dynamics(1) and survey and surveillance(1) are being tested in Heterodera zeae having 8.96 eggs and larvae/gm soil. The initial observation on plant growth characters shows significant difference and may gave some promising materials. Crop condition was good. All data has been recorded. To replace chemicals neem formulation are being tested.

Pathology: 20 coordinated trials in downy midew, PFSR & BLSB and 9 station trials were planted at different dates depending on diseases. All 19 trials (except trap nursery trial) were artificially inoculated with downy mildew, PFSR (Fusarium moniliforme) and BLSB (Rhizoetonia solani) at appropriate stages. In trap nursery the germination was poor in twelve entries. In downy mildew trials as high as 88% incidence was recorded upto 19th Sept. Observation on PFSR & BLSB will be recorded at harvesting and at 70-80 days stage, respectively.

Agronomy: All coordinated agronomic trials allotted to this centre were planted timely, except testing of inbred lines at various fertility levels and plant density. The seed material of this trial was not received from DMR, New Delhi. In addition to coordinated trials 5 station trials were also planted. The germplasm trials shows good response of N. In seed priming trial, some of chemical shows good response. In all, the experiments were in very good shape, in spite of drought condition.

Breeding: All trials were planted as per norms and had desired plant population. Very good management even under drought condition occurred. Some of entries suffered due to PFSR. Overall condition of experiments are very good. Data are being recorded as per plan.

FLD: In all 157 FLD (Udaipur 57, Chittorgarh-50, Rajasthan-50) have been conducted. Monitoring team visited village Daroli where 3 FLD with Navjot, 4 FLD with PHEM-2 have been planted. All the FLD visited were in good condition in spite of drought. Team interviewed farmers. Response of farmers was enthusiastic towards high yielding varieties in comparison to local varieties.

13. IARI, Delhi

Monitoring jointly visited the experiments of Breeding, Entomology and pathology on 16.9.2002.

In breeding experiments all the coordinated trials received from DMR were planted. All the trials were planted in 5 meter row three replications except trial 68 and 72 where all the six replications were planted. The trials were very well managed with perfect plant stand except trial no. 66 and 71 where plant stand was very poor. The team decided that these two trials (Trial 66 and 71) should not be reported.

The team visited various pathology experiments. The materials were artificially inoculated by maydis leaf blight, and banded leaf and sheath blight. Disease symptom of maydis leaf blight and BLSB were observed in most of the plants. Some of the resistant materials were observed in CIMMYT trials. In NSP trial entry 8503 & 8509 were highly susceptible.

The team also visited the entomology experiment. The incidence of borer was not observed in most of the materials.

14. Kanpur

All the trials were very poor with poor vigorous and stand. The team rejectd all the experiments. No data is to be reported.

15. Almora

Monitoring team jointly visited breeding, agronomy and pathology experiments. In general agronomic condition of all the fields were vary good . In pathology screaning being done under natural condition.

16. Pantnagar

Team visited breeding and pathology experiments. Crop was good in both fields. All expeiments were good. In pathology field disease expression were also good.

17. Varanasi

In Varanasi farm all experiments of breeding were in good condition. In two breeding experiments one replication were delited due to its poor expression. in NSP trial one entry was poor in its performance.In agronomy trial was satisfactory.

18. Monsanto, Bangalore

At Monsanto, Bangalore, Trials 69 (AET; 2nd year) 62-A (IET, Medium Maturity, 62-B (IET), 63-B (IET, Early) and 63-A (IET Early) were conducted. The management of the crop, plant stand etc. were in a perfect condition. The crop was in grain filling stage and a very high incidence of Turcicum leaf blight was observed. Some of the entries such as DMR-478, DMR-481 and DMR 518 were observed to be highly susceptible. The rating of these entries on 1-5 scale was as high as 4.0-4.5. Some of the entries viz. DMR 505, DMR 517, DMR 524 and DMR 482 exhibited a high level of resistance to TLB. Incidence of Common rust and Polysora rust was also encountered but it was not alarming.

The team also visited other trials comprising their own hybrids in pipeline/ Some of the hybrids appeared to be quite promising but the true picture will emerge after the final yield data are recorded.

19. PIONEER, Bangalore

There were 6 AICMIP trials. The trials were planted on July 10, 2002. The trials were planted as per plan and maintenance and crop management was very good.

A high incidence of TLB (natural infection) was observed at the location, which was significant enough to classify entries to R/S categories. Since it was not possible for the team to record data on each and every entry, the concerned scientist was requested to do the same. Some of the entries listed below were observed to be resistant or susceptible.

In trial No. 61 A, Plot No. 8606 (DMR 608) was resistant to TLB while 8609 (DMR 619) was susceptible. In trial No. 61 B, Plot no. 8818 (DMR-648) was resistant to TLB. In trial 62 A,

Plot No. 8310 (DMR 535), 8303 (DMR 532) were highly susceptible to TLB.

There were mild incidence of Erwinia stalk rot and aphid infestation in the trial

20. PRO AGRO

There were 6 All India Coordinated trials and 2 CIMMYT trials. The trials AET 71 was planted on 15.6.02 while IET 64, IET 61 a, 61 b were planted on July 3 and 18, 2002.

The trials were well laid out and crop management was very good. IET 64 (Extra early), entries like 7806 and 7819 were found to be of medium to full maturity group.

IET 63 B, there was incidence of TLB and entries 8169 and 8107 were found to be highly susceptible to TLB.

8638 was susceptible to Erwinia stalk rot. In CIMMYT trial, there was moderate incidence of PFSR (Fusarium + Macrophomina). Mild incidence of Puccinia polysora and Puccinia sorghi was also observed at the location.

The data are yet to be recorded in 5 trials. In trial 63A the lines 7910 and 7911 were highly susceptible to aphids.

TRIAL NO. TRIAL *NSP*

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION

BREEDING BAJAURA, ALMORA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, KANPUR DHOLI, BELLIPAR, VARANASI, JASHIPUR, HYDERABAD, KARIMNAGAR, ARBHAVI, KOLHAPUR, COIMBATORE ,UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	MAIC 223 R	DMR - 591	AGRINOVA RES. SER.	8503	8515	8520	8534
2	MAIC 301 M	DMR - 592	AGRINOVA RES. SER.	8509	8512	8523	8531
3	MAIC 425 L	DMR - 593	AGRINOVA RES. SER.	8508	8518	8521	8529
4	GANGA - 11	DMR - 594	NSC	8502	8510	8527	8530
5	PRI - 311	DMR - 595	PROAGRO	8507	8511	8525	8536
6	DECCAN - 107	DMR - 596	KARIMNAGAR	8506	8514	8522	8528
7	NAVJOT	DMR - 597	LUDHIANA	8505	8516	8519	8533
8	X - 3342	DMR - 598	POC	8504	8517	8524	8535
9	MEGHA	DMR - 599	LUDHIANA	8501	8513	8526	8532

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, MANDYA COIMBATORE,DHAULAKUAN, PANTNAGAR, ALMORA

ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD, KILHAPUR, UDAIPUR

TRIAL NO. 61A ZONE IET FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, BAJAURA, JORHAT, BARAPANI, DELHI, LUDHIANA PANTNAGAR, KANPUR , KARNAL, DHOLI, RANCHI, AGWANPUR, BELIPUR VARANASI, JASHIPUR, AMBIKAPUR, HYDERABAD, KARIMNAGAR, ARBHAVI MANDYA, KOLHAPUR, COIMBATORE ,UDAIPUR, BANSWARA, GODHRA CHHINDWARA, POC, MONSANTO, NAGARJUNA/VIPL, KANCHANGA, SEEDTEC PROAGRO, ADVANTA, PARAS(H.LIV), SYNGENTA, BIOSEED, STAR AGRO-TECH JK AGRI, ADARSH AGRINOVA, GANGA KAVERI, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	J H - 10521	DMR - 601	LUDHIANA	8618	8642	8687	8704
2	UMH - 39	DMR - 602	COIMBATORE	8628	8635	8665	8705
3	BH - 2355	DMR - 603	HYDERABAD	8603	8655	8669	8696
4	BH - 2358	DMR - 604	HYDERABAD	8611	8650	8681	8714
5	BH - 2523	DMR - 605	HYDERABAD	8620	8652	8664	8715
6	BH - 2528	DMR - 606	HYDERABAD	8601	8646	8667	8711
7	HKH - 1193	DMR - 607	KARNAL	8616	8638	8678	8710
8	101501 x 101505	DMR - 608	DHOLI	8606	8634	8685	8693
9	101502 x 101505	DMR - 609	DHOLI	8607	8653	8660	8700
10	101503 x 101522	DMR - 610	DHOLI	8625	8651	8661	8689
11	X 1231 H	DMR - 611	POC	8623	8632	8676	8706
12	MCH - 1	DMR - 612	MONSANTO	8604	8643	8684	8709
13	MCH - 3	DMR - 613	MONSANTO	8612	8645	8674	8690
14	VIPL 1804	DMR - 614	NAGARJUNA/VIPL	8622	8644	8677	8707
15	X - 2125	DMR - 615	KANCHAN GANGA	8624	8647	8662	8699
16	SEEDTEC -C 12	DMR - 616	SEEDTEC	8608	8656	8659	8703
17	BISCO - 167	DMR - 617	BISCO	8614	8631	8670	8688
18	PAC 71061	DMR - 618	ADVANTA	8617	8640	8675	8701
19	ROBUST	DMR - 619	PARAS(H.LIV)	8609	8637	8682	8712
20	NECH - 118	DMR - 620	SYNGENTA	8627	8641	8668	8708
21	FILLER	DMR - 621	-	8602	8633	8671	8713
22	JKMH - 951	DMR - 622	JK AGRI	8605	8636	8666	8716
23	A A M H - 441	DMR - 623	ADARSH AGRINOVA	8621	8658	8672	8697
24	G K - 3046	DMR - 624	GANGA KAVERI	8619	8639	8680	8692
25	PRUDWI - 116	DMR - 625	APOLLO SEEDS	8613	8649	8683	8698
	CHECKS:						
26	GANGA - 11	DMR - 626	NSC	8629	8648	8679	8702
27	PRO - 311	DMR - 627	PROAGRO	8610	8654	8663	8694
28	DECCAN - 103	DMR - 628	NSC	8626	8657	8673	8695
29	BIO - 9681	DMR - 629	BIO SEED'S	8615	8630	8686	8691

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE, DHAULAKUAN, PANTNAGAR, ALMORA
SOIL SCIENCE PANTNAGAR

TRIAL NO. 61B IET FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, BAJAURA, JORHAT, BARAPANI, DELHI, LUDHIANA PANTNAGAR, KANPUR, KARNAL, DHOLI, RANCHI, AGWANPUR, BELIPUR VARANASI, JASHIPUR, AMBIKAPUR, HYDERABAD, KARIMNAGAR, ARBHAVI MANDYA, KOLHAPUR, COIMBATORE, UDAIPUR, BANSWARA, GODHRA CHHINDWARA, POC, MONSANTO, NAGARJUNA/VIPL, KANCHANGA, SEEDTEC PROAGRO, ADVANTA, PARAS(H.LIV), SYNGENTA, BIOSEED, STAR AGRO-TECH JK AGRI, ADARSH AGRINOVA, GANGA KAVERI, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	J H - 10535	DMR - 631	LUDHIANA	8816	8848	8875	8901
2	BH - 2348	DMR - 632	HYDERABAD	8806	8855	8886	8909
3	BH - 2356	DMR - 633	HYDERABAD	8821	8852	8863	8916
4	BH - 2854	DMR - 634	HYDERABAD	8814	8844	8879	8905
5	BH - 2202	DMR - 635	HYDERABAD	8803	8842	8869	8915
6	A H - 01410	DMR - 636	DELHI	8825	8839	8877	8902
7	A H - 01415	DMR - 637	DELHI	8827	8838	8880	8914
8	HKH - 1215	DMR - 638	KARNAL	8817	8830	8862	8911
9	101509 x 101515	DMR - 639	DHOLI	8828	8847	8865	8906
10	101510 x 101515	DMR - 640	DHOLI	8805	8850	8867	8890
11	101511 x 101515	DMR - 641	DHOLI	8812	8851	8872	8910
12	X 1280 B	DMR - 642	POC	8820	8837	8860	8896
13	MCH - 2	DMR - 643	MONSANTO	8809	8834	8882	8913
14	MCH - 4	DMR - 644	MONSANTO	8822	8858	8881	8892
15	X - 2001	DMR - 645	KANCHAN GANGA	8801	8840	8876	8895
16	SEEDTEC -C 11	DMR - 646	SEEDTEC	8810	8832	8859	8912
17	BISCO - 902	DMR - 647	BISCO	8815	8836	8861	8891
18	P R O - 359	DMR - 648	PROAGRO	8818	8849	8873	8900
19	PAC 71062	DMR - 649	ADVANTA	8811	8856	8883	8899
20	NECH - 117	DMR - 650	SYNGENTA	8807	8846	8868	8894
21	BIO - 20212	DMR - 651	BIOSEED	8808	8843	8885	8889
22	FILLER	DMR - 652	-	8826	8854	8871	8897
23	POOJA	DMR - 653	JK AGRI	8802	8835	8870	8907
24	A A M H - 459	DMR - 654	ADARSH AGRINOVA	8813	8831	8887	8888
25	G K - 3047	DMR - 655	GANGA KAVERI	8824	8853	8866	8903
	CHECKS:						
26	GANGA - 11	DMR - 656	NSC	8829	8845	8864	8898
27	PRO - 311	DMR - 657	PROAGRO	8823	8833	8884	8904
28	DECCAN - 103	DMR - 658	NSC	8804	8857	8874	8908
29	BIO - 9681	DMR - 659	BIO SEED'S	8819	8841	8878	8893

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE, DHAULAKUAN, PANTNAGAR, ALMORA
SOIL SCIENCE PANTNAGAR

TRIAL NO. 62A IET MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI, DELHI LUDHIANA, PANTNAGAR, KANPUR, KARNAL, DHOLI, RANCHI, AGWANPUR BELIPUR, VARANASI, JASHIPUR, AMBIKAPUR, HYDERABAD, KARIMNAGAR ARBHAVI, MANDYA, KOLHAPUR, COIMBATORE, UDAIPUR, BANSWARA GODHRA, CHHINDWARA, POC, MANSANTO, KANCHAN GANGA, SEEDTEC PARAS(H. LIV.), SYNGENTA, BIO SEED'S, STAR AGRO-TECH, JK AGRI MAHARASTRA STATE SEED CORPORATION, NATH SEED, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	W C - 14 - 1 (DBM)	DMR - 531	BANSWARA	8306	8342	8375	8386
2	EH - 30969	DMR - 532	UDAIPUR	8303	8331	8357	8399
3	EC - 3121	DMR - 533	UDAIPUR	8302	8345	8369	8380
4	BH - 2359	DMR - 534	HYDERABAD	8315	8326	8363	8385
5	HKH - 1169	DMR - 535	KARNAL	8310	8339	8353	8381
6	HKH - 1199	DMR - 536	KARNAL	8314	8334	8354	8398
7	HKH - 1208	DMR - 537	KARNAL	8304	8350	8361	8388
8	A H - 017047	DMR - 538	DELHI	8317	8348	8373	8378
9	L - 166	DMR - 539	BAJAURA	8305	8335	8355	8376
10	X 1231 K	DMR - 540	POC	8309	8338	8358	8377
11	MCH - 7	DMR - 541	MONSANTO	8323	8332	8374	8383
12	X - 26	DMR - 542	KANCHAN GANGA	8324	8330	8360	8393
13	SEEDTEC - 1081	DMR - 543	SEEDTEC	8321	8347	8366	8396
14	BISCO - 1102	DMR - 544	BISCO	8319	8340	8372	8387
15	PMZ - 237	DMR - 545	PARAS(H.LIV)	8312	8328	8367	8394
16	NECH - 120	DMR - 546	SYNGENTA	8301	8346	8359	8390
17	FILLERI	DMR - 547	-	8316	8329	8371	8395
18	JKMH - 1001	DMR - 548	JK AGRI	8318	8341	8364	8379
19	MAHABEEJ - 1100	DMR - 549	M S S C	8322	8344	8362	8389
20	A A M H - 513	DMR - 550	ADARSH AGRINOVA	8325	8343	8356	8382
21	STAR - 2001	DMR - 551	SKF SEED'S	8311	8333	8352	8397
22	SURYA - 116	DMR - 552	APOLLO SEEDS	8320	8349	8370	8391
	CHECKS:						
23	KH 510	DMR - 553	KANCHAN GANGA	8308	8336	8368	8400
24	NAVJOT	DMR - 554	LUDHIANA	8313	8327	8365	8384
25	DECCAN - 107	DMR - 555	KARIMNAGAR	8307	8337	8351	8392

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE,DHAULAKUAN, PANTNAGAR, ALMORA

SOIL SCIENCE PANTNAGAR

TRIAL NO. 62B IET MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI, DELHI LUDHIANA, PANTNAGAR, KANPUR, KARNAL, DHOLI, RANCHI, AGWANPUR BELIPAR, VARANASI, JASHIPUR, AMBIKAPUR, HYDERABAD, KARIMNAGAR ARBHAVI, MANDYA, KOLHAPUR, COIMBATORE , UDAIPUR, BANSWARA GODHRA, CHHINDWARA, POC, MANSANTO, KANCHAN GANGA, SEEDTEC PARAS(H. LIV.), SYNGENTA, BIO SEED'S, STAR AGRO-TECH, JK AGRI MAHARASTRA STATE SEED CORPORATION, NATH SEED, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	W C - 14 - 2 (DBM)	DMR - 556	BANSWARA	8423	8446	8461	8488
2	EH - 31079	DMR - 557	UDAIPUR	8403	8431	8459	8477
3	EC - 3122	DMR - 558	UDAIPUR	8417	8442	8471	8486
4	BH - 2809	DMR - 559	HYDERABAD	8404	8444	8462	8479
5	HKH - 1187	DMR - 560	KARNAL	8414	8435	8468	8483
6	HKH - 1203	DMR - 561	KARNAL	8416	8448	8475	8497
7	A H - 017045	DMR - 562	DELHI	8421	8428	8470	8491
8	A H - 017051	DMR - 563	DELHI	8424	8450	8457	8498
9	Jg - GM - 3	DMR - 564	RANCHI	8408	8426	8452	8489
10	SNEHA - 4002	DMR - 565	GREEN FOUNDA.	8410	8439	8463	8478
11	X 1280 A	DMR - 566	POC	8413	8427	8474	8490
12	MCH - 8	DMR - 567	MONSANTO	8411	8430	8451	8499
13	X - 2151	DMR - 568	KANCHAN GANGA	8412	8440	8454	8484
14	SEEDTEC - 168	DMR - 569	SEEDTEC	8401	8432	8458	8487
15	BISCO - 201	DMR - 570	BISCO	8422	8449	8466	8492
16	NECH - 119	DMR - 571	SYNGENTA	8402	8443	8465	8481
17	BIO - 22027	DMR - 572	BIOSEED	8409	8447	8453	8485
18	FILLER	DMR - 573	-	8415	8437	8467	8495
19	JKMH - 340	DMR - 574	JK AGRI	8405	8441	8456	8476
20	A A M H - 511	DMR - 575	ADARSH AGRINOVA	8425	8434	8469	8493
21	N M H - 20507	DMR - 576	NATH SEED	8407	8436	8460	8494
22	STAR - 2011	DMR - 577	SKF SEED'S	8406	8445	8473	8482
	CHECKS:						
23	KH 510	DMR - 578	KANCHAN GANGA	8420	8429	8464	8496
24	NAVJOT	DMR - 579	LUDHIANA	8418	8433	8472	8480
25	DECCAN - 107	DMR - 580	KARIMNAGAR	8419	8438	8455	8500

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE,DHAULAKUAN, PANTNAGAR, ALMORA

SOIL SCIENCE PANTNAGAR

TRIAL NO. 63A ZONE IET EARLY MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI DELHI, LUDHIANA, PANTNAGAR, KANPUR, KARNAL, DHOLI, RANCHI AGWANPUR, BELIPUR, VARANASI, JASHIPUR, AMBIKAPUR HYDERABAD KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE ,UDAIPUR, BANSWARA, GODHRA, CHHINDWARA, MONSANTO, POC, KANCHAN GANGA, SEEDTEC, PROAGRO, ADVANTA, PARAS(H.LIV.), STAR AGRO-TRCH, JK AGRI, ADARSH AGRINOVA, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	KM H - 3	DMR - 471	KARIMNAGAR	7924	7930	7966	8013
2	KM H - 9	DMR - 472	KARIMNAGAR	7917	7939	7972	8010
3	F H - 3228	DMR - 473	ALMORA	7922	7931	7961	7998
4	J H - 3957	DMR - 474	LUDHIANA	7923	7934	7964	8006
5	J H - 3999	DMR - 475	LUDHIANA	7916	7947	7959	7996
6	J H - 31026	DMR - 476	LUDHIANA	7913	7932	7974	8001
7	E H - 31008	DMR - 477	UDAIPUR	7910	7953	7970	8014
8	E H - 30964	DMR - 478	UDAIPUR	7902	7954	7987	7994
9	HKH - 1176	DMR - 479	KARNAL	7908	7958	7963	8008
10	HKH - 1182	DMR - 480	KARNAL	7920	7952	7980	7991
11	HKH - 1219	DMR - 481	KARNAL	7928	7933	7976	8000
12	D E H - 10102	DMR - 482	PANTNAGAR	7926	7937	7984	8003
13	Jh GM - 4	DMR - 483	RANCHI	7925	7957	7969	8016
14	A H - 01411	DMR - 484	DELHI	7919	7940	7986	7997
15	A H - 017 077	DMR - 485	DELHI	7927	7942	7967	7988
16	X - 3342 (C)	DMR - 486	POC	7907	7936	7973	7999
17	MEGHA (C)	DMR - 487	LUDHIANA	7911	7951	7968	8005
18	PEHM - 2 (C)	DMR - 488	NSC	7904	7948	7975	8009
19	MAHI KANCHAN (C)	DMR - 489	UDAIPUR	7915	7941	7965	7993
20	MCH - 6	DMR - 490	MONSANTO	7918	7944	7982	8004
21	X 1150 Z	DMR - 491	POC	7901	7946	7962	8007
22	X - 2185	DMR - 492	KANCHAN GANGA	7921	7943	7985	7992
23	SEEDTEC - 114	DMR - 493	SEEDTEC	7905	7950	7960	8002
24	BISCO - 204	DMR - 494	BISCO	7912	7956	7981	8012
25	P R O - 358	DMR - 495	PROAGRO	7906	7949	7971	8015
26	PAC 71007	DMR - 496	ADVANTA	7909	7945	7983	7990
27	FILLER	DMR - 497	-	7914	7935	7977	7995
28	JKMH - 810	DMR - 498	JK AGRI	7929	7955	7978	7989
29	PONNI - 116	DMR - 499	APOLLO SEED'S	7903	7938	7979	8011

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE,DHAULAKUAN, PANTNAGAR, ALMORA
SOIL SCIENCE PANTNAGAR

TRIAL NO. 63B ZONE IET EARLY MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI DELHI, LUDHIANA, PANTNAGAR, KANPUR, KARNAL, DHOLI, RANCHI AGWANPUR, BELIPUR, VARANASI, JASHIPUR, AMBIKAPUR HYDERABAD KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE ,UDAIPUR, BANSWARA, GODHRA, CHHINDWARA, MONSANTO, POC, KANCHAN GANGA, SEEDTEC, PROAGRO, ADVANTA, PARAS(H.LIV.), STAR AGRO-TRCH, JK AGRI, ADARSH AGRINOVA, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	KM H - 2	DMR - 501	KARIMNAGAR	8111	8143	8168	8210
2	KM H - 5	DMR - 502	KARIMNAGAR	8106	8137	8184	8197
3	F H - 3227	DMR - 503	ALMORA	8126	8140	8167	8199
4	J H - 3851	DMR - 504	LUDHIANA	8118	8156	8165	8209
5	J H - 3964	DMR - 505	LUDHIANA	8127	8139	8175	8211
6	J H - 31006	DMR - 506	LUDHIANA	8107	8153	8180	8214
7	J H - 31027	DMR - 507	LUDHIANA	8116	8130	8166	8207
8	E H - 31011	DMR - 508	UDAIPUR	8101	8144	8183	8190
9	BH - 2862	DMR - 509	HYDERABAD	8124	8154	8177	8205
10	HKH - 1177	DMR - 510	KARNAL	8108	8138	8186	8216
11	HKH - 1188	DMR - 511	KARNAL	8109	8146	8170	8203
12	R - 9903	DMR - 512	KANPUR	8114	8158	8178	8198
13	D E H - 10702	DMR - 513	PANTNAGAR	8119	8150	8161	8192
14	A H - 017 061	DMR - 514	DELHI	8112	8136	8179	8189
15	A H - 01409	DMR - 515	DELHI	8123	8148	8169	8201
16	MCH - 5	DMR - 516	MONSANTO	8121	8134	8185	8215
17	X 1150 Y	DMR - 517	POC	8103	8157	8163	8193
18	X - 2182	DMR - 518	KANCHAN GANGA	8129	8132	8159	8196
19	SEEDTEC - 122	DMR - 519	SEEDTEC	8120	8142	8174	8191
20	BISCO - 2434	DMR - 520	BISCO	8128	8135	8187	8206
21	P R O - 357	DMR - 521	PROAGRO	8104	8145	8173	8195
22	PAC 71006	DMR - 522	ADVANTA	8117	8131	8164	8200
23	PMZ - 135	DMR - 523	PARAS(H.LIV.)	8105	8151	8162	8213
24	FILLER	DMR - 524	-	8113	8155	8182	8208
25	A A M H - 363	DMR - 525	ADARSH AGRINOVA	8122	8147	8172	8212
	CHECKS:						
26	X - 3342	DMR - 526	POC	8110	8141	8181	8202
27	MEGHA	DMR - 527	LUDHIANA	8125	8149	8176	8188
28	PEHM - 2	DMR - 528	NSC	8102	8152	8160	8204
29	MAHI KANCHAN	DMR - 529	UDAIPUR	8115	8133	8171	8194

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE,DHAULAKUAN, PANTNAGAR, ALMORA
SOIL SCIENCE PANTNAGAR

TRIAL NO. 64 ZONE IET EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI, DELHI, LUDHIANA, PANTNAGAR, KANPUR, KARNAL, DHOLI, AGWANPUR, RANCHI BELIPUR, VARANASI, JASHIPUR, AMBIKAPUR, HYDERABAD, KARIMNAGAR ARBHAVI, MANDYA, KOLHAPUR, COIMBATORE, UDAIPUR, BANSWARA GODHRA, CHHINDWARA, PROAGRO, SEEDTEC, J K AGRI, KUSHMOHOT

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	D E H - 10302	DMR -451	PANTNAGAR	7802	7828	7845	7865
2	HKH - 1183	DMR -452	KARNAL	7816	7825	7841	7871
3	HKH - 1185	DMR -453	KARNAL	7804	7833	7847	7874
4	HKH - 1199	DMR -454	KARNAL	7817	7824	7850	7864
5	HKH - 1210	DMR -455	KARNAL	7810	7832	7839	7866
6	HKH - 1214	DMR -456	KARNAL	7813	7827	7856	7861
7	F H - 3208	DMR -457	ALMORA	7805	7838	7851	7858
8	F H - 3210	DMR -458	ALMORA	7808	7831	7842	7868
9	F H - 3215	DMR -459	ALMORA	7815	7823	7855	7867
10	A H - 017049	DMR -460	DELHI	7814	7835	7848	7859
11	A H - 014 16	DMR -461	DELHI	7809	7822	7844	7875
12	SEEDTEC - 205	DMR -462	SEEDTEC	7806	7829	7854	7869
13	SEEDTEC - 1307	DMR -463	SEEDTEC	7819	7836	7843	7870
14	BISCO - 2051	DMR -464	BISCO	7803	7830	7840	7872
15	BISCO - C 35	DMR -465	BISCO	7807	7834	7849	7876
16	P R O - 356	DMR -466	PROAGRO	7801	7826	7853	7860
17	JKMH - 495	DMR -467	JK AGRI	7812	7820	7852	7862
	CHECKS :-						
18	HIM - 129	DMR -468	ALMORA	7811	7837	7846	7863
19	SURYA	DMR -469	PANTNAGAR	7818	7821	7857	7873

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, UDAIPUR, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI , MANDYA COIMBATORE, DHAULAKUAN, PANTNAGAR, ALMORA, GODHRA

TRIAL NO. 65 AET 1st YEAR ZONE - 2 FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	J H - 10269	2	DMR - 401	LUDHIANA	7603	7612	7617	7622
2	F - 9572 A (RETESTING)	2	DMR - 402	MONSANTO	7601	7610	7618	7623
	CHECKS:							
3	GANGA - 11	2	DMR - 403	NSC	7605	7607	7616	7620
4	PRO - 311	2	DMR - 404	PROAGRO	7602	7611	7613	7624
5	DECCAN - 103	2	DMR - 405	NSC	7606	7609	7614	7621
6	BIO - 9681	2	DMR - 406	BIOSEED	7604	7608	7615	7619

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA, KARNAL
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 65 AET 1st YEAR ZONE - 3 FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING BELIPUR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR AMBIKAPUR, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	P M Z - 234	3	DMR - 411	PARAS(H.LIV.)	7654	7662	7666	7672
2	JKMH - 1090	3	DMR - 412	JK AGRI	7655	7660	7669	7678
3	F - 1562	3	DMR - 413	MONSANTO	7657	7661	7670	7677
	CHECKS:							
4	GANGA - 11	3	DMR - 414	NSC	7651	7659	7668	7676
5	PRO - 311	3	DMR - 415	PROAGRO	7653	7658	7671	7673
6	DECCAN - 103	3	DMR - 416	NSC	7656	7664	7665	7674
7	BIO - 9681	3	DMR - 417	BIOSEED	7652	7663	7667	7675

PATHOLOGY JASHIPUR, DHOLI, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY DELHI, LUDHIANA, KARNAL
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 65 AET 1st YEAR ZONE 4 FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	BIO - 92327	4	DMR - 441	BIOSEED	7755	7758	7762	7766
	CHECKS:							
2	GANGA - 11	4	DMR - 442	NSC	7754	7760	7761	7769
3	PRO - 311	4	DMR - 443	PROAGRO	7753	7757	7765	7767
4	DECCAN - 103	4	DMR - 444	NSC	7752	7756	7764	7768
5	BIO - 9681	4	DMR - 445	BIOSEED	7751	7759	7763	7770

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA, COIMBATORE

ENTOMOLOGY DELHI, HYDERABAD, KOLHAPUR

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 65 AET 1st YEAR ZONE - 5 FULL SEASON MATURITY
YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	F - 2784	5	DMR - 421	MONSANTO	7705	7715	7727	7744
2	X - 2006	5	DMR - 422	KANCHAN GANGA	7711	7716	7726	7739
3	BISCO - 851	5	DMR - 423	BISCO	7706	7722	7728	7740
4	PAC 70005	5	DMR - 424	ADVANTA	7712	7721	7732	7743
5	NECH - 110	5	DMR - 425	SYNGENTA	7708	7719	7735	7741
6	BIO - 92327	5	DMR - 426	BIOSEED	7702	7724	7725	7738
7	JKMH - 370	5	DMR - 427	JK AGRI	7707	7718	7729	7737
8	F - 1550	5	DMR - 428	MONSANTO	7703	7713	7733	7748
	CHECKS:							
9	GANGA - 11	5	DMR - 429	NSC	7704	7717	7736	7745
10	PRO - 311	5	DMR - 430	PROAGRO	7709	7714	7730	7746
11	DECCAN - 103	5	DMR - 431	NSC	7701	7720	7734	7747
12	BIO - 9681	5	DMR - 432	BIOSEED	7710	7723	7731	7742

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA

ENTOMOLOGY UDAIPUR, DELHI

NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 66 AET 1st YEAR ZONE -1 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	EC - 3116	1	DMR - 301	UDAIPUR	7110	7133	7148	7166
2	L - 173	1	DMR - 302	BAJAURA	7102	7130	7137	7157
3	HKH - 1191	1	DMR - 303	KARNAL	7111	7124	7147	7163
3A	U M H - 1	1	DMR - 303A	BAHARAICH	7111A	7124A	7147A	7163A
4	KAVERI - 235	1	DMR - 304	KAVERI SEED	7103	7122	7150	7165
5	BISCO - 3123	1	DMR - 305	BISCO	7115	7118	7138	7153
6	P R O - 349	1	DMR - 306	PROAGRO	7113	7132	7135	7167
7	NECH - 112	1	DMR - 307	SYNGENTA	7106	7134	7139	7162
8	NECH - 113	1	DMR - 308	SYNGENTA	7109	7125	7151	7155
9	X - 2003	1	DMR - 309	KANCHJAN GANGA	7107	7120	7143	7159
10	P M Z - 131	1	DMR - 310	PARAS(H.LIV.)	7114	7119	7149	7158
11	BIO - 92218	1	DMR - 311	BIOSEED	7108	7131	7140	7164
12	JKMH - 1080	1	DMR - 312	JK AGRI	7116	7129	7144	7160
13	AAMH - 204	1	DMR - 313	ADARSH AGRINOVA	7101	7121	7145	7161
14	AAMH - 206	1	DMR - 314	ADARSH AGRINOVA	7105	7127	7142	7156
	CHECKS:							
15	KH 510	1	DMR - 315	KANCHAN GANGA	7117	7123	7136	7154
16	NAVJOT	1	DMR - 316	LUDHIANA	7112	7126	7141	7168
17	DECCAN - 107	1	DMR - 317	KARIMNAGAR	7104	7128	7146	7152

PATHOLOGY ALMORA, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 66 AET 1st YEAR ZONE -2 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL,

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	L - 173	2	DMR - 321	BAJAURA	7212	7224	7242	7247
2	EC - 3116	2	DMR - 322	UDAIPUR	7208	7218	7235	7246
3	HKH - 1206	2	DMR - 323	KARNAL	7213	7221	7236	7244
4	KAVERI - 235	2	DMR - 324	KAVERI SEED	7207	7219	7240	7253
5	PAC 70004	2	DMR - 325	ADVANTA	7210	7227	7230	7252
6	NECH - 113	2	DMR - 326	SYNGENTA	7205	7220	7237	7256
7	X - 2003	2	DMR - 327	KANCHJAN GANGA	7211	7215	7231	7250
8	PAC 70003	2	DMR - 328	ADVANTA	7204	7222	7234	7251
9	JKMH - 1080	2	DMR - 329	JK AGRI	7209	7226	7239	7255
10	SEEDTEC - 6234	2	DMR - 330	SEEDTEC	7202	7223	7233	7248
11	FILLER (BIO 9681)	2	DMR - 331	BIOSEED'S	7203	7225	7229	7245
	CHECKS:							
12	KH 510	2	DMR - 332	KANCHAN GANGA	7206	7217	7241	7249
13	NAVJOT	2	DMR - 333	LUDHIANA	7201	7228	7232	7243
14	DECCAN - 107	2	DMR - 334	KARIMNAGAR	7214	7216	7238	7254

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA, KARNAL

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 66 AET 1st YEAR ZONE 3 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING BELIPAR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR, AMBIKAPUR, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	L - 173	3	DMR - 341	BAJAURA	7310	7335	7346	7369
2	L - 157	3	DMR - 342	BAJAURA	7304	7320	7349	7360
3	L - 161	3	DMR - 343	BAJAURA	7302	7333	7355	7358
4	L - 169	3	DMR - 344	BAJAURA	7312	7334	7347	7361
5	U M C - 13	3	DMR - 345	COIMBATORE	7301	7336	7357	7366
6	D - 003	3	DMR - 346	PANTNAGAR	7319	7326	7344	7368
7	HKH - 1191	3	DMR - 347	KARNAL	7318	7322	7350	7375
8	BH - 2398	3	DMR - 348	HYDERABAD	7305	7338	7352	7364
9	A H - 1121	3	DMR - 349	DELHI	7311	7321	7356	7365
10	A H - 1154	3	DMR - 350	DELHI	7315	7337	7348	7374
11	BIO - 92218	3	DMR - 351	BIOSEED	7303	7323	7341	7359
12	PAC 70003	3	DMR - 352	ADVANTA	7308	7332	7340	7367
13	P M Z - 131	3	DMR - 353	PARAS(H.LIV.)	7313	7324	7342	7373
14	BISCO - SURAJ 11	3	DMR - 354	BISCO	7316	7331	7351	7372
15	X - 2003	3	DMR - 355	KANCHAN GANGA	7309	7328	7343	7371
16	JKMH - 1080	3	DMR - 356	JK AGRI	7317	7330	7339	7362
	CHECKS:							
17	KH 510	3	DMR - 357	KANCHAN GANGA	7307	7325	7345	7376
18	NAVJOT	3	DMR - 358	LUDHIANA	7314	7327	7353	7363
19	DECCAN - 107	3	DMR - 359	KARIMNAGAR	7306	7329	7354	7370

PATHOLOGY JASHIPUR, DHOLI, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY DELHI, LUDHIANA, KARNAL
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 66 AET 1st YEAR ZONE 4 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	HKH - 1206	4	DMR - 361	KARNAL	7405	7414	7432	7448
2	BH - 2398	4	DMR - 362	HYDERABAD	7401	7418	7428	7443
3	U M C- 13	4	DMR - 363	COIMBATORE	7408	7419	7434	7447
4	BIO - 92218	4	DMR - 364	BIOSEED	7411	7416	7426	7445
5	*JKMH - 1080*	4	*DMR - 365*	*JK AGRI*	7412	7415	7435	7446
6	SEEDTEC - 6234	4	DMR - 366	SEEDTEC	7402	7413	7430	7439
7	NECH - 112	4	DMR - 367	SYNGENTA	7409	7424	7429	7437
8	KAVERI - 235	4	DMR - 368	KAVERI SEED	7404	7423	7433	7441
9	P M Z - 131	4	DMR - 369	PARAS(H.LIV.)	7410	7421	7431	7442
	CHECKS:							
10	KH 510	4	DMR - 370	KANCHAN GANGA	7406	7417	7427	7440
11	NAVJOT	4	DMR - 371	LUDHIANA	7403	7420	7436	7438
12	DECCAN - 107	4	DMR - 372	KARIMNAGAR	7407	7422	7425	7444

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA

ENTOMOLOGY DELHI, HYDERABAD, KOLHAPUR

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 66 AET 1st YEAR ZONE 5 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING
UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	A H - 1121	5	DMR - 381	DELHI	7507	7533	7546	7565
2	A H - 1122	5	DMR - 382	DELHI	7509	7522	7543	7562
3	A H - 1152	5	DMR - 383	DELHI	7506	7532	7539	7561
4	A H - 1154	5	DMR - 384	DELHI	7504	7528	7542	7559
5	EC - 3110	5	DMR - 385	UDAIPUR	7508	7534	7544	7552
6	HKH - 1191	5	DMR - 386	KARNAL	7510	7524	7551	7553
7	D - 003	5	DMR - 387	PANTNAGAR	7515	7523	7537	7555
8	U M H - 1	5	DMR - 388	BAHARAICH	7501	7531	7547	7556
9	U M H - 2	5	DMR - 389	BAHARAICH	7503	7521	7535	7563
10	E C - 3116	5	DMR - 390	UDAIPUR	7512	7520	7536	7567
11	BIO - 92218	5	DMR - 391	BIOSEED	7505	7530	7538	7554
12	JKMH - 1080	5	DMR - 392	JK AGRI	7511	7519	7548	7560
13	SEEDTEC - 6234	5	DMR - 393	SEEDTEC	7502	7526	7550	7557
14	KAVERI - 235	5	DMR - 394	KAVERI SEED	7516	7529	7545	7566
	CHECKS:							
15	KH 510	5	DMR - 395	KANCHAN GANGA	7513	7527	7549	7568
16	NAVJOT	5	DMR - 396	LUDHIANA	7514	7518	7541	7558
17	DECCAN - 107	5	DMR - 397	KARIMNAGAR	7517	7525	7540	7564

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA

ENTOMOLOGY UDAIPUR, DELHI

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 67 AET 1st YEAR ZONE 1 EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	SEEDTEC - 1204	1	DMR - 251	SEEDTEC	6904	6914	6918	6927
2	PAC 70002	1	DMR - 252	ADVANTA	6902	6909	6924	6928
3	PAC 70001	1	DMR - 253	ADVANTA	6906	6913	6920	6926
4	BIO - 92109	1	DMR - 254	BIOSEED	6905	6915	6923	6930
	CHECKS:							
5	X - 3342	1	DMR - 255	POC	6901	6916	6919	6932
6	PEHM - 2	1	DMR - 256	DELHI	6903	6910	6921	6925
7	MAHI KANCHAN	1	DMR - 257	UDAIPUR	6907	6911	6922	6929
8	MEGHA	1	DMR - 258	LUDHIANA	6908	6912	6917	6931

PATHOLOGY DELHI, NAGENAHALLI, BAJAURA, ALMORA, MANDYA, DHAULAKUAN PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA,

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 67 AET 1st YEAR ZONE 3 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING BELIPAR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR AMBIKAPUR, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9803	3	DMR - 261	KANPUR	6951	6960	6962	6969
	CHECKS:							
2	X - 3342	3	DMR - 262	POC	6954	6956	6965	6967
3	MEGHA	3	DMR - 263	LUDHIANA	6953	6959	6963	6966
4	PEHM - 2	3	DMR - 264	DELHI	6955	6957	6961	6968
5	MAHI KANCHAN	3	DMR - 265	UDAIPUR	6952	6958	6964	6970

PATHOLOGY JASHIPUR, DHOLI, NAGENAHALLI, MANDYA, DHALAKUANA

ENTOMOLOGY DELHI, LUDHIANA,

NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 67 AET 1st YEAR ZONE 4 EARLY MATURITY
YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE, ADVANTA, BIOSEED, SEEDTEC

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	PAC 70001	4	DMR - 271	ADVANTA	7008	7011	7027	7034
2	BIO - 92109	4	DMR - 272	BIOSEED	7005	7010	7020	7035
3	SEEDTEC - 1202	4	DMR - 273	SEEDTEC	7009	7014	7024	7028
4	BISCO - 208	4	DMR - 274	BISCO	7001	7012	7023	7033
5	BIO - 92136	4	DMR - 275	BIOSEED	7003	7018	7025	7032
	CHECKS:							
6	X - 3342	4	DMR - 276	POC	7006	7017	7022	7029
7	MEGHA	4	DMR - 277	LUDHIANA	7002	7013	7021	7031
8	PEHM - 2	4	DMR - 278	DELHI	7007	7015	7019	7036
9	MAHI KANCHAN	4	DMR - 279	UDAIPUR	7004	7016	7026	7030

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA COIMBATORE
ENTOMOLOGY DELHI, HYDERABAD, KOLHAPUR
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 67 AET 1st YEAR ZONE 5 EARLY MATURITY
YEAR 2001 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9803	5	DMR - 281	KANPUR	7057	7061	7067	7080
2	F H - 3161	5	DMR - 282	ALMORA	7052	7064	7071	7082
3	SEEDTEC - 1202	5	DMR - 283	SEEDTEC	7051	7060	7072	7081
4	BIO - 92136	5	DMR - 284	BIOSEED	7054	7063	7068	7077
	CHECKS:							
5	X - 3342	5	DMR - 285	POC	7055	7066	7069	7079
6	MEGHA	5	DMR - 286	LUDHIANA	7056	7062	7070	7076
7	PEHM - 2	5	DMR - 287	DELHI	7058	7059	7073	7078
8	MAHI KANCHAN	5	DMR - 288	UDAIPUR	7053	7065	7074	7075

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY UDAIPUR, DELHI
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 68 AET 1st YEAR ZONE - 2 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	SEEDTEC - 1205	2	DMR - 231	SEEDTEC	6801	6805	6809	6811	6815	6816
	CHECKS :-									
2	HIM - 129	2	DMR - 232	ALMORA	6802	6806	6807	6810	6814	6818
3	SURYA	2	DMR - 233	PANT-NAGAR	6803	6804	6808	6812	6813	6817

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA, KARNAL
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 68 AET 1st YEAR ZONE - 1,3,4 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, POONCH, ALMORA, BAJAURA, DHAULALUAN, KANGRA, JORHAT BARAPANI, BELIPAR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR AMBIKAPUR, HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, KOLHAPUR COIMBATORE, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	F H - 3186	1,3,4	DMR - 236	ALMORA	6828	6831	6836	6839	6845	6846
2	F H - 3176 (ZONE 1 & 4)/	1, 4	DMR - 237	ALMORA	6827	6830	6837	6840	6844	6849
	VL 99 (ZONE 3)	3		ALMORA						
	CHECKS :-									
3	HIM - 129	1,3,4	DMR - 238	ALMORA	6826	6833	6835	6841	6842	6847
4	SURYA	1,3,4	DMR - 239	PANT-NAGAR	6829	6832	6834	6838	6843	6848

PATHOLOGY DELHI, DHOLI, JASHIPUR, LUDHIANA, KARNAL NAGENAHALLI, BAJAURA, HYDERABAD, ARBHAVI, MANDYA COIMBATORE, DHAULAKUAN, PANTNAGAR, ALMORA
ENTOMOLOGY DELHI, LUDHIANA, KARNAL, HYDERABAD, KOLHAPUR
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 68 AET 1st YEAR ZONE - 5 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	F H - 3186	5	DMR - 241	ALMORA	6851	6857	6865	6867
2	VL 97	5	DMR - 242	ALMORA	6855	6858	6861	6869
3	E C - 3108 (RETESTING)	5	DMR - 243	UDAIPUR	6852	6856	6864	6868
	CHECKS :-							
4	HIM - 129	5	DMR - 244	ALMORA	6853	6860	6862	6866
5	SURYA	5	DMR - 245	PANTNAGAR	6854	6859	6863	6870

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY UDAIPUR, DELHI
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 69 AET 2nd YEAR ZONE - 1, FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION :
BREEDING SRINAGAR, POONCH, BAJAURA, JORHAT, BARAPANI (TWO SET FOR EACH LOCATION)

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	B H - 1015 (RETESTING)	1	DMR - 146	HYDERABAD	6303	6306	6315	6317
2	NECH - 105	1	DMR - 147	SYNGENTA	6302	6310	6311	6319
	CHECKS:							
3	GANGA - 11	1	DMR - 148	NSC	6301	6308	6314	6320
4	PRO - 311	1	DMR - 149	PROAGRO	6305	6309	6312	6318
5	DECCAN - 103	1	DMR - 150	NSC	6304	6307	6313	6316

PATHOLOGY DELHI, NAGENAHALLI,ALMORA, BAJAURA, MANDYA, DHAULAKUAN

ENTOMOLOGY DELHI, LUDHIANA,

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 69 AET 2nd YEAR ZONE - 2, FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION :
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	BH - 1620	2	DMR - 151	HYDERABAD	6352	6360	6367	6372
2	BH - 1434	2	DMR - 152	HYDERABAD	6356	6357	6364	6374
3	NECH - 105	2	DMR - 153	SYNGENTA	6353	6362	6365	6369
	CHECKS:							
4	GANGA - 11	2	DMR - 154	NSC	6354	6361	6363	6373
5	PRO - 311	2	DMR - 155	PROAGRO	6355	6359	6366	6370
6	DECCAN - 103	2	DMR - 156	NSC	6351	6358	6368	6371

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA, KARNAL

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 69 AET 2nd YEAR ZONE 3 FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION :
BREEDING BELIPUR, VARANASI, DHOLI, RANCHI, AGWANPUR, JASHIPUR AMBIKAPUR, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	NECH - 105	3	DMR-161	SYNGENTA	6401	6408	6409	6416	6419	6421
	CHECKS:									
2	GANGA - 11	3	DMR-162	NSC	6402	6407	6412	6415	6418	6424
3	PRO - 311	3	DMR-163	PROAGRO	6404	6406	6411	6413	6420	6422
4	DECCAN - 103	3	DMR-164	NSC	6403	6405	6410	6414	6417	6423

PATHOLOGY DHOLI, JASHIPUR, NAGENHALLI, MANDYA, DHAULAKUAN

ENTOMOLOGY DELHI, LUDHIANA,

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 69 AET 2nd YEAR ZONE 4 FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION :
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA,KOLHAPUR, COIMBATORE SYNGENTA, MONSANTO

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	NECH - 105	4	DMR - 165	SYNGENTA	6454	6456	6463	6469
2	F - 8007	4	DMR - 166	MONSANTO	6452	6460	6464	6466
	CHECKS:							
3	GANGA - 11	4	DMR - 167	NSC	6453	6459	6462	6470
4	PRO - 311	4	DMR - 168	PROAGRO	6455	6457	6461	6468
5	DECCAN - 103	4	DMR - 169	NSC	6451	6458	6465	6467

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA COIMBATORE, KARIMNAGAR

ENTOMOLOGY KOLHAPUR, HYDERABAD

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 69 AET 2nd YEAR ZONE 5 FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION :
BREEDING
UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	NECH - 109	5	DMR - 171	SYNGENTA	6503	6510	6514	6518
2	NECH - 105	5	DMR - 172	SYNGENTA	6505	6507	6515	6516
	CHECKS:							
3	GANGA - 11	5	DMR - 173	NSC	6501	6508	6512	6519
4	PRO - 311	5	DMR - 174	PROAGRO	6504	6506	6513	6517
5	DECCAN - 103	5	DMR - 175	NSC	6502	6509	6511	6520

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA

ENTOMOLOGY UDAIPUR, DELHI

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 70 AET 2nd YEAR ZONE - 1 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING SRINAGAR, ALMORA, BAJAURA, KANGRA, JORHAT, BARAPANI

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	BIO - 81009	1	DMR - 181	BIOSEED	6552	6559	6565	6566
2	BIO - 81096	1	DMR - 182	BIOSEED	6551	6557	6563	6569
	CHECKS:							
3	KH 510	1	DMR - 183	KANCHAN GANGA	6555	6556	6564	6568
4	NAVJOT	1	DMR - 184	LUDHIANA	6553	6560	6561	6567
5	DECCAN - 107	1	DMR - 185	KARIMNAGAR	6554	6558	6562	6570

PATHOLOGY DELHI, NAGENAHALLI, BAJAURA, ALMORA, MANDYA, DHAULAKUAN PANTNAGAR

ENTOMOLOGY DELHI, LUDHIANA

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 70 AET 2nd YEAR ZONE - 2 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	HKH - 1170	2	DMR - 186	KARNAL	6607	6609	6620	6626
2	HKH - 1171	2	DMR - 187	KARNAL	6606	6611	6617	6622
3	X - 46172	2	DMR - 188	KANCHANGANGA	6602	6612	6621	6625
4	BIO - 91116	2	DMR - 189	BIOSEED	6605	6614	6615	6623
	CHECKS:							
5	KH 510	2	DMR - 190	KANCHAN GANGA	6603	6608	6618	6628
6	NAVJOT	2	DMR - 191	LUDHIANA	6604	6610	6616	6627
7	DECCAN - 107	2	DMR - 192	KARIMNAGAR	6601	6613	6619	6624

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR

ENTOMOLOGY DELHI, LUDHIANA, KARNAL

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 70 AET 2nd YEAR ZONE - 3 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING BELIPUR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR AMBIKAPUR, KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	JKMH - 168	3	DMR - 201	JK AGRI	6656	6667	6670	6678
2	BIO - 81009	3	DMR - 202	BIOSEED	6653	6665	6675	6681
3	BIO - 81096	3	DMR - 203	BIOSEED	6654	6660	6676	6679
4	X - 46172	3	DMR - 204	KANCHAN GANGA	6659	6664	6671	6685
5	BIO - 91116	3	DMR - 205	BIOSEED	6658	6662	6669	6684
6	PRO 345	3	DMR - 206	PROAGRO	6652	6668	6674	6680
	CHECKS:							
7	KH 510	3	DMR - 207	KANCHAN GANGA	6651	6661	6673	6683
8	NAVJOT	3	DMR - 208	LUDHIANA	6655	6666	6672	6686
9	DECCAN - 107	3	DMR - 209	KARIMNAGAR	6657	6663	6677	6682

PATHOLOGY JASHIPUR, DHOLI, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY DELHI, LUDHIANA,
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 70 AET 2nd YEAR ZONE - 4 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, KOLHAPUR, COIMBATORE

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9702	4	DMR - 211	KANPUR	6704	6708	6712	6720
2	B H - 1576	4	DMR - 212	HYDERABAD	6703	6707	6715	6716
3A	A H - 918	4	DMR - 212A	DELHI	6703A	6707A	6715A	6716A
	CHECKS:							
3	KH 510	4	DMR - 213	KANCHAN GANGA	6701	6710	6713	6719
4	NAVJOT	4	DMR - 214	LUDHIANA	6702	6709	6711	6718
5	DECCAN - 107	4	DMR - 215	KARIMNAGAR	6705	6706	6714	6717

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA COIMBATORE, KARIMNAGAR
ENTOMOLOGY KOLHAPUR, HYDERABAD
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 70 AET 2nd YEAR ZONE - 5 MEDIUM MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING UDAIPUR, BANSWARA, GODHRA, CHHINDWARA

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	BIO - 91116	5	DMR - 221	BIOSEED	6755	6765	6774	6775
2	R - 9702	5	DMR - 222	KANPUR	6753	6759	6768	6780
3	B H - 1576	5	DMR - 223	HYDERABAD	6752	6763	6772	6778
4	A H - 915	5	DMR - 224	DELHI	6754	6764	6773	6777
5	PRO 345	5	DMR - 225	PROAGRO	6757	6761	6771	6782
	CHECKS:							
6	KH 510	5	DMR - 226	KANCHAN GANGA	6758	6760	6767	6779
7	NAVJOT	5	DMR - 227	LUDHIANA	6756	6766	6770	6781
8	DECCAN - 107	5	DMR - 228	KARIMNAGAR	6751	6762	6769	6776

PATHOLOGY UDAIPUR, GODHRA, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY UDAIPUR, DELHI
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 71 AET 2nd YEAR ZONE-1, EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP: 4
LOCATION :
BREEDING SRINAGAR, POONCH, ALMORA,(2 SET) BAJAURA,(2 SET) KANGRA JORHAT, BARAPANI

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	EC - 1108	1	DMR - 116	UDAIPUR	6156	6159	6166	6171
2	F H - 3138	1	DMR - 117	ALMORA	6151	6161	6164	6172
	CHECKS:							
3	X - 3342	1	DMR - 118	POC	6155	6157	6165	6174
4	MEGHA	1	DMR - 119	LUDHIANA	6152	6160	6167	6169
5	PEHM - 2	1	DMR - 120	DELHI	6153	6162	6163	6173
6	MAHI KANCHAN	1	DMR - 121	UDAIPUR	6154	6158	6168	6170

PATHOLOGY ALMORA, BAJAURA, DHAULAKUAN, MANDYA, NAGENAHALLI

ENTOMOLOGY DELHI, LUDHIANA

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 71 AET 2nd YEAR ZONE 2 EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP: 4
LOCATION :
BREEDING DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	X - 2002	2	DMR - 126	KANCHANGANGA	6203	6211	6214	6219
2	BISCO - 203	2	DMR - 127	BISCO	6202	6210	6213	6224
	CHECKS:							
3	X - 3342	2	DMR - 128	POC	6204	6207	6218	6221
4	MEGHA	2	DMR - 129	LUDHIANA	6206	6209	6216	6223
5	PEHM - 2	2	DMR - 130	DELHI	6205	6208	6217	6220
6	MAHI KANCHAN	2	DMR - 131	UDAIPUR	6201	6212	6215	6222

PATHOLOGY DELHI, LUDHIANA, KARNAL, NAGENAHALLI, MANDYA, DHALAKUANA PANTNAGAR
ENTOMOLOGY DELHI, LUDHIANA, KARNAL
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 71 AET ZONE 2nd YEAR ZONE - 4 EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP: 4
LOCATION :
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE, PROAGRO

EN NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9701	4	DMR - 136	KANPUR	6252	6260	6270	6275
2	P R O - 340 (RETESTING)	4	DMR - 137	PROAGRO	6253	6264	6268	6272
3	F H - 3113	4	DMR - 138	ALMORA	6255	6259	6267	6277
	CHECKS:							
4	X - 3342	4	DMR - 139	POC	6257	6261	6269	6273
5	MEGHA	4	DMR - 140	LUDHIANA	6251	6262	6271	6276
6	PEHM - 2	4	DMR - 141	DELHI	6256	6258	6266	6278
7	MAHI KANCHAN	4	DMR - 142	UDAIPUR	6254	6263	6265	6274

PATHOLOGY HYDERABAD, KARIMNAGAR, ARBHAVI, COIMBATORE, NAGENAHALLI MANDYA, DHALAKUANA

ENTOMOLOGY DELHI, HYDERABAD, KOLHAPUR

NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. 72 AET 2nd YEAR ZONE - 1,2 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP: 4
LOCATION :

BREEDING SRINAGAR, POONCH, ALMORA,(2 SET) BAJAURA, KANGRA, JORHAT BARAPANI, DELHI,LUDHIANA , PANTNAGAR, KANPUR , KARNAL

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	A H - 421	1,2	DMR - 101	DELHI	6002	6004	6008	6012	6013	6017
	CHECKS:									
2	HIM - 129	1,2	DMR - 102	ALMORA	6003	6006	6007	6010	6015	6016
3	SURYA	1,2	DMR - 103	PANTNAGAR	6001	6005	6009	6011	6014	6018

PATHOLOGY ALMORA, BAJAURA, DHAULAKUAN, MANDYA, NAGENAHALLI DELHI, LUDHIANA, KARNAL, PANTNAGAR

ENTOMOLOGY DELHI, LUDHIANA, KARNAL

NEMATOLOGY DELHI, UDAIPUR

SOIL SCIENCE PANTNAGAR

TRIAL NO. 72 AET 2nd YEAR ZONE - 3 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP. 4
LOCATION
BREEDING
BELIPUR, VARANASI, DHOLI, AGWANPUR, RANCHI, JASHIPUR, AMBIKAPUR KUSHMOHOT

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	D - 994	3	DMR - 106	PANTNAGAR	6054	6058	6062	6066	6073	6076
2	D - 995	3	DMR - 107	PANTNAGAR	6055	6057	6064	6070	6071	6077
3	*BAU - (FS) V1	3	DMR - 108	RANCHI	6051	6060	6061	6067	6075	6079
	CHECKS :-									
4	HIM - 129	3	DMR - 109	ALMORA	6053	6056	6065	6068	6074	6080
5	SURYA	3	DMR - 110	PANTNAGAR	6052	6059	6063	6069	6072	6078

PATHOLOGY JASHIPUR, DHOLI, NAGENAHALLI, MANDYA, DHALAKUANA
ENTOMOLOGY DELHI, LUDHIANA,
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

* FILLER FOR PATHOLOGY, ENTOMOLOGY, MEMATOLOGU, AND SOIL SCIENCE IS MEGHA.

TRIAL NO. 72 AET 2nd YEAR ZONE - 4 EXTRA EARLY MATURITY
YEAR 2002 KHARIF
NO OF ROWS 6
ROW LENTH 5 mt
NO OF REP: 4
LOCATION :
BREEDING HYDERABAD, KARIMNAGAR, ARBHAVI,MANDYA, KOLHAPUR, COIMBATORE

ENT NO	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4	R5	R6
1	EC - 3108	4	DMR - 111	UDAIPUR	6104	6105	6110	6116	6119	6121
2	A H - 421	4	DMR - 112	DELHI	6102	6107	6112	6114	6117	6122
	CHECKS :-				6103	6108	6109	6115	6118	6124
3	HIM - 129	4	DMR - 113	ALMORA	6101	6106	6111	6113	6120	6123
4	SURYA	4	DMR - 114	PANTNAGAR						

PATHOLOGY HYDERABAD, ARBHAVI NAGENAHALLI, MANDYA, DHALAKUANA COIMBATORE, KARIMNAGAR
ENTOMOLOGY DELHI, HYDERABAD, KOLHAPUR
NEMATOLOGY DELHI, UDAIPUR
SOIL SCIENCE PANTNAGAR

TRIAL NO. QPM-1
YEAR 2002 KHARIF
ROW LENGTH 4 m
NO. OF REP. 4
NO. OF ROW 2
LOCATION ALMORA, BAJAURA, DELHI(DMR), LUDHIANA, KARNAL, DHOLI, JASHIPUR, HYDERABAD, ARBHAVI

ENTRY NO.	PEDIGREE	CODE	ORIGIN	REPLICATION R 1	R 2	R 3	R 4
1	J H - QPM - 15	DMRQPM-1	LUDHIANA	10002	10023	10040	10065
2	J H - QPM - 29	DMRQPM-2	LUDHIANA	10008	10021	10045	10070
3	J H - QPM - 42	DMRQPM-3	LUDHIANA	10006	10026	10052	10056
4	J H - QPM - 78	DMRQPM-4	LUDHIANA	10018	10028	10043	10067
5	J H - QPM - 79	DMRQPM-5	LUDHIANA	10009	10035	10037	10068
6	J H - QPM - 80	DMRQPM-6	LUDHIANA	10010	10024	10049	10069
7	J H - QPM - 81	DMRQPM-7	LUDHIANA	10013	10032	10042	10058
8	HQPM - 1	DMRQPM-8	KARNAL	10001	10034	10039	10057
9 *	HQPM - 2	DMRQPM-9	KARNAL	10016	10027	10048	10064
10**	HQPM - 3	DMRQPM-10	KARNAL	10007	10036	10038	10062
11	B-QPMH - 12	DMRQPM-11	HYDERABAD	10015	10033	10053	10066
12	B-QPMH - 024	DMRQPM-12	HYDERABAD	10003	10025	10041	10061
13	B-QPMH - 31	DMRQPM-13	HYDERABAD	10011	10019	10050	10063
14	B-QPMH - 32	DMRQPM-14	HYDERABAD	10005	10029	10051	10072
15	B-QPMH - 33	DMRQPM-15	HYDERABAD	10014	10031	10054	10059
16	SHAKTIMAN - 1	DMRQPM-16	KOLHAPUR	10012	10022	10047	10055
17	GANGA - 11	DMRQPM-17	NSC	10017	10020	10044	10060
18	SHAKTI - 1	DMRQPM-18	NSC	10004	10030	10046	10071

PATHOLOGY DELHI, HYDERABAD, LUDHIANA, ALMORA

ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD, KOLHAPUR

* 9 FILLER DQPMC1-810 DHOLI, JASHIPUR, HYDERABAD, ARBHAVI
** 10 FILLER DQPMC1 JASHIPUR, HYDERABAD, ARBHAVI

TRIAL NO. QPM-2

YEAR 2002 KHARIF
ROW LENGTH 4 m
NO. OF REP. 4
NO. OF ROW 2
LOCATION ALMORA, BAJAURA, DELHI(DMR), LUDHIANA, KARNAL, DHOLI, JASHIPUR, HYDERABAD, ARBHAVI, COIMBATORE

ENTRY NO.	PEDIGREE	CODE	ORIGIN	REPLICATION R 1	R 2	R 3	R 4
1	J H QPM - 24	DMRQPM-21	LUDHIANA	10107	10120	10136	10137
2	J H QPM - 26	DMRQPM-22	LUDHIANA	10106	10116	10127	10142
3	J H QPM - 56	DMRQPM-23	LUDHIANA	10108	10124	10130	10147
4	J H QPM - 82	DMRQPM-24	LUDHIANA	10109	10113	10134	10139
5	J H QPM - 83	DMRQPM-25	LUDHIANA	10103	10118	10129	10145
6	J H QPM - 84	DMRQPM-26	LUDHIANA	10112	10114	10132	10148
7	X P 0101	DMRQPM-27	DHOLI	10110	10119	10135	10140
8	X P 0102	DMRQPM-28	DHOLI	10111	10117	10133	10143
9	X P 0103	DMRQPM-29	DHOLI	10105	10122	10128	10138
10	X P 0104	DMRQPM-30	DHOLI	10101	10121	10126	10141
11	SHAKTI - 1	DMRQPM-31	NSC	10104	10123	10131	10144
12	DECCAN - 107	DMRQPM-32	KARIMNAGAR	10102	10115	10125	10146

PATHOLOGY DELHI, HYDERABAD, LUDHIANA, ALMORA

ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD, KOLHAPUR

TRIAL NO. QPM-3

YEAR 2002 KHARIF
ROW LENGTH 5 m
NO. OF REP. 4
NO. OF ROW 4
LOCATION ALMORA, BAJAURA, DELHI(DMR), LUDHIANA, KARNAL, PANTNAGAR, DHOLI, BELIPAR, JASHIPUR, HYDERABAD, ARBHAVI, COIMBATORE UDAIPUR, BANSWARA, CHHINDWARA

ENTRY NO.	PEDIGREE	CODE	ORIGIN	REPLICATION R 1	R 2	R 3	R 4
1	SHAKTIMAN - 1	DMRQPM-36	KOLHAPUR	10154	10160	10161	10168
2	GANGA - 11	DMRQPM-37	NSC	10153	10156	10162	10169
3	SHAKTI - 1	DMRQPM-38	NSC	10155	10157	10165	10166
4	CML - 142 x CML - 150	DMRQPM-39	KOLHAPUR	10151	10158	10164	10167
5	CML - 175 x CML - 176	DMRQPM-40	CIMMYT	10152	10159	10163	10170

PATHOLOGY DELHI, HYDERABAD, LUDHIANA, ALMORA NAGENAHALLI, MANDYA, DHAULA KUAN

ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD, KOLHAPUR

AGRONOMY DELHI (DMR), LUDHIANA, ARBHAVI

TRIAL NO. QPM-4
YEAR 2002 KHARIF
ROW LENGTH 5 m
NO. OF REP. 4
NO. OF ROW 4
LOCATION ALMORA, BAJAURA, DELHI(DMR), LUDHIANA, KARNAL, PANTNAGAR, DHOLI, BELIPAR, JASHIPUR, HYDERABAD, ARBHAVI, COIMBATORE, UDAIPUR, BANSWARA, CHHINDWARA

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION R 1	R 2	R 3	R 4
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	DMRQPM-41	HYD/2001R 2505x06	10183	10186	10194	10197
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	DMRQPM-42	HYD/2001R 2507x08	10184	10190	10193	10196
3	SHAKTI - 1	DMRQPM-43	NSC	10181	10187	10195	10200
4	NAVJOT	DMRQPM-44	LUDHIANA	10185	10189	10192	10198
5	DECCAN - 107	DMRQPM-45	KARIMNAGAR	10182	10188	10191	10199

PATHOLOGY DELHI, HYDERABAD, LUDHIANA, ALMORA NAGENAHALLI, MANDYA, DHAULA KUAN
ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD, KOLHAPUR
AGRONOMY DELHI (DMR), LUDHIANA, ARBHAVI

TRIAL NO. SCT-5
YEAR 2002 KHARIF
ROW LENGTH 4 m
NO. OF REP. 4
NO. OF ROW 2
LOCATION BAJAURA, DELHI(DMR), LUDHIANA, KARNAL, DHOLI, HYDERABAD

ENTRY NO.	PEDIGREE	CODE	ORIGIN	REPLICATION R 1	R 2	R 3	R 4
1	J H wx - 21	DMRSP-51	LUDHIANA	10311	10319	10332	10347
2	J H wx - 22	DMRSP-52	LUDHIANA	10313	10316	10335	10356
3	J H wx - 23	DMRSP-53	LUDHIANA	10312	10326	10334	10354
4	J H ae - 4	DMRSP-54	LUDHIANA	10309	10328	10336	10348
5	J H ae - 5	DMRSP-55	LUDHIANA	10303	10325	10339	10352
6	J H ae - 6	DMRSP-56	LUDHIANA	10308	10321	10344	10355
7	J H ae - 7	DMRSP-57	LUDHIANA	10305	10327	10340	10359
8	B-HOMH - 11	DMRSP-58	HYDERABAD	10310	10320	10333	10357
9	B-HOMH - 12	DMRSP-59	HYDERABAD	10301	10323	10342	10358
10	GLUTENIOUS WAXY VCM -xO-xO-#	DMRSP-60	DMR	10302	10318	10337	10351
11	KISAN WAXY -2-6-xOb	DMRSP-61	DMR	10314	10330	10345	10349
12	TEMP. x TROP. HIGH OIL QPMC -16	DMRSP-62	DMR	10307	10324	10338	10346
13	SHAKTIMAN-1	DMRSP-63	KOLHAPUR	10304	10322	10343	10350
14	NAVJOT	DMRSP-64	LUDHIANA	10315	10317	10331	10353
15	GANGA - 11	DMRSP-65	NSC	10306	10329	10341	10360

PATHOLOGY DELHI, HYDERABAD, LUDHIANA
ENTOMOLOGY DELHI, LUDHIANA, HYDERABAD

TRIAL NO. BABY CORN -1

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING ALMORA, BAJAURA, DELHI(DMR), HYDERABAD, COIMBATORE LUDHIANA, PANTNAGAR, DHOLI, JASHIPUR,RANCHI, ADVANTA

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	PAC 71094	DMR BABY - 1	ADVANTA	9003	9015	9021	9036
2	PAC 70006	DMR BABY - 2	ADVANTA	9008	9013	9023	9029
3	B A U - FS V1	DMR BABY - 3	RANCHI	9006	9018	9026	9030
4	DBEH - 10201	DMR BABY - 4	PANTNAGAR	9005	9010	9024	9034
5	D B C - 1	DMR BABY - 5	PANTNAGAR	9009	9014	9020	9028
6	VL - 78	DMR BABY - 6	ALMORA	9001	9016	9022	9031
7	FH - 3054	DMR BABY - 7	ALMORA	9007	9011	9025	9035
8	VL MAKKA - 42	DMR BABY - 8	ALMORA	9004	9012	9027	9033
9	HIM - 129	DMR BABY - 9	ALMORA	9002	9017	9019	9032

TRIAL NO. SWEET CORN

YEAR 2002 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING ALMORA ,BAJAURA, DELHI(DMR) , HYDERABAD COIMBATORE, LUDHIANA, PANTNAGAR, DHOLI, JASHIPUR

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	JC (SWEET CORN) 1	DMR SWEET - 1	LUDHIANA	9055	9066	9070	9080
2	JC (SWEET CORN) 8	DMR SWEET - 2	LUDHIANA	9053	9059	9073	9082
3	V L - 15	DMR SWEET - 3	ALMORA	9054	9064	9067	9077
4	THAI COMP. DMR-#-A-xO-xO-xO	DMR SWEET - 4	DMR	9057	9062	9071	9076
5	ZA WIN SWEET CORN - I	DMR SWEET - 5	WINTER NUR	9052	9063	9074	9079
6	ZA WIN YELLOW SWEET CORN	DMR SWEET - 6	WINTER NUR	9051	9065	9072	9078
7	ZA WIN ORANG SWEET CORN	DMR SWEET - 7	WINTER NUR	9058	9060	9069	9081
8	MADHURI	DMR SWEET - 8	HYDERABAD	9056	9061	9068	9075

TRIAL NO. POP CORN TRAIL

YEAR 2001 KHARIF
NO OF ROWS 4
ROW LENTH 5 mt
NO OF ROW 4
LOCATION
BREEDING BAJAURA, DELHI(DMR) ,LUDHIANA, DHOLI, HYDERABAD COIMBATORE, UDAIPUR, CHINDWARA

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	WIN POP CORN - 1	DMR POP - 1	WINTER NUR	9101	9107	9115	9118
2	WIN POP CORN - II	DMR POP - 2	WINTER NUR	9104	9110	9113	9119
3	WIN POP CORN - 1II	DMR POP - 3	WINTER NUR	9105	9109	9111	9117
4	WIN POP CORN - 1V	DMR POP - 4	WINTER NUR	9102	9108	9112	9116
5	AMBER POP CORN	DMR POP - 5	HYDERABAD	9103	9106	9114	9120

SEND 200 gm OF EACH PLOT FOR POPING AFTER HARVEST .

TRIAL NO. 201 FULL SEASON MATURITY

YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING LUDHIANA, PANTNAGAR, KARNAL, KANPUR, DELHI

ENT	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	A H - 17053	DMR - 701	DELHI	9206	9233	9240	9267
2	A H - 17069	DMR - 702	DELHI	9208	9232	9239	9272
3	A H - 1418	DMR - 703	DELHI	9211	9224	9248	9268
4	HKH - 1129	DMR - 704	KARNAL	9205	9229	9249	9262
5	HKH - 1168	DMR - 705	KARNAL	9214	9223	9242	9265
6	HKH - 1201	DMR - 706	KARNAL	9213	9230	9238	9270
7	HKH - 1217	DMR - 707	KARNAL	9203	9236	9243	9259
8	HKH - 1220	DMR - 708	KARNAL	9207	9225	9254	9256
9	J CY2 (COMP.)	DMR - 709	LUDHIANA	9210	9220	9237	9271
10	J H - 10503	DMR - 710	LUDHIANA	9218	9228	9253	9261
11	J H - 10489	DMR - 711	LUDHIANA	9202	9219	9247	9258
12	J H - 10457	DMR - 712	LUDHIANA	9212	9234	9241	9264
13	J H - 10458	DMR - 713	LUDHIANA	9215	9222	9244	9269
14	J H - 10432	DMR - 714	LUDHIANA	9217	9235	9245	9255
	CHECKS :-						
15	GANGA - 11	DMR - 715	NSC	9216	9226	9246	9263
16	DECCAN - 103	DMR - 716	NSC	9201	9221	9250	9257
17	P R O - 311	DMR - 717	PROAGRO	9204	9231	9252	9260
18	BIO - 9681	DMR - 718	BIO SEED'S	9209	9227	9251	9266

TRIAL NO. 202 MEDIUM MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING LUDHIANA, PANTNAGAR, KARANL, KANPUR, DELHI

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9906	DMR - 721	KANPUR	9313	9318	9339	9364
2	R - 9907	DMR - 722	KANPUR	9314	9317	9343	9355
3	J H - 10393	DMR - 723	LUDHIANA	9307	9331	9346	9352
4	J H - 10362	DMR - 724	LUDHIANA	9310	9321	9337	9356
5	HKH - 1178	DMR - 725	KARNAL	9304	9328	9347	9351
6	HKH - 1194	DMR - 726	KARNAL	9309	9332	9340	9350
7	HKH - 1200	DMR - 727	KARNAL	9316	9323	9345	9359
8	HKH - 1204	DMR - 728	KARNAL	9315	9329	9348	9361
9	HKH - 1211	DMR - 729	KARNAL	9311	9327	9341	9363
10	A H - 1404	DMR - 730	DELHI	9312	9319	9342	9349
11	A H - 16030	DMR - 731	DELHI	9302	9324	9334	9358
12	A H - 16118	DMR - 732	DELHI	9305	9326	9344	9357
13	A H - 17043	DMR - 733	DELHI	9301	9320	9335	9354
	CHECKS:-						
14	K H - 510	DMR - 734	KANCHANGA	9303	9322	9333	9362
15	NAVJOT	DMR - 735	LUDHIANA	9308	9330	9338	9353
16	DECCAN - 107	DMR - 736	KARIMNAGAR	9306	9325	9336	9360

TRIAL NO. 203 EARLY MATURITY
YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING LUDHIANA, PANTNAGAR, KANPUR , KARNAL, DELHI

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	R - 9904 (RETEST.)	DMR - 741	KANPUR	9413	9419	9442	9446
2	R - 9905 (RETEST.)	DMR - 742	KANPUR	9411	9424	9433	9451
3	J H - 31005	DMR - 743	LUDHIANA	9403	9429	9445	9452
4	HKH - 1186	DMR - 744	KARNAL	9409	9425	9435	9448
5	HKH - 1187	DMR - 745	KARNAL	9410	9422	9432	9449
6	HKH - 1189	DMR - 746	KARNAL	9415	9427	9444	9455
7	HKH - 1172	DMR - 747	KARNAL	9401	9418	9434	9457
8	HKH - 1173	DMR - 748	KARNAL	9406	9420	9436	9460
9	A H - 16108	DMR - 749	DELHI	9405	9423	9441	9454
10	A H - 16116	DMR - 750	DELHI	9408	9428	9437	9453
11	A H - 16144	DMR - 751	DELHI	9412	9421	9439	9458
12	A H - 17067	DMR - 752	DELHI	9414	9426	9431	9456
	CHECKS:-						
13	X - 3342	DMR - 753	POC	9407	9417	9443	9459
14	MAHI KANCHAN	DMR - 754	UDAIPUR	9404	9416	9440	9447
15	MEGHA	DMR - 755	LUDHIANA	9402	9430	9438	9450

TRIAL NO. 204 EXTRA EARLY MATURITY

YEAR 2002 KHARIF
NO OF ROWS 2
ROW LENTH 5 mt
NO OF R 4
LOCATION
BREEDING LUDHIANA, PANTNAGAR, KANPUR , KARNAL, DELHI

ENT NO	PEDIGREE	CODE	ORIGIN	REPLICATION R1	R2	R3	R4
1	HKH - 1175	DMR - 761	KARNAL	9508	9511	9521	9534
2	HKH - 1179	DMR - 762	KARNAL	9509	9516	9527	9532
3	HKH - 1180	DMR - 763	KARNAL	9504	9510	9526	9529
4	HKH - 1181	DMR - 764	KARNAL	9501	9515	9525	9528
5	HKH - 1184	DMR - 765	KARNAL	9506	9512	9522	9535
6	A H - 16010	DMR - 766	DELHI	9502	9517	9523	9533
7	A H - 16032	DMR - 767	DELHI	9507	9518	9520	9530
	CHECKS:-						
8	HIM - 129	DMR - 768	ALMORA	9503	9514	9524	9531
9	SURYA	DMR - 769	PANTNAGAR	9505	9513	9519	9536

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

F U L L S E A S O N M A T U R I T Y ZONE - 1

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	B H - 1015(RETESTING)	1	DMR - 1041	HYDERABAD
2	NECH - 105	1	DMR - 1042	SYNGENTA
3	GANGA - 11	1	DMR - 1043	NSC
4	PRO - 311	1	DMR - 1044	PROAGRO

LOCATION :-

ZONE - 1
BAJAURA, SRINAGAR, JORHAT

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

F U L L S E A S O N M A T U R I T Y ZONE - 2

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	BH - 1620	2	DMR - 1046	HYDERABAD
2	BH - 1434	2	DMR - 1047	HYDERABAD
3	NECH - 105	2	DMR - 1048	SYNGENTA
4	GANGA - 11	2	DMR - 1049	NSC
5	PRO - 311	2	DMR - 1050	PROAGRO

LOCATION :-

ZONE - 2
LUDHIANA, DELHI, KANPUR, KARNAL

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

F U L L S E A S O N M A T U R I T Y ZONE - 3

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	NECH - 105	3	DMR - 1051	SYNGENTA
2	GANGA - 11	3	DMR - 1052	NSC
3	PRO - 311	3	DMR - 1053	PROAGRO

ZONE - 3
DHOLI, JASHIPUR, BAHARAICH, VARANASI,

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

F U L L S E A S O N M A T U R I T Y ZONE - 4

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	NECH - 105	4	DMR - 1056	SYNGENTA
2	F - 8007	4	DMR - 1057	MONSANTO
3	GANGA - 11	4	DMR - 1058	NSC
4	PRO - 311	4	DMR - 1059	PROAGRO

ZONE - 4
ARBHAVI, KARIMNAGAR, KOLHAPUR

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

F U L L S E A S O N M A T U R I T Y ZONE - 5

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	NECH - 105	5	DMR - 1061	SYNGENTA
2	NECH - 109	5	DMR - 1062	SYNGENTA
3	GANGA - 11	5	DMR - 1063	NSC
4	PRO - 311	5	DMR - 1064	PROAGRO

ZONE - 5

UDAIPUR , BANSWARA , GODHRA , CHHINDWARA

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

M E D I U M M A T U R I T Y ZONE - 1

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	BIO - 81009	1	DMR - 1101	BIOSEED
2	BIO - 81096	1	DMR - 1102	BIOSEED
3	DECCAN - 107	1	DMR - 1103	KARIMNAGAR
4	NAVJOT	1	DMR - 1104	LUDHIANA

LOCATION :-

ZONE - 1

BAJAURA, SRINAGAR, JORHAT

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

M E D I U M M A T U R I T Y ZONE - 2

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	HKH - 1170	2	DMR - 1111	KARNAL
2	HKH - 1171	2	DMR - 1112	KARNAL
3	X - 46172	2	DMR - 1113	KANCHANGANGA
4	BIO - 91116	2	DMR - 1114	BIOSEED
5	DECCAN - 107	2	DMR - 1115	KARIMNAGAR
6	NAVJOT	2	DMR - 1116	LUDHIANA

ZONE - 2
LUDHIANA, DELHI, KANPUR, KARNAL

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

M E D I U M M A T U R I T Y ZONE - 3

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	JKMH - 168	3	DMR - 1121	JK AGRI
2	BIO - 81009	3	DMR - 1122	BIOSEED
3	BIO - 81096	3	DMR - 1123	BIOSEED
4	X - 46172	3	DMR - 1124	KANCHANGANGA
5	BIO - 91116	3	DMR - 1125	BIOSEED
6	PRO 345	3	DMR - 1126	PROAGRO
7	DECCAN - 107	3	DMR - 1127	KARIMNAGAR
8	NAVJOT	3	DMR - 1128	LUDHIANA

ZONE - 3
DHOLI, JASHIPUR, BAHARAICH, VARANASI,

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

M E D I U M M A T U R I T Y ZONE - 4

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	R - 9702	4	DMR - 1131	KANPUR
2	B H - 1576	4	DMR - 1132	HYDERABAD
3	A H - 918	4	DMR - 1133	DELHI
4	DECCAN - 107	4	DMR - 1134	KARIMNAGAR
5	NAVJOT	4	DMR - 1135	LUDHIANA

ZONE - 4
ARBHAVI, KARIMNAGAR, KOLHAPUR

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

M E D I U M M A T U R I T Y ZONE - 5

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	A H - 915	5	DMR - 1141	DELHI
2	R - 9702	5	DMR - 1142	KANPUR
3	B H - 1576	5	DMR - 1143	HYDERABAD
4	BIO - 91116	5	DMR - 1144	BIOSEED
5	PRO 345	5	DMR - 1145	PROAGRO
6	DECCAN - 107	5	DMR - 1146	KARIMNAGAR
7	NAVJOT	5	DMR - 1147	LUDHIANA

ZONE - 5
UDAIPUR , BANSWARA , GODHRA , CHHINDWARA

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E A R L Y M A T U R I T Y ZONE - 1

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	EC - 1108	1	DMR - 10.1	UDAIPUR
2	F H - 3138	1	DMR - 1032	ALMORA
3	X - 3342	1	DMR - 1033	POC
4	MEGHA	1	DMR - 1034	LUDHIANA
5	PEHM - 2	1	DMR - 1035	DELHI
6	MAHI KANCHAN	1	DMR - 1036	UDAIPUR

ZONE - 1
BAJAURA , KANGRA , ALMORA

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E A R L Y M A T U R I T Y ZONE - 2

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	X - 2002	2	DMR - 1021	KANCHANGANGA
2	BISCO - 203	2	DMR - 1022	BISCO
3	X - 3342	2	DMR - 1023	POC
4	MEGHA	2	DMR - 1024	LUDHIANA
5	PEHM - 2	2	DMR - 1025	DELHI
6	MAHI KANCHAN	2	DMR - 1026	UDAIPUR

ZONE - 2
LUDHIANA, DELHI, KANPUR, KARNAL

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E A R L Y M A T U R I T Y ZONE - 4

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	R - 9701	4	DMR - 1011	KANPUR
2	P R O - 340 (RETESTING)	4	DMR - 1012	PROAGRO
3	F H - 3113	4	DMR - 1013	ALMORA
4	X - 3342	4	DMR - 1014	POC
5	MEGHA	4	DMR - 1015	LUDHIANA
6	PEHM - 2	4	DMR - 1016	DELHI
7	MAHI KANCHAN	4	DMR - 1017	UDAIPUR

ZONE - 4
ARBHAVI, KARIMNAGAR, KOLHAPUR

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E X T R A E A R L Y M A T U R I T Y ZONE - 1

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	A H - 421	1	DMR - 1066	DELHI
2	HIM - 129	1	DMR - 1067	ALMORA
3	SURYA	1	DMR - 1068	PANTNAGAR

ZONE - 1
BAJAURA , KANGRA , ALMORA

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E X T R A E A R L Y M A T U R I T Y ZONE - 2

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	A H - 421	2	DMR - 1071	DELHI
2	HIM - 129	2	DMR - 1072	ALMORA
3	SURYA	2	DMR - 1073	PANTNAGAR

ZONE - 2

LUDHIANA, DELHI, KANPUR, KARNAL

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E X T R A E A R L Y M A T U R I T Y ZONE - 3

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	D - 994	3	DMR - 1005	PANTNAGAR
2	D - 995	3	DMR - 1006	PANTNAGAR
3	HIM - 129	3	DMR - 1007	ALMORA
4	SURYA	3	DMR - 1008	PANTNAGAR
5	BAU (FS) V1	3	DMR - 1009	RANCHI

ZONE - 3

DHOLI, JASHIPUR, BAHARAICH, VARANASI,

AGRONOMIC TRIAL : - N x G YEAR 2002 KHARIF

E X T R A E A R L Y M A T U R I T Y ZONE - 4

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	EC - 3108	4	DMR - 1001	UDAIPUR
2	HIM - 129	4	DMR - 1002	ALMORA
3	SURYA	4	DMR - 1003	PANTNAGAR
4	A H - 421	4	DMR - 1004	DELHI

ZONE - 4

ARBHAVI, KARIMNAGAR, KOLHAPUR

QPM N x G AGRONOMY TRIAL

LOCATION :

DELHI (DMR), LUDHIANA, CHHINDAWARA

NO. OF ROWS: 6

NO. OF REP.: 3

NITOGEN LEVEL 3 (60, 120, 180)

DESIGN FACORIAL SPLIT PLOT

SR. NO.	PEDIGREE	CODE NO.	ORIGIN
1	CML - 142 x CML - 150	DMRQPM-39	KOLHAPUR
2	CML - 175 x CML - 176	DMRQPM-40	CIMMYT
3	SHAKTIMAN - 1	DMRQPM-36	KOLHAPUR
4	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 - B - 7 -B - B -# -xO) x (SHAKTI SO\SN HE 25-#-CC BULK 50%-f-xO-3-B-2-B-# - xO)	DMRQPM-41	HYD/2001R 2505x06
5	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50%-f-xO-3-B-1-B-# - xO)	DMRQPM-42	HYD/2001R 2507x08
6	SHAKTI - 1	DMRQPM-43	NSC

Breeders Seed Production (BSP IV) during *Kharif* 2002

Crop : Maize

S. No.	Name of the Produciti-on centre	Name of the Variety	DAC Indent (q)	Actual Allocation as per BSP – I Target (q)	Actual Produ-ction (q)	Surplus (+) Deficit (-) Over Target
1	Almora	CM 128	1.00	1.00	0.45	-0.55
		CM 129	1.00	1.00	0.22	-0.78
		CM 502	0.02	0.02	0.40	+0.38
		VL 16	0.05	0.05	2.00	+1.95
		VL 88	0.05	0.05	0.05	+0.00
		CM 212	0.03	0.03	0.03	+0.00
		CM 141	0.02	0.02	0.02	+0.00
2.	Pantnagar	CM 400	1.98	1.98	3.01	+1.03
		CM 300	0.93	0.93	0.50	-0.43
		CM 600	1.03	1.03	4.91	+3.88
		Naveen	0.60	0.60	4.16	+3.56
		Surya	0.52	0.52	6.53	+6.01
		D-931	0.15	0.15	-	NR
		D-765	0.08	0.08	-	NR
		Gaurav	0.60	0.60	-	NR
		Amar	1.00	1.00	3.00	+2.00
		Shweta	0.40	0.40	-	NR
3	Ludhiana	I- 105	0.05	0.05	0.15	+0.10
		SE-513	0.03	0.03	0.10	+0.07
		CM 122	0.02	0.02	0.10	+0.08
		CM 123	0.02	0.02	0.10	+0.08
		CM 124	0.02	0.02	0.10	+0.08
		CM 125	0.02	0.02	0.10	+0.08

		Ageti 76	0.03	0.03	0.30	+0.27
		Navjot	1.55	1.55	2.50	+0.95
		Vijay	0.80	0.80	1.50	+0.70
		Composite	2.00	2.00	2.00	+0.00
		Kiran	0.21	0.21	0.50	+0.29
		CM 139	0.11	0.11	0.40	+0.29
		CM 140	0.16	0.16	2.50	+2.34
		PARBHAT	0.16	0.16	2.60	+2.46
		MEGHA	1.00	1.00	1.50	+0.50
		J 1006	0.16	0.16	7.00	+6.84
		LM 5	0.08	0.08	6.00	+5.92
		LM 6	0.16	0.16	0.80	+0.64
		LM 9	0.06	0.06	1.00	+ 0.94
		LM 10				
4	Godhra	Gujarat Makka-1	0.07	0.07	0.12	+ 0.05
		Gujarat Makka-2	0.07	0.07	0.21	+0.14
5	Delhi	CM 135	0.10	0.10	0.10	+0.00
		CM 136	0.06	0.06	0.05	-0.01
		CM 137	0.37	0.37	0.20	-0.17
		CM 138	0.19	0.19	0.15	-0.04
		CM 142	0.20	0.20	0.15	-0.05
		CM 213	0.10	0.10	0.20	+0.10
6	Dharwad/ Arbhavi	CM 202	0.39	0.39	0.60	+0.21
		CM 111	0.20	0.20	1.00	+0.80
		CM 500	0.37	0.37	1.20	+0.83
		CM 501	0.23	0.23	0.40	+0.17
		KDMI-4	0.24	0.24	1.00	+0.76
		KDMI-10	0.12	0.12	1.00	+0.88
		DMH –2	0.18	0.18	1.00	+0.82
		Female- CI 4				
7	Dholi	P-742	0.07	0.07	0.55	+ 0.48
		Devaki	0.07	0.07	0.70	+0.63
		CML-176	0.08	0.08	R	

		CML-186	0.04	0.04	R	
8	Delhi	NLD-White	5.57	5.57	6.50	+0.93
	DMR	Shakti-1	0.10	0.10	0.50	+0.40
		Kisan	0.20	0.20	0.25	-0.05
9	Hyderaba	CM 120	0.47	0.47	0.35	-0.12
	d	CM 118	0.43	0.43	0.35	-0.08
		CM 119	1.02	1.02	0.80	-0.22
		CM 208	0.11	0.11	0.11	0.00
		CM 211	0.63	0.63	0.50	-0.13
		CM 131	0.43	0.43	-	NR
		CM 132	0.12	0.12	0.10	-0.02
		CM 133	0.05	0.05	0.07	+0.02
10	Kanpur	Azad Uttam	0.20	0.20	1.70	+1.50
11	Srinagar	C 6	0.10	0.10	1.50	+1.40
		C 15	0.10	0.10	0.12	+0.02
		Super I	0.10	0.10	0.12	+0.02
		C 8	0.10	0.10	0.10	+0.00
12	Udaipur	Mahi	0.20	0.20	1.10	-0.10
		Dhawal	0.15	0.15	1.05	+0.90
		Aravali-1	0.15	0.15	0.90	+0.75
		Mahi				
		Kanchan				
	Total		29.34	29.34	79.28	-

R - Production being taken in *Rabi*

NR – Data not reported

BREEDING

TABLE NO.	C O N T E N T S	PAGE NO.
	CO - ORDINATED TRIALS	
1	PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT AMBIKAPUR, GANGAKAVERI HYDERABAD, KARIMNAGAR, MONSANTO BANGALORE, POC BANGALORE, PROAGRO BANGALORE, COIMBATORE, UDAIPUR, GODHRA, CHHINDIWARA IN TRIAL No. TR61A DURING KHARIF (2002).	1 - 23
2	PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA, AMBIKAPUR, HYDERABAD, GANGAKAVERI HYDERABAD, KARIMNAGAR, MONSANTO BANGALORE, POC BANGALORE, PROAGRO BANGALORE, COIMBATORE, UDAIPUR, CHHINDIWARA IN IET, TRIAL No. TR61B DURING KHARIF (2002).	24 - 47
3	PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, VARANASI, AMBIKAPUR, HYDERABAD, ARBHAVI, POC BANGALORE, MONSANTO BANGALORE, MANDYA, COIMBATORE, MAHABEEJ YEOTA, UDAIPUR, BANSWARA, GODHRA, IN IET, TRIAL No. TR62A DURING KHARIF (2002).	48 - 77
4	PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, DELHI, LUDHIANA, KARNAL, VARANASI, DHOLI, AMBIKAPUR, KARIMNAGAR, ARBHAVI, MONSANTO BANGALORE, MANDYA, COIMBATORE, SYNGENTA AURANGABAD, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR62B DURING KHARIF (2002).	78 - 104
5	PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, VARANASI, AMBIKAPUR, ARBHAVI, MONSANTO BANGALORE, PROAGRO BANGALORE, MANDYA, COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA, IN TRIAL No. TR63A DURING KHARIF (2002).	105 - 135
6	PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, DELHI, KARNAL, PANTNAGAR, VARANASI, DHOLI, AMBIKAPUR, ARBHAVI, MONSANTO BANGALORE, PROAGRO BANGALORE, MANDYA, COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN IET, TRIAL No. TR63B DURING KHARIF (2002).	136 - 164
7	PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT ALMORA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, BELIPAR GORAKHPUR, VARANASI, DHOLI, RANCHI, JASHIPUR, AMBIKAPUR, ARBHAVI, PROAGRO BANGALORE, MANDYA, COIMBATORE, KOLHAPUR, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR64 DURING KHARIF (2002).	165 - 197

TABLE NO.	C O N T E N T S	PAGE NO.

TABLE NO.	C O N T E N T S	PAGE NO.

TABLE NO.	C O N T E N T S	PAGE NO.

TABLE NO.	C O N T E N T S	PAGE NO.

TABLE NO. 1

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT AMBIKAPUR, GANGAKAVERI HYDERABAD, KARIMNAGAR, MONSANTO BANGALORE, POC BANGALORE, PROAGRO BANGALORE, COIMBATORE, UDAIPUR, GODHRA, CHHINDIWARA IN TRIAL No. TR61A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 3 AMBI	R	HYDE GANG	R	KARI	R	BANG MONS	R	BANG POCB	R	BANG PROA	R	COIM	R	ZN 4 MEAN	R
1	J H - 10521	4658	28	7014	4	5516	15	7412	6	9562	14	7383	17	5381	21	7045	18
2	U M H - 39	5058	26	6795	12	5622	10	5873	25	8833	21	5462	28	5368	22	6326	26
3	B H - 2355	6673	11	6747	15	5846	6	6030	23	10816	8	9072	3	5186	26	7283	13
4	B H - 2358	4983	27	6839	11	5604	13	5470	28	9690	13	10014	1	5747	19	7227	16
5	B H - 2523	5789	21	7006	5	5745	8	5507	27	9176	18	8266	10	6595	8	7049	17
6	B H - 2528	6259	16	6884	10	5725	9	6688	14	11415	5	9013	4	6926	7	7775	2
7	H K H - 1193	4212	29	6492	24	6944	3	5767	26	6268	29	-		4841	28	6062	29
8	101501 x 101505	5513	23	6411	27	5158	21	7346	7	9749	12	6578	22	6061	15	6884	20
9	101502 x 101505	7082	8	6311	28	5281	18	6070	22	8528	24	6030	27	6978	6	6533	24
10	101503 x 101522	7223	6	6511	23	5129	23	5970	24	9027	20	6071	26	9202	1	6985	19
11	X 1231 H	8259	3	6946	6	7032	2	9212	1	9401	16	8484	8	5309	24	7731	3
12	M C H - 1	6376	15	6572	21	5618	11	6835	12	11262	7	8534	6	6516	10	7556	6
13	M C H - 3	6231	17	7028	2	4633	28	7327	8	11544	4	8336	9	8548	3	7903	1
14	VIPL 1804	6464	14	6792	13	4673	27	6716	13	7811	26	6871	20	5918	17	6463	25
15	X - 2125	8202	4	7123	1	6377	5	7293	9	8671	23	7707	15	6275	12	7241	15
16	SEEDTEC -C 12	6202	18	7018	3	7391	1	6240	20	11290	6	8968	5	5277	25	7697	4
17	BISCO - 167	5457	24	6735	18	4623	29	7998	4	9558	15	7803	14	8012	4	7455	10
18	P A C 71061	6655	12	6737	17	4920	25	8215	3	12124	1	7434	16	5712	20	7524	7
19	ROBUST	6109	19	6935	8	5610	12	8352	2	10423	10	8520	7	4919	27	7460	9
20	N E C H - 118	6488	13	6465	25	5150	22	7036	11	11689	3	9572	2	6023	16	7656	5

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 3 AMBI	R	HYDE GANG	R	KARI	R	BANG MONS	R	BANG POCB	R	BANG PROA	R	COIM	R	ZN 4 MEAN	R
21	FILLER	7202	7	6788	14	5297	17	6365	19	8368	25	6453	24	7188	5	6743	21
22	J K M H - 951	8717	1	6939	7	5198	20	6194	21	11925	2	8128	13	6595	9	7496	8
23	A A M H - 441	5786	22	6562	22	5221	19	6519	16	9044	19	7266	18	5352	23	6660	23
24	G K - 3046	6819	9	6602	20	5840	7	6662	15	8674	22	6128	25	6107	14	6669	22
25	PRUDWI - 116	5095	25	6929	9	5522	14	7084	10	9250	17	6575	23	8573	2	7322	11
	CHECKS:																
26	P R O - 311	7951	5	6418	26	6933	4	6409	18	9927	11	8166	12	5905	18	7293	12
27	DECCAN - 103	6762	10	6746	16	4836	26	5359	29	6286	28	6675	21	6512	11	6069	28
28	B I O - 9681	8316	2	6702	19	5441	16	7832	5	10647	9	8258	11	4596	29	7246	14
29	GANGA - 11	6093	20	5720	29	4936	24	6518	17	7280	27	7005	19	6133	13	6265	27
	MEAN YIELD=	6436		6716		5580		6769		9594		7406		6267		7055	
	MEAN STAND	31		39		40		39		33		31		37		37	
	C.D. AT 5%=	1502		722		1326		1691		2472		1130		697		1339	
	C.V. % =	16.60		7.65		16.91		17.77		15.76		9.00		7.91		-	
	F (Prob)	.000		.283		.000		.000		.000		.000		.000		-	
	PLOT SIZE=	7.50		6.00		7.50		7.50		4.80		5.53		7.50		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	8-07		14-07		23-07		16-07		7-07		18-07		12-07		-	
	HARVEST DATE(2002)	-		1-11		13-11		16-11		5-12		15-11		5-11		-	
	IRRIGATION Nos	-		3		4		-		6		-		8		-	
	FERTILIZER APPLIED N	100		120		120		-		120		150		135		-	
	P	50		60		60		-		60		60		63		-	
	K	25		40		30		-		40		40		50		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 28.7% : LUDH 21.8% : HYDE 23.9% : NAGA 24.4% : KOLH 24.5% : SYNG 27.7%

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE									
		UDAI	R	GODH	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
1	J H - 10521	6630	17	2861	21	6247	6	5246	15	6266	18
2	U M H - 39	4811	28	2872	19	3017	29	3567	28	5371	28
3	B H - 2355	8577	1	3794	4	5960	8	6110	1	6870	8
4	B H - 2358	6320	18	3650	6	6423	4	5465	10	6474	16
5	B H - 2523	8531	2	3990	2	5103	15	5874	2	6571	14
6	B H - 2528	7859	5	4442	1	5152	14	5818	4	7036	2
7	H K H - 1193	1977	29	3290	11	4731	19	3333	29	4947	29
8	101501 x 101505	6183	21	2730	25	3669	27	4194	24	5940	23
9	101502 x 101505	6243	20	3056	12	4450	20	4583	20	6003	22
10	101503 x 101522	4968	27	2525	28	5248	12	4247	23	6187	21
11	X 1231 H	7786	7	2865	20	4314	21	4988	17	6961	3
12	M C H - 1	7040	13	3800	3	5051	16	5297	13	6760	11
13	M C H - 3	6882	15	2967	18	7617	1	5822	3	7111	1
14	VIPL 1804	5378	24	2848	22	3655	28	3960	27	5713	25
15	X - 2125	7946	4	2989	16	5427	11	5454	11	6801	10
16	SEEDTEC -C 12	8324	3	3307	9	4801	18	5477	9	6882	7
17	BISCO - 167	6720	16	3007	13	7190	3	5639	7	6710	12
18	P A C 71061	5935	22	2532	27	5771	10	4746	19	6604	13
19	ROBUST	6964	14	3007	14	7196	2	5722	5	6803	9
20	N E C H - 118	7535	9	2662	26	6262	5	5486	8	6888	5

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	GODH	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
21	FILLER	7590	8	3381	8	3805	26	4925	18	6243	19
22	J K M H - 951	7217	11	3506	7	5032	17	5252	14	6945	4
23	A A M H - 441	6314	19	2320	29	4200	22	4278	22	5858	24
24	G K - 3046	7045	12	2823	23	5174	13	5014	16	6187	20
25	PRUDWI - 116	7257	10	2970	17	5947	9	5391	12	6520	15
	CHECKS:										
26	P R O - 311	7854	6	3292	10	5964	7	5703	6	6882	6
27	DECCAN - 103	5335	25	3002	15	3928	24	4088	26	5544	27
28	B I O - 9681	5179	26	3791	5	3913	25	4294	21	6467	17
29	GANGA - 11	5685	23	2743	24	3931	23	4120	25	5604	26
	MEAN YIELD=	6624		3139		5144		4969		6367	
	MEAN STAND	31		27		30		29		34	
	C.D. AT 5%=	481		716		930		709		1167	
	C.V. % =	5.16		16.24		8.82		-		-	
	F (Prob)	.000		.000		.000		-		-	
	PLOT SIZE=	6.00		6.00		6.00		-		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	10-07		8-07		25-07		-		-	
	HARVEST DATE(2002)	21-10		11-10		15-11		-		-	
	IRRIGATION Nos	2		-		-		-		-	
	FERTILIZER APPLIED N	120		100		120		-		-	
	P	60		50		60		-		-	
	K	-		-		40		-		-	

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P R O - 311 ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN
1	J H - 10521	-	9.28	-	15.64	-	-	-	-
2	U M H - 39	-	5.88	-	-	-	-	-	-
3	B H - 2355	-	5.12	-	-	8.96	11.08	-	-
4	B H - 2358	-	6.55	-	-	-	22.62	-	-
5	B H - 2523	-	9.16	-	-	-	1.22	11.67	-
6	B H - 2528	-	7.26	-	4.35	14.99	10.36	17.29	6.61
7	H K H - 1193	-	1.15	0.15	-	-	-	-	-
8	101501 x 101505	-	-	-	14.61	-	-	2.63	-
9	101502 x 101505	-	-	-	-	-	-	18.17	-
10	101503 x 101522	-	1.44	-	-	-	-	55.83	-
11	X 1231 H	3.87	8.23	1.42	43.73	-	3.89	-	6.00
12	M C H - 1	-	2.39	-	6.65	13.44	4.51	10.34	3.60
13	M C H - 3	-	9.50	-	14.31	16.28	2.08	44.76	8.35
14	VIPL 1804	-	5.82	-	4.78	-	-	0.22	-
15	X - 2125	3.16	10.98	-	13.79	-	-	6.26	-
16	SEEDTEC -C 12	-	9.35	6.60	-	13.72	9.81	-	5.54
17	BISCO - 167	-	4.94	-	24.78	-	-	35.68	2.21
18	P A C 71061	-	4.97	-	28.18	22.13	-	-	3.16
19	ROBUST	-	8.06	-	30.30	4.99	4.33	-	2.28
20	N E C H - 118	-	0.73	-	9.77	17.75	17.21	1.99	4.97
21	FILLER	-	5.76	-	-	-	-	21.71	-
22	J K M H - 951	9.63	8.12	-	-	20.12	-	11.67	2.78
23	A A M H - 441	-	2.24	-	1.71	-	-	-	-
24	G K - 3046	-	2.86	-	3.94	-	-	3.41	-
25	PRUDWI - 116	-	7.96	-	10.52	-	-	45.18	0.40
	CHECKS:								
26	P R O - 311	-	-	-	-	-	-	-	-
27	DECCAN - 103	-	5.11	-	-	-	-	10.27	-
28	B I O - 9681	4.58	4.42	-	22.20	7.25	1.13	-	-
29	GANGA - 11	-	-	-	1.70	-	-	3.85	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P R O - 311 UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	-	-	4.74	-	-
2	U M H - 39	-	-	-	-	-
3	B H - 2355	9.20	15.24	-	7.13	-
4	B H - 2358	-	10.88	7.71	-	-
5	B H - 2523	8.62	21.19	-	3.00	-
6	B H - 2528	0.06	34.91	-	2.00	2.24
7	H K H - 1193	-	-	-	-	-
8	101501 x 101505	-	-	-	-	-
9	101502 x 101505	-	-	-	-	-
10	101503 x 101522	-	-	-	-	-
11	X 1231 H	-	-	-	-	1.14
12	M C H - 1	-	15.42	-	-	-
13	M C H - 3	-	-	27.72	2.08	3.33
14	VIPL 1804	-	-	-	-	-
15	X - 2125	1.17	-	-	-	-
16	SEEDTEC -C 12	5.98	0.45	-	-	-
17	BISCO - 167	-	-	20.56	-	-
18	P A C 71061	-	-	-	-	-
19	ROBUST	-	-	20.66	0.33	-
20	N E C H - 118	-	-	5.01	-	0.09
21	FILLER	-	2.69	-	-	-
22	J K M H - 951	-	6.49	-	-	0.91
23	A A M H - 441	-	-	-	-	-
24	G K - 3046	-	-	-	-	-
25	PRUDWI - 116	-	-	-	-	-
	CHECKS:					
26	P R O - 311	-	-	-	-	-
27	DECCAN - 103	-	-	-	-	-
28	B I O - 9681	-	15.14	-	-	-
29	GANGA - 11	-	-	-	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN
1	J H - 10521	-	3.97	14.05	38.29	52.12	10.60	-	16.07
2	U M H - 39	-	0.73	16.26	9.59	40.52	-	-	4.23
3	B H - 2355	-	0.01	20.87	12.51	72.07	35.90	-	19.99
4	B H - 2358	-	1.38	15.87	2.07	54.15	50.01	-	19.08
5	B H - 2523	-	3.85	18.80	2.75	45.97	23.83	1.27	16.15
6	B H - 2528	-	2.05	18.38	24.80	81.60	35.01	6.37	28.11
7	H K H - 1193	-	-	43.58	7.62	-	-	-	-
8	101501 x 101505	-	-	6.66	37.06	55.09	-	-	13.43
9	101502 x 101505	4.73	-	9.19	13.27	35.66	-	7.16	7.65
10	101503 x 101522	6.82	-	6.05	11.39	43.61	-	41.31	15.09
11	X 1231 H	22.13	2.97	45.40	71.89	49.56	27.09	-	27.38
12	M C H - 1	-	-	16.17	27.54	79.15	27.85	0.06	24.50
13	M C H - 3	-	4.18	-	36.71	83.64	24.88	31.27	30.21
14	VIPL 1804	-	0.68	-	25.31	24.26	2.93	-	6.50
15	X - 2125	21.30	5.59	31.86	36.08	37.95	15.45	-	19.31
16	SEEDTEC -C 12	-	4.04	52.83	16.43	79.60	34.34	-	26.82
17	BISCO - 167	-	-	-	49.23	52.05	16.89	23.04	22.83
18	P A C 71061	-	-	1.72	53.29	92.88	11.37	-	23.97
19	ROBUST	-	2.81	15.99	55.83	65.81	27.63	-	22.91
20	N E C H - 118	-	-	6.49	31.28	85.95	43.40	-	26.14
21	FILLER	6.50	0.62	9.52	18.77	33.11	-	10.38	11.10
22	J K M H - 951	28.91	2.87	7.47	15.57	89.71	21.76	1.27	23.52
23	A A M H - 441	-	-	7.96	21.63	43.87	8.85	-	9.74
24	G K - 3046	0.84	-	20.75	24.31	37.98	-	-	9.88
25	PRUDWI - 116	-	2.71	14.18	32.17	47.16	-	31.66	20.65
	CHECKS:								
26	P R O - 311	17.58	-	43.36	19.59	57.92	22.34	-	20.17
27	DECCAN - 103	-	-	-	-	-	-	-	-
28	B I O - 9681	22.97	-	12.50	46.14	69.37	23.71	-	19.39
29	GANGA - 11	-	-	2.07	21.62	15.81	4.93	-	3.23

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	24.27	-	59.04	28.31	13.02
2	U M H - 39	-	-	-	-	-
3	B H - 2355	60.77	26.36	51.74	49.45	23.91
4	B H - 2358	18.47	21.58	63.54	33.66	16.77
5	B H - 2523	59.91	32.89	29.91	43.69	18.52
6	B H - 2528	47.30	47.93	31.18	42.29	26.91
7	H K H - 1193	-	9.56	20.46	-	-
8	101501 x 101505	15.90	-	-	2.59	7.14
9	101502 x 101505	17.02	1.77	13.31	12.10	8.28
10	101503 x 101522	-	-	33.61	3.88	11.60
11	X 1231 H	45.94	-	9.83	22.01	25.55
12	M C H - 1	31.96	26.56	28.60	29.56	21.94
13	M C H - 3	29.01	-	93.92	42.41	28.27
14	VIPL 1804	0.80	-	-	-	3.04
15	X - 2125	48.94	-	38.18	33.41	22.67
16	SEEDTEC -C 12	56.02	10.15	22.24	33.97	24.13
17	BISCO - 167	25.96	0.16	83.05	37.93	21.03
18	P A C 71061	11.25	-	46.92	16.09	19.11
19	ROBUST	30.53	0.16	83.21	39.97	22.71
20	N E C H - 118	41.24	-	59.44	34.19	24.24
21	FILLER	42.27	12.60	-	20.46	12.61
22	J K M H - 951	35.28	16.77	28.12	28.46	25.27
23	A A M H - 441	18.35	-	6.93	4.63	5.66
24	G K - 3046	32.06	-	31.73	22.65	11.60
25	PRUDWI - 116	36.03	-	51.41	31.87	17.61
	CHECKS:					
26	P R O - 311	47.22	9.65	51.83	39.50	24.13
27	DECCAN - 103	-	-	-	-	-
28	B I O - 9681	-	26.26	-	5.04	16.65
29	GANGA - 11	6.56	-	0.07	0.76	1.09

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE B I O - 9681 ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN
1	J H - 10521	-	4.66	1.38	-	-	-	17.07	-
2	U M H - 39	-	1.39	3.34	-	-	-	16.80	-
3	B H - 2355	-	0.67	7.44	-	1.59	9.85	12.83	0.51
4	B H - 2358	-	2.04	2.99	-	-	21.25	25.05	-
5	B H - 2523	-	4.53	5.60	-	-	0.10	43.48	-
6	B H - 2528	-	2.72	5.22	-	7.22	9.13	50.70	7.30
7	H K H - 1193	-	-	27.62	-	-	-	5.33	-
8	101501 x 101505	-	-	-	-	-	-	31.86	-
9	101502 x 101505	-	-	-	-	-	-	51.83	-
10	101503 x 101522	-	-	-	-	-	-	100.22	-
11	X 1231 H	-	3.64	29.24	17.62	-	2.73	15.51	6.69
12	M C H - 1	-	-	3.26	-	5.78	3.34	41.77	4.28
13	M C H - 3	-	4.86	-	-	8.43	0.94	85.99	9.06
14	VIPL 1804	-	1.34	-	-	-	-	28.77	-
15	X - 2125	-	6.28	17.21	-	-	-	36.53	-
16	SEEDTEC -C 12	-	4.72	35.85	-	6.04	8.59	14.81	6.23
17	BISCO - 167	-	0.50	-	2.11	-	-	74.32	2.88
18	P A C 71061	-	0.52	-	4.89	13.88	-	24.28	3.83
19	ROBUST	-	3.48	3.11	6.63	-	3.17	7.02	2.95
20	N E C H - 118	-	-	-	-	9.79	15.91	31.04	5.66
21	FILLER	-	1.28	-	-	-	-	56.38	-
22	J K M H - 951	4.83	3.54	-	-	12.01	-	43.48	3.45
23	A A M H - 441	-	-	-	-	-	-	16.44	-
24	G K - 3046	-	-	7.33	-	-	-	32.87	-
25	PRUDWI - 116	-	3.39	1.50	-	-	-	86.53	1.05
	CHECKS:								
26	P R O - 311	-	-	27.43	-	-	-	28.48	0.65
27	DECCAN - 103	-	0.66	-	-	-	-	41.68	-
28	B I O - 9681	-	-	-	-	-	-	-	-
29	GANGA - 11	-	-	-	-	-	-	33.43	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD UDAI	% SUPERIORITY OVER THE B I O - 9681 GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	28.02	-	59.64	22.16	-
2	U M H - 39	-	-	-	-	-
3	B H - 2355	65.61	0.08	52.31	42.29	6.22
4	B H - 2358	22.04	-	64.16	27.26	0.10
5	B H - 2523	64.72	5.25	30.40	36.80	1.60
6	B H - 2528	51.74	17.17	31.67	35.47	8.80
7	H K H - 1193	-	-	20.92	-	-
8	101501 x 101505	19.39	-	-	-	-
9	101502 x 101505	20.54	-	13.74	6.72	-
10	101503 x 101522	-	-	34.12	-	-
11	X 1231 H	50.33	-	10.25	16.16	7.63
12	M C H - 1	35.93	0.24	29.09	23.35	4.53
13	M C H - 3	32.89	-	94.66	35.58	9.96
14	VIPL 1804	3.83	-	-	-	-
15	X - 2125	53.42	-	38.70	27.01	5.16
16	SEEDTEC -C 12	60.72	-	22.70	27.55	6.41
17	BISCO - 167	29.75	-	83.74	31.31	3.75
18	P A C 71061	14.60	-	47.48	10.52	2.10
19	ROBUST	34.46	-	83.90	33.26	5.19
20	N E C H - 118	45.49	-	60.04	27.76	6.51
21	FILLER	46.55	-	-	14.69	-
22	J K M H - 951	39.35	-	28.61	22.30	7.38
23	A A M H - 441	21.91	-	7.33	-	-
24	G K - 3046	36.04	-	32.23	16.77	-
25	PRUDWI - 116	40.13	-	51.98	25.55	0.82
	CHECKS:					
26	P R O - 311	51.65	-	52.41	32.81	6.41
27	DECCAN - 103	3.01	-	0.38	-	-
28	B I O - 9681	-	-	-	-	-
29	GANGA - 11	9.76	-	0.45	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN
1	J H - 10521	-	22.61	11.73	13.71	31.35	5.40	-	12.44
2	U M H - 39	-	18.79	13.90	-	21.34	-	-	0.96
3	B H - 2355	9.52	17.95	18.42	-	48.58	29.50	-	16.24
4	B H - 2358	-	19.55	13.52	-	33.11	42.95	-	15.35
5	B H - 2523	-	22.47	16.39	-	26.05	18.01	7.53	12.51
6	B H - 2528	2.73	20.34	15.97	2.61	56.81	28.66	12.94	24.10
7	H K H - 1193	-	13.49	40.66	-	-	-	-	-
8	101501 x 101505	-	12.08	4.50	12.70	33.92	-	-	9.87
9	101502 x 101505	16.23	10.32	6.98	-	17.15	-	13.79	4.27
10	101503 x 101522	18.54	13.82	3.90	-	24.00	-	50.05	11.48
11	X 1231 H	35.54	21.43	42.45	41.33	29.15	21.11	-	23.39
12	M C H - 1	4.64	14.88	13.81	4.87	54.70	21.84	6.25	20.60
13	M C H - 3	2.27	22.86	-	12.40	58.57	19.01	39.39	26.13
14	VIPL 1804	6.09	18.73	-	3.03	7.30	-	-	3.16
15	X - 2125	34.62	24.52	29.19	11.89	19.12	10.02	2.32	15.57
16	SEEDTEC -C 12	1.79	22.69	49.73	-	55.08	28.02	-	22.85
17	BISCO - 167	-	17.74	-	22.70	31.29	11.40	30.65	18.98
18	P A C 71061	9.22	17.77	-	26.04	66.55	6.13	-	20.09
19	ROBUST	0.25	21.24	13.64	28.13	43.18	21.63	-	19.06
20	N E C H - 118	6.48	13.01	4.33	7.94	60.57	36.65	-	22.19
21	FILLER	18.19	18.66	7.30	-	14.94	-	17.20	7.62
22	J K M H - 951	43.06	21.31	5.29	-	63.81	16.03	7.53	19.65
23	A A M H - 441	-	14.71	5.77	0.01	24.23	3.73	-	6.31
24	G K - 3046	11.90	15.41	18.30	2.21	19.15	-	-	6.44
25	PRUDWI - 116	-	21.13	11.87	8.68	27.07	-	39.80	16.87
	CHECKS:								
26	P R O - 311	30.49	12.20	40.45	-	36.37	16.58	-	16.41
27	DECCAN - 103	10.98	17.93	-	-	-	-	6.18	-
28	B I O - 9681	36.47	17.16	10.22	20.16	46.25	17.90	-	15.65
29	GANGA - 11	-	-	-	-	-	-	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	16.63	4.30	58.93	27.34	11.81
2	U M H - 39	-	4.70	-	-	-
3	B H - 2355	50.88	38.30	51.63	48.32	22.58
4	B H - 2358	11.18	33.06	63.43	32.65	15.52
5	B H - 2523	50.07	45.44	29.82	42.60	17.24
6	B H - 2528	38.24	61.91	31.09	41.22	25.55
7	H K H - 1193	-	19.91	20.38	-	-
8	101501 x 101505	8.77	-	-	1.82	5.99
9	101502 x 101505	9.82	11.38	13.23	11.25	7.11
10	101503 x 101522	-	-	33.52	3.09	10.40
11	X 1231 H	36.96	4.43	9.76	21.08	24.20
12	M C H - 1	23.84	38.51	28.51	28.58	20.63
13	M C H - 3	21.07	8.17	93.79	41.33	26.89
14	VIPL 1804	-	3.83	-	-	1.93
15	X - 2125	39.78	8.96	38.08	32.40	21.35
16	SEEDTEC -C 12	46.42	20.55	22.15	32.96	22.79
17	BISCO - 167	18.21	9.62	82.92	36.88	19.73
18	P A C 71061	4.41	-	46.82	15.21	17.83
19	ROBUST	22.50	9.62	83.09	38.91	21.39
20	N E C H - 118	32.55	-	59.33	33.18	22.91
21	FILLER	33.51	23.24	-	19.55	11.40
22	J K M H - 951	26.96	27.79	28.04	27.49	23.92
23	A A M H - 441	11.07	-	6.85	3.84	4.53
24	G K - 3046	23.94	2.92	31.64	21.72	10.40
25	PRUDWI - 116	27.66	8.27	51.31	30.88	16.34
	CHECKS:					
26	P R O - 311	38.16	20.01	51.73	38.45	22.80
27	DECCAN - 103	-	9.44	-	-	-
28	B I O - 9681	-	38.18	-	4.24	15.40
29	GANGA - 11	-	-	-	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	GODH	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	58.3	51.3	57.5	56.8	68.3	58.0	57.3	58.2	56.0	60.5	58.3	58.2
2	U M H - 39	55.8	50.8	58.0	58.0	68.3	57.0	54.5	57.8	54.8	58.5	56.6	57.3
3	B H - 2355	59.8	53.3	59.3	58.8	71.7	60.0	57.3	60.0	57.5	60.5	59.0	59.8
4	B H - 2358	60.8	52.3	59.0	58.8	72.3	60.3	58.5	60.2	54.0	55.5	54.8	59.0
5	B H - 2523	60.3	51.3	60.0	58.8	73.0	61.3	60.0	60.7	57.8	59.5	58.6	60.2
6	B H - 2528	58.5	50.3	58.3	58.8	72.0	60.3	55.0	59.1	58.0	60.5	59.3	59.1
7	H K H - 1193	58.3	57.8	61.3	59.0	75.7	-	62.0	63.1	60.5	58.8	59.6	61.6
8	101501 x 101505	56.0	50.8	57.5	56.5	70.7	57.7	56.3	58.2	54.8	59.5	57.1	57.7
9	101502 x 101505	56.5	51.0	57.8	57.5	68.3	58.3	57.3	58.4	53.0	57.5	55.3	57.5
10	101503 x 101522	58.3	51.5	59.0	58.3	72.7	60.0	59.0	60.1	56.8	60.5	58.6	59.5
11	X 1231 H	58.5	52.3	58.8	58.3	70.7	60.0	58.5	59.7	56.3	60.5	58.4	59.3
12	M C H - 1	57.8	52.3	60.3	58.5	71.7	59.0	58.0	59.9	56.3	60.5	58.4	59.4
13	M C H - 3	57.8	52.5	59.3	58.0	71.7	59.3	58.3	59.8	55.8	60.5	58.1	59.2
14	VIPL 1804	55.5	50.3	60.5	55.5	69.7	58.3	55.0	58.2	54.3	55.5	54.9	57.2
15	X - 2125	54.5	50.0	59.0	55.8	67.0	55.7	57.3	57.4	53.3	56.5	54.9	56.5
16	SEEDTEC -C 12	58.0	51.8	58.3	59.3	70.7	59.0	59.3	59.7	57.0	60.5	58.8	59.3
17	BISCO - 167	59.3	51.0	59.5	57.8	70.0	59.3	58.5	59.3	56.3	60.8	58.5	59.1
18	P A C 71061	57.3	51.8	58.5	58.0	72.0	60.7	58.8	59.9	56.0	60.5	58.3	59.3
19	ROBUST	58.0	50.0	58.0	56.5	68.0	56.0	56.8	57.5	53.8	55.5	54.6	56.9
20	N E C H - 118	60.5	53.5	61.5	59.5	73.7	61.7	59.0	61.5	56.8	60.8	58.8	60.8
21	FILLER	53.8	50.5	58.3	56.8	69.0	55.3	54.5	57.4	51.5	55.5	53.5	56.1
22	J K M H - 951	54.5	51.3	59.0	56.3	68.0	57.7	58.3	58.4	54.0	55.5	54.8	57.2
23	A A M H - 441	56.0	52.0	58.0	57.3	68.3	58.3	56.3	58.4	54.0	58.5	56.3	57.6
24	G K - 3046	54.8	51.3	59.3	56.3	69.7	58.3	57.3	58.7	55.3	55.5	55.4	57.5
25	PRUDWI - 116	57.3	49.8	57.0	55.5	66.7	56.0	53.3	56.4	52.8	58.5	55.6	56.3
	CHECKS:												
26	P R O - 311	53.8	51.3	58.8	57.0	69.7	59.0	57.3	58.8	56.3	60.5	58.4	58.2
27	DECCAN - 103	55.5	49.3	57.0	56.0	66.3	54.7	54.0	56.2	52.5	57.5	55.0	55.9
28	B I O - 9681	53.3	48.3	58.0	55.5	66.3	55.3	54.0	56.2	51.3	54.5	52.9	55.2
29	GANGA - 11	56.0	51.0	60.5	57.0	70.7	59.0	56.3	59.1	56.8	54.8	55.8	58.0
	MEAN LOCATION	57.0	51.4	58.9	57.4	70.1	58.4	57.1	58.9	55.3	58.4	56.8	58.2
	C.D. AT 5%=	2.5	0.7	2.2	1.1	2.2	1.5	0.7	1.4	1.3	0.6	0.9	-
	C.V. % =	3.2	1.0	2.7	1.3	1.9	1.6	0.9	-	1.6	0.7	-	-
	F (Prob)	.000	.000	.003	.000	.000	.000	.000	-	.000	.000	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	62.5	52.5	62.0	57.8	72.0	60.7	59.3	60.7	57.8	66.5	55.0	59.8	60.6
2	U M H - 39	60.8	52.3	61.3	59.0	71.7	58.3	56.8	59.9	56.5	64.8	55.0	58.8	59.6
3	B H - 2355	63.8	53.8	63.0	60.0	74.3	61.7	60.0	62.1	59.0	64.8	56.0	59.9	61.6
4	B H - 2358	65.3	53.5	63.3	59.8	72.7	61.0	60.3	61.7	56.8	60.5	55.5	57.6	60.8
5	B H - 2523	65.0	52.0	63.3	60.5	74.7	62.3	62.3	62.5	59.0	64.5	56.5	60.0	62.0
6	B H - 2528	63.3	51.3	61.3	60.3	74.7	61.3	58.8	61.3	59.3	66.0	59.0	61.4	61.5
7	H K H - 1193	62.5	59.5	63.3	60.8	77.3	-	65.3	65.2	62.3	64.5	60.0	62.3	63.9
8	101501 x 101505	60.3	51.8	60.3	57.5	73.0	60.0	60.0	60.4	57.3	65.5	55.5	59.4	60.1
9	101502 x 101505	61.5	51.8	61.3	58.5	72.0	59.3	59.3	60.3	55.3	63.5	53.0	57.3	59.5
10	101503 x 101522	63.3	52.5	63.0	59.3	75.7	62.0	62.0	62.4	58.0	65.5	57.0	60.2	61.8
11	X 1231 H	63.5	53.3	61.5	59.3	73.3	61.0	61.3	61.6	58.0	65.5	58.5	60.7	61.5
12	M C H - 1	63.3	53.3	63.3	59.8	73.3	60.7	61.3	61.9	58.3	65.5	59.0	60.9	61.8
13	M C H - 3	62.8	53.5	62.8	59.3	73.7	61.3	61.3	62.0	57.3	65.5	55.0	59.3	61.2
14	VIPL 1804	60.8	52.0	62.8	56.5	73.7	59.7	59.0	60.6	56.5	62.0	55.0	57.8	59.8
15	X - 2125	59.5	51.0	62.0	56.8	71.7	59.0	59.3	59.9	55.8	62.0	55.0	57.6	59.2
16	SEEDTEC -C 12	62.8	53.0	61.8	60.3	72.3	60.7	61.8	61.6	58.3	65.8	56.0	60.0	61.3
17	BISCO - 167	64.0	52.0	62.8	59.0	71.7	60.7	60.5	61.1	58.3	66.8	55.0	60.0	61.1
18	P A C 71061	62.0	52.8	61.3	59.3	72.0	62.3	61.8	61.6	57.3	65.5	55.5	59.4	61.0
19	ROBUST	62.5	51.8	61.5	57.5	71.7	59.0	59.3	60.1	56.5	61.5	53.5	57.2	59.5
20	N E C H - 118	65.0	54.5	63.5	60.8	76.7	63.0	61.8	63.4	58.3	65.8	58.0	60.7	62.7
21	FILLER	58.0	51.5	61.8	57.8	70.7	58.3	56.5	59.4	53.0	61.5	52.5	55.7	58.2
22	J K M H - 951	58.8	52.0	61.8	57.3	72.0	59.0	61.8	60.6	56.3	61.5	55.0	57.6	59.5
23	A A M H - 441	61.0	53.0	61.8	58.3	72.0	60.3	58.8	60.7	56.8	64.8	56.0	59.2	60.3
24	G K - 3046	60.5	52.3	62.3	57.3	72.7	59.7	59.8	60.6	57.8	61.5	53.0	57.4	59.7
25	PRUDWI - 116	61.5	50.8	60.8	56.5	69.3	56.7	55.3	58.2	55.0	64.5	52.0	57.2	58.2
	CHECKS:													
26	P R O - 311	58.8	53.0	61.8	58.0	71.0	59.0	59.5	60.4	57.8	66.3	55.0	59.7	60.0
27	DECCAN - 103	60.0	50.5	61.8	57.0	67.7	57.7	57.0	58.6	54.3	63.5	55.0	57.6	58.4
28	B I O - 9681	58.8	49.5	62.0	56.5	67.3	55.3	56.5	57.9	53.0	59.5	48.5	53.7	56.7
29	GANGA - 11	60.5	52.3	63.5	58.0	73.7	62.0	60.0	61.6	58.8	60.8	58.0	59.2	60.7
	MEAN LOCATION	61.8	52.5	62.1	58.6	72.6	60.1	59.9	60.9	57.2	64.0	55.4	58.9	60.4
	C.D. AT 5%=	2.8	0.8	1.8	1.2	2.7	1.6	0.9	1.5	1.2	1.0	2.1	1.4	-
	C.V. % =	3.2	1.1	2.0	1.4	2.3	1.6	1.1	-	1.5	1.1	1.8	-	-
	F (Prob)	.000	.000	.011	.000	.000	.000	.000	-	.000	.000	.000	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 3 AMBI	ZN 3 KARI	ZN 3 BANG	ZN 3 MONS	ZN 3 COIM	ZN 4 MEAN	ZN 4 UDAI	ZN 4 GODH	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	109.3	92.5	109.3	104.0	101.9	89.8	85.0	87.4	98.3	
2	U M H - 39	106.0	92.0	111.0	100.5	101.2	87.8	82.3	85.0	96.6	
3	B H - 2355	109.8	94.0	111.8	107.3	104.3	94.3	83.5	88.9	100.1	
4	B H - 2358	110.5	93.0	111.8	102.5	102.4	90.8	79.5	85.1	98.0	
5	B H - 2523	108.3	93.5	112.3	108.3	104.7	93.0	82.5	87.8	99.6	
6	B H - 2528	107.3	93.8	111.8	105.3	103.6	94.0	83.0	88.5	99.2	
7	H K H - 1193	108.5	91.3	112.5	109.8	104.5	88.5	82.3	85.4	98.8	
8	101501 x 101505	107.0	91.8	108.3	103.0	101.0	92.3	82.5	87.4	97.5	
9	101502 x 101505	106.0	91.5	110.3	100.5	100.8	91.3	81.5	86.4	96.8	
10	101503 x 101522	106.3	91.0	111.3	107.0	103.1	87.3	82.5	84.9	97.5	
11	X 1231 H	106.5	93.3	111.0	106.0	103.4	92.3	82.5	87.4	98.6	
12	M C H - 1	107.3	93.0	111.8	107.3	104.0	92.5	82.5	87.5	99.0	
13	M C H - 3	107.0	93.3	110.8	102.5	102.2	93.3	83.5	88.4	98.4	
14	VPL 1804	108.8	92.8	107.5	104.5	101.6	88.5	79.8	84.1	97.0	
15	X - 2125	107.5	93.3	108.0	103.8	101.7	90.5	79.0	84.8	97.0	
16	SEEDTEC -C 12	108.5	93.5	112.3	106.0	103.9	94.0	83.5	88.8	99.6	
17	BISCO - 167	109.8	93.3	110.3	105.3	102.9	92.5	83.8	88.1	99.1	
18	P A C 71061	108.5	93.3	111.3	106.8	103.8	89.3	82.5	85.9	98.6	
19	ROBUST	107.8	91.5	108.8	104.5	101.6	90.5	79.5	85.0	97.1	
20	N E C H - 118	107.3	93.3	112.8	105.3	103.8	91.8	82.8	87.3	98.8	
21	FILLER	108.8	92.0	109.0	101.0	100.7	92.3	79.5	85.9	97.1	
22	J K M H - 951	109.5	92.3	108.3	104.0	101.5	88.3	79.5	83.9	97.0	
23	A A M H - 441	108.8	91.5	110.3	104.3	102.0	89.8	81.5	85.6	97.7	
24	G K - 3046	104.3	92.8	109.0	105.3	102.3	92.8	79.5	86.1	97.3	
25	PRUDWI - 116	108.5	92.8	107.5	100.0	100.1	93.0	81.5	87.3	97.2	
	CHECKS:										
26	P R O - 311	108.5	92.3	110.3	105.8	102.8	90.5	82.3	86.4	98.3	
27	DECCAN - 103	106.5	90.5	107.8	102.0	100.1	90.3	81.5	85.9	96.4	
28	B I O - 9681	107.8	91.8	107.3	103.0	100.7	85.8	77.5	81.6	95.5	
29	GANGA - 11	108.8	91.8	109.5	102.8	101.3	90.5	79.8	85.1	97.2	
	MEAN LOCATION	107.9	92.5	110.1	104.4	102.3	90.9	81.6	86.3	97.9	
	C.D. AT 5%=	1.9	2.0	1.6	1.4	1.6	2.1	0.6	1.3	-	
	C.V. % =	1.3	1.5	1.0	1.0	-	1.6	0.5	-	-	
	F (Prob)	.000	.034	.000	.000	-	.000	.000	-	-	

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST HYDE GANG	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	GODH	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	16.8	25.0	23.8	29.6	15.6	22.2	19.1	21.5	20.3	21.6
2	U M H - 39	16.8	25.3	17.7	26.9	16.8	20.7	16.2	19.8	18.0	19.9
3	B H - 2355	16.6	26.4	24.6	31.6	16.0	23.0	18.1	17.0	17.5	21.5
4	B H - 2358	17.0	29.4	22.1	31.9	17.8	23.6	18.8	16.8	17.8	21.9
5	B H - 2523	16.3	27.8	24.1	32.5	16.4	23.4	18.6	18.3	18.5	22.0
6	B H - 2528	16.8	26.0	23.2	29.9	16.4	22.4	19.8	17.8	18.8	21.4
7	H K H - 1193	17.3	27.9	23.8	-	15.8	21.2	19.0	19.5	19.2	20.5
8	101501 x 101505	17.0	27.0	21.5	29.5	17.2	22.4	18.2	17.3	17.7	21.1
9	101502 x 101505	16.3	25.3	20.9	28.4	17.3	21.6	19.0	18.0	18.5	20.7
10	101503 x 101522	17.1	27.5	19.7	29.4	16.9	22.1	16.3	19.5	17.9	20.9
11	X 1231 H	17.3	27.0	20.4	28.2	15.4	21.6	16.3	17.5	16.9	20.3
12	M C H - 1	16.8	27.5	26.4	30.9	16.3	23.6	18.8	20.8	19.8	22.5
13	M C H - 3	17.0	29.1	26.2	31.9	17.3	24.3	19.7	16.0	17.8	22.4
14	VIPL 1804	16.9	25.5	20.2	29.9	16.1	21.7	16.3	15.3	15.8	20.0
15	X - 2125	17.4	27.0	24.7	31.6	15.9	23.3	18.0	17.0	17.5	21.7
16	SEEDTEC -C 12	17.4	28.0	23.9	31.2	17.0	23.5	18.9	20.8	19.8	22.4
17	BISCO - 167	17.1	28.2	24.6	31.4	16.4	23.5	19.5	21.0	20.3	22.6
18	P A C 71061	16.8	26.5	24.5	28.1	15.6	22.3	17.0	17.5	17.3	20.9
19	ROBUST	17.4	26.9	22.5	30.1	17.3	22.9	17.9	16.0	17.0	21.2
20	N E C H - 118	16.3	25.4	24.7	31.9	16.2	22.9	17.1	17.5	17.3	21.3
21	FILLER	17.1	26.8	21.0	31.6	16.9	22.7	18.3	19.5	18.9	21.6
22	J K M H - 951	17.1	27.6	22.9	28.9	16.1	22.5	18.0	19.8	18.9	21.5
23	A A M H - 441	16.8	27.5	22.7	31.7	15.6	22.9	18.1	19.3	18.7	21.7
24	G K - 3046	17.8	27.5	20.6	32.3	15.6	22.8	17.2	17.8	17.5	21.2
25	PRUDWI - 116	17.8	26.6	19.8	30.9	16.9	22.4	19.8	19.8	19.8	21.6
	CHECKS:										
26	P R O - 311	17.0	28.3	22.9	30.3	17.0	23.1	17.8	19.8	18.8	21.9
27	DECCAN - 103	16.8	27.0	20.6	29.5	16.6	22.1	17.0	17.3	17.1	20.7
28	B I O - 9681	17.6	25.9	19.9	28.1	16.5	21.6	19.6	18.8	19.2	20.9
29	GANGA - 11	16.5	26.7	21.5	27.5	17.4	21.9	16.8	17.5	17.2	20.6
	MEAN LOCATION	17.0	27.0	22.5	30.2	16.5	22.6	18.1	18.4	18.3	21.4
	C.D. AT 5%=	0.7	2.8	2.6	2.2	0.7	1.8	0.5	0.8	0.6	-
	C.V. % =	2.8	7.4	7.0	4.4	3.0	-	1.9	3.1	-	-
	F (Prob)	.000	.221	.000	.000	.000	-	.000	.000	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * KARI	BANG POCB	COIM	ZN 4 MEAN	UDAI	GODH	ZN 5 MEAN	OV'L MEAN	EAR ASPECT * KARI	BANG MONS	BANG POCB	COIM	ZN 4 MEAN
1	J H - 10521	2.3	2.0	2.0	2.1	2.3	2.8	2.5	2.3	2.0	1.8	2.2	1.0	1.7
2	U M H - 39	3.3	2.7	2.0	2.6	2.8	2.8	2.8	2.7	1.8	1.0	2.3	1.5	1.6
3	B H - 2355	3.0	2.0	2.0	2.3	2.0	2.8	2.4	2.4	1.8	1.5	1.8	3.0	2.0
4	B H - 2358	2.8	2.5	2.0	2.4	2.2	3.0	2.6	2.5	2.0	1.8	2.3	1.8	2.0
5	B H - 2523	2.8	2.3	1.5	2.2	1.9	2.8	2.3	2.2	1.5	1.8	1.8	1.5	1.6
6	B H - 2528	2.0	2.2	1.8	2.0	2.0	2.8	2.4	2.1	1.8	1.3	1.8	1.8	1.6
7	H K H - 1193	2.8	2.3	2.0	2.4	3.3	3.0	3.2	2.7	2.3	1.5	2.2	2.8	2.2
8	101501 x 101505	3.3	2.2	1.8	2.4	2.8	3.3	3.0	2.7	2.3	1.5	2.2	1.3	1.8
9	101502 x 101505	3.0	2.3	2.0	2.4	2.5	3.0	2.7	2.6	2.5	1.5	2.8	2.0	2.2
10	101503 x 101522	2.8	2.2	1.3	2.1	2.4	2.8	2.6	2.3	2.3	1.5	2.2	1.0	1.7
11	X 1231 H	3.0	2.0	2.0	2.3	2.0	2.8	2.3	2.3	2.3	1.0	2.3	1.8	1.8
12	M C H - 1	3.3	2.0	2.3	2.5	2.5	2.5	2.5	2.5	1.8	1.3	1.8	2.3	1.8
13	M C H - 3	2.8	2.0	2.0	2.3	2.3	3.0	2.7	2.4	2.0	1.0	1.5	3.0	1.9
14	VIPL 1804	3.0	2.7	1.8	2.5	2.6	2.8	2.7	2.5	1.8	2.3	3.2	1.0	2.0
15	X - 2125	2.5	2.8	2.0	2.4	2.4	2.8	2.6	2.5	2.3	1.0	2.8	1.5	1.9
16	SEEDTEC -C 12	2.5	1.7	1.8	2.0	2.5	2.3	2.3	2.1	1.3	1.3	2.0	1.3	1.4
17	BISCO - 167	3.3	1.8	2.0	2.4	2.1	2.8	2.4	2.4	2.3	1.0	1.8	3.0	2.0
18	P A C 71061	2.8	1.8	1.8	2.1	3.0	2.8	2.9	2.4	1.3	1.0	1.7	1.5	1.4
19	ROBUST	3.0	2.5	2.3	2.6	2.3	3.3	2.8	2.7	1.8	1.3	2.3	2.0	1.8
20	N E C H - 118	3.0	1.8	2.0	2.3	2.2	2.6	2.4	2.3	1.3	1.0	1.7	1.8	1.4
21	FILLER	3.3	2.7	2.0	2.6	2.4	2.3	2.3	2.5	2.5	1.8	2.8	2.0	2.3
22	J K M H - 951	2.3	2.3	1.8	2.1	2.5	2.3	2.4	2.2	2.3	1.3	2.7	1.3	1.9
23	A A M H - 441	3.0	2.7	2.0	2.6	2.6	2.8	2.7	2.6	2.5	1.8	2.2	1.5	2.0
24	G K - 3046	3.3	3.0	2.0	2.8	2.4	3.0	2.7	2.7	2.5	1.0	2.7	1.8	2.0
25	PRUDWI - 116	3.0	2.7	2.0	2.6	2.5	2.3	2.4	2.5	2.5	1.5	2.8	2.5	2.3
	CHECKS:													
26	P R O - 311	3.0	2.5	1.8	2.4	2.3	2.8	2.5	2.5	2.3	1.8	2.7	1.5	2.0
27	DECCAN - 103	3.5	3.2	2.0	2.9	2.6	2.5	2.5	2.8	2.8	1.5	3.0	1.3	2.1
28	B I O - 9681	3.3	2.2	1.3	2.2	2.5	2.8	2.6	2.4	2.5	2.0	2.5	1.8	2.2
29	GANGA - 11	2.8	3.7	2.0	2.8	2.7	2.3	2.5	2.7	2.0	1.5	2.8	2.3	2.1
	MEAN LOCATION	2.9	2.4	1.9	2.4	2.4	2.7	2.6	2.5	2.1	1.4	2.3	1.8	1.9
	C.D. AT 5%=	0.8	0.8	0.4	0.7	0.5	0.3	0.4	-	0.9	0.7	0.6	0.8	0.8
	C.V. % =	19.5	20.0	16.2	-	13.4	9.0	-	-	31.5	35.9	15.7	31.4	-
	F (Prob)	.068	.001	.001	-	.000	.000	-	-	.044	.019	.000	.000	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	EAR ASPECT		* ZN 5 MEAN	OV'L MEAN	HUSK COVER			* ZN 4 MEAN			ZN 5 MEAN	OV'L MEAN
		UDAI	GODH			KARI	BANG MONS	COIM		UDAI	GODH		
1	J H - 10521	2.2	2.8	2.5	2.0	1.8	1.5	2.0	1.8	2.4	2.3	2.3	2.0
2	U M H - 39	2.3	2.9	2.6	2.0	2.0	1.0	2.0	1.7	2.7	2.3	2.5	2.0
3	B H - 2355	1.9	2.1	2.0	2.0	2.0	1.0	2.3	1.8	2.2	2.3	2.2	1.9
4	B H - 2358	2.2	2.6	2.4	2.1	2.0	1.0	2.8	1.9	2.3	2.8	2.5	2.2
5	B H - 2523	2.1	2.1	2.1	1.8	2.0	1.0	2.5	1.8	2.0	2.3	2.1	1.9
6	B H - 2528	1.9	2.3	2.0	1.8	2.0	1.0	2.0	1.7	2.2	2.3	2.2	1.9
7	H K H - 1193	4.5	3.1	3.8	2.7	1.8	1.0	2.3	1.7	3.0	2.8	2.9	2.2
8	101501 x 101505	2.2	3.4	2.8	2.1	2.0	1.0	2.0	1.7	2.8	3.3	3.0	2.2
9	101502 x 101505	2.1	3.5	2.8	2.4	1.8	1.0	1.8	1.5	2.3	2.8	2.5	1.9
10	101503 x 101522	2.2	3.3	2.7	2.1	1.5	1.0	2.0	1.5	2.5	2.8	2.6	1.9
11	X 1231 H	2.0	3.6	2.8	2.2	1.8	1.0	1.8	1.5	1.9	1.8	1.8	1.6
12	M C H - 1	1.9	2.4	2.1	1.9	1.5	1.0	1.8	1.4	2.5	2.3	2.3	1.8
13	M C H - 3	2.0	2.8	2.3	2.0	1.3	1.3	2.3	1.6	2.4	2.8	2.6	2.0
14	VIPL 1804	2.2	3.4	2.8	2.3	2.0	2.8	2.0	2.3	2.5	2.3	2.3	2.3
15	X - 2125	2.1	3.5	2.8	2.2	1.5	2.0	1.8	1.8	2.4	2.3	2.3	2.0
16	SEEDTEC -C 12	1.9	2.6	2.3	1.7	1.5	1.0	1.8	1.4	2.5	2.0	2.2	1.7
17	BISCO - 167	2.1	3.0	2.6	2.2	1.5	1.3	2.5	1.8	2.3	2.3	2.3	2.0
18	P A C 71061	2.1	2.8	2.4	1.7	2.0	1.0	1.8	1.6	2.8	2.3	2.5	2.0
19	ROBUST	2.0	2.9	2.5	2.0	1.3	1.8	2.5	1.8	2.5	3.3	2.8	2.2
20	N E C H - 118	1.8	2.5	2.1	1.7	1.8	1.0	1.8	1.5	2.3	2.6	2.5	1.9
21	FILLER	2.2	3.4	2.8	2.4	1.8	2.0	2.8	2.2	2.4	2.3	2.3	2.2
22	J K M H - 951	2.1	3.4	2.7	2.1	1.5	2.3	1.8	1.8	2.6	2.3	2.4	2.1
23	A A M H - 441	2.0	3.4	2.7	2.2	2.3	1.5	1.8	1.8	2.5	2.3	2.4	2.0
24	G K - 3046	2.2	3.4	2.8	2.2	1.5	1.8	1.8	1.7	2.3	2.6	2.5	2.0
25	PRUDWI - 116	2.1	3.0	2.6	2.4	1.8	2.3	3.0	2.3	2.4	2.3	2.3	2.3
	CHECKS:												
26	P R O - 311	2.1	3.4	2.8	2.3	1.8	1.5	2.0	1.8	2.4	2.4	2.4	2.0
27	DECCAN - 103	2.3	3.5	2.9	2.4	2.0	2.0	1.8	1.9	2.5	2.8	2.6	2.2
28	B I O - 9681	2.3	3.6	3.0	2.5	2.0	2.3	2.8	2.3	2.5	2.3	2.4	2.3
29	GANGA - 11	2.3	3.1	2.7	2.3	2.0	1.0	1.3	1.4	2.6	2.0	2.3	1.8
	MEAN LOCATION	2.2	3.0	2.6	2.1	1.8	1.4	2.1	1.8	2.4	2.4	2.4	2.0
	C.D. AT 5%=	0.4	0.5	0.5	-	0.6	0.7	0.7	0.7	0.3	0.4	0.4	-
	C.V. % =	13.7	11.3	-	-	23.3	36.3	25.2	-	9.4	11.2	-	-
	F (Prob)	.000	.000	-	-	.059	.000	.001	-	.000	.000	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	UNIFORMITY KARI	UNIFORMITY COIM	ZN 4 MEAN *	UDAI	GODH	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	2.5	3.0	2.8	2.4	2.5	2.5	2.6
2	U M H - 39	3.5	2.3	2.9	2.6	2.8	2.7	2.8
3	B H - 2355	2.8	2.0	2.4	2.0	2.6	2.3	2.4
4	B H - 2358	2.8	3.3	3.0	2.3	2.3	2.3	2.6
5	B H - 2523	2.5	2.3	2.4	1.9	2.3	2.1	2.2
6	B H - 2528	2.0	1.8	1.9	2.3	2.8	2.5	2.2
7	H K H - 1193	2.3	2.3	2.3	3.2	2.8	3.0	2.6
8	101501 x 101505	3.0	1.8	2.4	2.7	3.0	2.8	2.6
9	101502 x 101505	2.5	2.3	2.4	2.5	2.8	2.6	2.5
10	101503 x 101522	3.0	2.0	2.5	2.6	2.5	2.5	2.5
11	X 1231 H	3.5	1.5	2.5	2.1	1.8	1.9	2.2
12	M C H - 1	3.0	2.5	2.8	2.5	2.8	2.6	2.7
13	M C H - 3	2.8	3.0	2.9	2.3	2.8	2.5	2.7
14	VIPL 1804	3.0	2.0	2.5	2.6	2.5	2.5	2.5
15	X - 2125	2.8	2.3	2.5	2.5	2.0	2.3	2.4
16	SEEDTEC -C 12	2.3	2.3	2.3	2.6	2.3	2.4	2.3
17	BISCO - 167	2.5	2.0	2.3	2.3	2.8	2.5	2.4
18	P A C 71061	3.0	2.5	2.8	2.8	2.8	2.8	2.8
19	ROBUST	2.3	2.0	2.1	2.3	3.0	2.7	2.4
20	N E C H - 118	2.8	1.8	2.3	2.4	2.8	2.6	2.4
21	FILLER	2.8	2.3	2.5	2.4	2.5	2.5	2.5
22	J K M H - 951	2.8	1.8	2.3	2.5	2.3	2.4	2.3
23	A A M H - 441	3.0	1.8	2.4	2.5	2.8	2.6	2.5
24	G K - 3046	2.8	2.0	2.4	2.5	2.8	2.6	2.5
25	PRUDWI - 116	2.8	3.5	3.1	2.5	2.8	2.6	2.9
	CHECKS:							
26	P R O - 311	2.5	2.0	2.3	2.5	2.6	2.5	2.4
27	DECCAN - 103	3.3	2.0	2.6	2.7	2.8	2.7	2.7
28	B I O - 9681	3.3	2.0	2.6	2.5	2.3	2.3	2.5
29	GANGA - 11	3.0	2.5	2.8	2.6	2.8	2.7	2.7
	MEAN LOCATION	2.8	2.2	2.5	2.5	2.6	2.5	2.5
	C.D. AT 5%=	0.9	0.7	0.8	0.3	0.3	0.3	-
	C.V. % =	24.2	23.2	-	8.0	9.6	-	-
	F (Prob)	.296	.000	-	.000	.000	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	206	244	161	218	263	223	184	215	260	173	165	199	210
2	U M H - 39	209	240	182	210	260	250	157	217	285	175	178	213	215
3	B H - 2355	219	242	170	214	273	246	171	219	296	194	173	221	220
4	B H - 2358	216	241	168	216	267	250	167	218	260	145	190	198	212
5	B H - 2523	228	251	173	203	267	240	170	217	279	200	183	220	219
6	B H - 2528	222	254	172	204	253	251	168	217	285	183	165	211	216
7	H K H - 1193	196	250	149	173	223	-	139	187	215	145	133	164	180
8	101501 x 101505	202	248	161	181	250	231	142	202	254	135	143	177	195
9	101502 x 101505	208	250	161	175	253	226	153	203	241	155	155	184	198
10	101503 x 101522	212	252	143	190	260	237	169	208	249	155	178	194	204
11	X 1231 H	227	254	163	243	270	254	180	227	305	213	188	235	229
12	M C H - 1	210	250	156	194	263	238	160	210	274	145	160	193	205
13	M C H - 3	201	252	152	206	253	237	179	213	240	165	178	194	206
14	VIPL 1804	215	254	158	194	243	235	199	214	279	145	168	197	209
15	X - 2125	214	252	142	181	247	242	171	206	260	155	175	197	204
16	SEEDTEC -C 12	208	250	157	179	260	224	153	204	241	155	133	176	196
17	BISCO - 167	220	251	150	205	243	238	161	208	246	175	158	193	205
18	P A C 71061	206	251	149	234	260	246	179	220	266	175	180	207	215
19	ROBUST	209	249	147	198	247	214	162	203	263	165	170	199	202
20	N E C H - 118	209	250	148	221	277	241	169	218	288	175	185	216	216
21	FILLER	196	251	145	179	253	234	162	204	241	145	158	181	196
22	J K M H - 951	197	252	157	189	243	238	149	205	248	155	168	190	199
23	A A M H - 441	202	256	154	196	267	231	168	212	270	178	163	203	208
24	G K - 3046	219	253	148	190	247	229	186	209	259	175	163	199	207
25	PRUDWI - 116	209	253	143	203	243	229	170	207	250	163	158	190	202
	CHECKS:													
26	P R O - 311	206	253	150	176	263	233	156	205	258	155	160	191	201
27	DECCAN - 103	203	251	156	186	253	241	169	209	258	145	163	188	202
28	B I O - 9681	217	255	162	201	230	240	187	212	245	185	170	200	209
29	GANGA - 11	213	251	153	220	260	247	162	216	275	178	173	208	213
	MEAN LOCATION	210	250	156	199	255	237	167	211	262	166	166	198	207
	C.D. AT 5%=	15.7	3.2	12.2	28.6	26.3	17.7	7.6	15.9	25.5	6.7	27.0	19.7	-
	C.V. % =	5.3	0.9	5.6	10.2	6.3	4.5	3.2	-	6.9	2.9	7.9	-	-
	F (Prob)	.002	.000	.000	.000	.039	.005	.000	-	.000	.000	.014	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	89	107	55	130	117	95	75	97	131	88	78	99	96
2	U M H - 39	84	113	73	120	127	107	82	104	146	79	98	108	103
3	B H - 2355	78	108	60	120	103	102	82	96	138	100	78	105	97
4	B H - 2358	78	106	63	123	123	110	84	101	121	74	85	93	97
5	B H - 2523	81	107	61	120	123	105	81	99	134	109	95	113	102
6	B H - 2528	78	108	68	121	110	110	78	99	140	85	83	103	98
7	H K H - 1193	63	106	51	106	107	-	80	90	94	68	50	70	80
8	101501 x 101505	64	107	49	101	93	89	76	86	99	55	68	74	80
9	101502 x 101505	75	107	50	103	103	83	74	86	103	73	73	83	84
10	101503 x 101522	86	113	48	118	113	106	81	96	119	75	88	94	95
11	X 1231 H	90	108	63	119	113	98	85	98	141	99	75	105	99
12	M C H - 1	82	107	64	113	117	91	74	94	131	73	75	93	93
13	M C H - 3	80	114	59	118	113	96	82	97	109	75	88	90	93
14	VIPL 1804	79	107	50	116	107	100	97	96	146	74	73	98	95
15	X - 2125	80	105	53	101	97	89	80	88	119	76	75	90	88
16	SEEDTEC -C 12	73	109	58	101	117	99	75	93	118	65	60	81	87
17	BISCO - 167	76	110	55	124	100	106	79	95	124	93	50	89	92
18	P A C 71061	84	108	54	139	120	107	88	102	129	88	95	104	101
19	ROBUST	64	106	54	104	93	90	64	85	105	83	78	88	84
20	N E C H - 118	80	106	62	134	123	105	90	103	146	74	93	104	101
21	FILLER	73	109	47	100	100	95	80	89	110	73	70	84	86
22	J K M H - 951	69	105	53	103	100	95	77	89	103	55	70	76	83
23	A A M H - 441	73	106	52	106	113	90	94	94	120	75	83	93	91
24	G K - 3046	74	108	47	105	97	88	86	88	115	73	75	88	87
25	PRUDWI - 116	68	109	41	111	97	93	71	87	123	71	65	86	85
	CHECKS:													
26	P R O - 311	89	113	59	109	130	99	79	98	128	75	83	95	96
27	DECCAN - 103	81	107	54	106	103	101	89	93	129	73	83	95	93
28	B I O - 9681	71	113	50	110	83	93	90	90	98	75	73	82	85
29	GANGA - 11	86	106	58	126	120	103	68	97	135	98	78	103	98
	MEAN LOCATION	77	108	55	114	109	98	81	94	122	78	77	93	92
	C.D. AT 5%=	8.7	2.4	10.5	19.3	18.2	13.7	3.2	11.2	18.3	5.6	25.6	16.5	-
	C.V. % =	8.0	1.6	13.5	12.0	10.2	8.6	2.8	-	10.7	5.0	16.3	-	-
	F (Prob)	.000	.000	.000	.001	.000	.005	.000	-	.000	.000	.068	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	H.turc*	EAR NO. / PLANT									
		BANG POCB	ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	COIM	ZN 4 MEAN	UDAI	GODH	ZN 5 MEAN	OV'L MEAN
1	J H - 10521	1.5	1.17	1.06	1.04	0.99	1.00	1.02	0.99	1.10	1.04	1.05
2	U M H - 39	2.7	1.09	1.06	1.02	0.99	1.00	1.02	0.99	1.06	1.02	1.03
3	B H - 2355	1.8	1.16	1.07	0.99	1.01	1.00	1.02	1.03	1.00	1.01	1.04
4	B H - 2358	2.5	1.14	1.08	0.96	1.00	1.00	1.01	0.96	1.04	1.00	1.03
5	B H - 2523	3.0	1.07	1.07	0.98	1.04	1.00	1.02	0.97	1.04	1.01	1.03
6	B H - 2528	1.5	1.11	1.07	0.97	0.99	1.00	1.01	0.96	1.04	1.00	1.02
7	H K H - 1193	2.0	1.12	1.09	1.00	1.02	1.00	1.03	0.97	0.81	0.89	1.00
8	101501 x 101505	1.5	1.15	1.07	0.96	1.00	1.00	1.01	0.90	1.03	0.97	1.02
9	101502 x 101505	1.5	1.11	1.06	0.96	1.00	1.00	1.01	1.01	0.99	1.00	1.02
10	101503 x 101522	2.5	1.04	1.05	0.99	1.02	1.00	1.02	0.99	0.98	0.99	1.01
11	X 1231 H	1.5	1.13	1.07	1.03	0.99	1.00	1.02	1.02	1.11	1.07	1.05
12	M C H - 1	1.5	1.14	1.05	0.97	1.04	1.00	1.01	0.98	0.96	0.97	1.02
13	M C H - 3	1.5	1.06	1.07	1.00	1.01	1.01	1.02	1.07	1.16	1.12	1.05
14	VIPL 1804	1.8	1.16	1.06	0.97	1.00	1.00	1.01	1.10	1.02	1.06	1.05
15	X - 2125	2.2	1.14	1.08	1.01	1.00	1.00	1.02	0.98	1.16	1.07	1.05
16	SEEDTEC -C 12	1.5	1.18	1.07	0.88	0.99	1.00	0.99	1.04	0.96	1.00	1.02
17	BISCO - 167	1.5	1.08	1.06	0.93	1.00	1.01	1.00	1.03	1.09	1.06	1.03
18	P A C 71061	1.5	1.14	1.06	1.00	1.04	1.00	1.03	1.04	1.05	1.04	1.05
19	ROBUST	2.5	1.16	1.07	1.02	1.05	1.01	1.03	1.04	0.94	0.99	1.04
20	N E C H - 118	1.5	1.11	1.06	0.98	1.01	1.00	1.01	0.90	0.93	0.91	1.00
21	FILLER	1.5	1.26	1.07	0.97	1.06	1.00	1.03	0.96	1.11	1.04	1.06
22	J K M H - 951	1.5	1.20	1.08	1.04	1.00	1.00	1.03	0.96	1.06	1.01	1.05
23	A A M H - 441	2.0	1.19	1.06	1.03	1.00	1.00	1.02	1.10	0.95	1.03	1.05
24	G K - 3046	2.2	1.12	1.07	1.04	1.00	1.00	1.03	1.04	1.04	1.04	1.05
25	PRUDWI - 116	1.5	1.19	1.06	1.00	0.99	1.00	1.01	1.08	0.99	1.04	1.05
	CHECKS:											
26	P R O - 311	1.8	1.12	1.06	1.01	0.99	1.00	1.02	1.03	0.79	0.91	1.00
27	DECCAN - 103	2.2	1.13	1.09	0.97	1.01	1.00	1.02	0.98	1.22	1.10	1.06
28	B I O - 9681	2.3	1.27	1.05	0.98	1.00	1.00	1.01	1.14	1.06	1.10	1.07
29	GANGA - 11	3.5	1.28	1.04	1.00	1.02	0.99	1.01	1.11	0.85	0.98	1.04
	MEAN LOCATION	1.9	-	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	0.9	-	-	-	-	-	-	-	-	-	-
	C.V. % =	29.9	-	-	-	-	-	-	-	-	-	-
	F (Prob)	.001	-	-	-	-	-	-	-	-	-	-

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	UDAI	GODH	CHHI	OV'L MEAN
1	J H - 10521	22	38	41	40	34	29	38	27	26	26	32
2	U M H - 39	33	39	40	39	34	32	38	30	29	34	35
3	B H - 2355	26	41	44	40	31	31	36	33	23	19	32
4	B H - 2358	13	40	39	43	34	30	38	28	17	30	31
5	B H - 2523	29	37	42	40	34	32	37	34	24	30	34
6	B H - 2528	29	38	40	40	34	34	38	33	22	27	33
7	H K H - 1193	15	40	44	35	34	-	37	22	9	21	28
8	101501 x 101505	34	40	38	38	34	31	37	32	20	30	33
9	101502 x 101505	34	39	44	38	33	31	37	29	29	34	35
10	101503 x 101522	33	39	40	40	34	32	36	32	33	37	35
11	X 1231 H	35	38	42	40	34	33	37	36	32	21	35
12	M C H - 1	33	38	40	39	32	33	36	35	26	37	35
13	M C H - 3	32	39	41	41	34	33	37	31	29	36	35
14	VIPL 1804	36	40	41	37	32	31	36	32	31	33	35
15	X - 2125	37	40	42	40	34	33	37	29	30	37	36
16	SEEDTEC -C 12	26	39	43	38	34	33	38	29	25	22	33
17	BISCO - 167	33	41	40	41	34	34	37	36	30	37	36
18	P A C 71061	33	41	41	43	34	31	38	35	34	35	36
19	ROBUST	29	39	41	37	30	32	37	31	31	30	34
20	N E C H - 118	29	39	38	41	34	33	38	30	26	25	33
21	FILLER	37	40	37	39	34	33	37	32	30	32	35
22	J K M H - 951	39	39	41	38	33	33	36	30	34	29	35
23	A A M H - 441	32	38	38	38	34	31	36	37	28	39	35
24	G K - 3046	35	40	42	40	34	32	37	31	34	35	36
25	PRUDWI - 116	25	38	39	37	33	33	37	29	22	24	31
	CHECKS:											
26	P R O - 311	35	40	42	40	32	32	37	28	24	23	33
27	DECCAN - 103	34	40	38	39	34	32	36	34	30	29	35
28	B I O - 9681	38	40	38	40	34	32	37	37	31	29	35
29	GANGA - 11	30	41	40	38	34	31	36	31	31	33	34
	MEAN LOCATION	31	39	40	39	33	32	37	31	27	30	34
	C.D. AT 5%=	7.1	3.0	5.2	3.5	2.9	2.7	0.9	5.5	7.1	11.8	-
	C.V. % =	16.4	5.5	9.1	6.4	5.3	5.1	1.7	12.4	18.7	19.3	-
	F (Prob)	.000	.589	.421	.007	.377	.080	.000	.000	.000	.042	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 2

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA, AMBIKAPUR, HYDERABAD, GANGAKAVERI HYDERABAD, KARIMNAGAR, MONSANTO BANGALORE, POC BANGALORE, PROAGRO BANGALORE, COIMBATORE, UDAIPUR, CHHINDIWARA IN IET, TRIAL No. TR61B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 2 LUDH	R	ZN 3 AMBI	R	HYDE	R	HYDE GANG	R	KARI	R	BANG MONS	R	BANG POCB	R
1	J H - 10535	6336	5	5380	25	3541	24	7381	1	5899	13	6494	19	5755	29
2	B H - 2348	5136	17	5128	29	3410	26	6633	22	5930	12	5986	24	9788	17
3	B H - 2356	5594	14	5402	24	4436	11	6793	15	5373	22	6896	15	9656	18
4	B H - 2854	4697	22	5803	17	4762	7	6743	18	5496	20	7530	7	8183	24
5	B H - 2202	7039	1	5431	23	5213	3	6898	11	5668	16	6386	21	10595	13
6	A H - 01410	3103	29	6358	12	3804	20	6680	19	4836	27	5527	29	6694	26
7	A H - 01415	3889	28	5136	27	3189	27	7034	5	6849	2	5619	28	6237	28
8	H K H - 1215	5111	18	5245	26	4123	14	6452	29	5978	11	6100	23	8467	22
9	101509 x 101515	5733	13	5532	21	3574	23	6669	20	5473	21	6170	22	7002	25
10	101510 x 101515	4424	23	6266	13	3086	28	6993	7	5848	15	5771	26	9022	19
11	101511 x 101515	4310	25	5136	28	3411	25	6863	12	6079	10	5692	27	8586	20
12	X - 1280 B	6972	2	9732	1	2586	29	6807	14	6753	4	8082	4	11178	7
13	M C H - 2	6216	8	5663	19	4445	10	6526	27	5856	14	7169	10	12217	2
14	M C H - 4	6652	4	7946	3	4766	6	6924	10	6283	8	7831	5	11864	3
15	X - 2001	6113	9	6587	10	5352	1	6640	21	5291	24	7089	11	10766	11
16	SEEDTEC -C 11	4958	20	5653	20	4583	9	7066	3	6236	9	6672	17	10185	15
17	BISCO - 902	6021	10	6944	8	5183	4	7054	4	6970	1	8291	2	10681	12
18	P R O - 359	4930	21	7101	7	4401	12	6621	23	6346	7	9423	1	11855	5
19	P A C 71062	5871	12	6372	11	3786	21	6969	8	5331	23	7367	8	11862	4
20	N E C H - 117	6260	7	7282	6	4094	15	6595	24	6784	3	7666	6	12277	1
21	B I O - 20212	5594	15	5750	18	3943	18	6820	13	4920	26	7075	13	9875	16

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 2 LUDH	R	ZN 3 AMBI	R	HYDE	R	HYDE GANG	R	KARI	R	BANG MONS	R	BANG POCB	R
22	FILLER	5953	11	5443	22	4672	8	6770	17	5511	19	7273	9	11141	8
23	POOJA	5079	19	6235	15	4131	13	6547	26	6393	6	6858	16	10546	14
24	A A M H - 459	6313	6	6194	16	5344	2	6924	9	6739	5	7088	12	11650	6
25	G K - 3047	4222	27	7350	5	3575	22	7263	2	5637	17	6438	20	8226	23
	CHECKS:														
26	P R O - 311	6893	3	7608	4	4813	5	6593	25	4499	29	8205	3	11091	9
27	DECCAN - 103	4379	24	6254	14	4017	16	6482	28	4828	28	5851	25	6594	27
28	B I O -9681	5505	16	8004	2	3989	17	6787	16	5174	25	7068	14	10897	10
29	GANGA - 11	4224	26	6689	9	3932	19	7000	6	5618	18	6572	18	8478	21
	MEAN YIELD=	5432		6332		4143		6811		5814		6903		9702	
	MEAN STAND	34		32		24		39		41		39		33	
	C.D. AT 5%=	1388		1033		1163		578		1360		1668		2418	
	C.V. % =	18.18		11.60		19.97		6.03		16.64		17.19		15.25	
	F (Prob)	.000		.000		.000		.203		.016		.004		.000	
	PLOT SIZE=	5.20		7.50		7.00		6.00		7.50		7.50		4.80	
	AGRONOMY DATA:														
	SOWING DATE(2002)	11-07		9-07		13-07		14-07		27-07		16-07		7-07	
	HARVEST DATE(2002)	10-10		-		4-11		1-11		13-11		16-11		5-12	
	IRRIGATION Nos	8		-		11		3		4		-		6	
	FERTILIZER APPLIED N	125		100		120		120		120		-		120	
	P	60		50		60		60		6		-		60	
	K	30		25		30		40		30		-		40	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 28.3% : NAGA 26.5% :
KOLH 30.2% : SYNG 28.6% : GODH 22.3%

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE													
		BANG PROA	R	COIM	R	ZN 4 MEAN	R	UDAI	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
1	J H - 10535	6585	20	8286	26	6277	26	4086	27	4603	21	4344	24	5850	26
2	B H - 2348	8803	5	10587	9	7305	17	5556	13	5068	17	5312	15	6548	18
3	B H - 2356	8795	6	12612	2	7794	7	5475	14	5536	9	5505	11	6961	10
4	B H - 2854	8099	11	7135	29	6850	22	4585	24	4910	19	4747	21	6177	21
5	B H - 2202	8769	7	8840	20	7481	14	6198	4	5146	15	5672	9	6926	11
6	A H - 01410	5444	29	9640	16	6089	29	3998	28	4594	22	4296	25	5516	29
7	A H - 01415	5627	27	8626	24	6169	27	4647	22	4241	25	4444	23	5554	27
8	H K H - 1215	6390	22	12151	4	7094	19	5608	11	5196	13	5402	14	6438	19
9	101509 x 101515	6547	21	10264	11	6528	25	4209	26	4355	24	4282	26	5957	25
10	101510 x 101515	5803	26	11482	7	6858	21	4929	21	3071	28	4000	27	6063	23
11	101511 x 101515	5819	25	11267	8	6817	23	4282	25	5844	7	5063	19	6117	22
12	X - 1280 B	5569	28	8705	22	7097	18	6541	3	6353	5	6447	2	7207	7
13	M C H - 2	9290	3	9386	18	7841	6	5309	17	7400	1	6354	3	7225	6
14	M C H - 4	7919	12	9482	17	7867	4	5886	8	7133	2	6509	1	7517	2
15	X - 2001	10094	1	9775	15	7858	5	6800	1	5047	18	5923	7	7232	5
16	SEEDTEC -C 11	7644	15	8803	21	7313	16	5888	7	5975	6	5931	6	6697	17
17	BISCO - 902	8445	8	8541	25	7881	3	5234	18	5764	8	5499	13	7194	8
18	P R O - 359	8174	10	9295	19	8016	2	5579	12	6553	4	6066	5	7298	3
19	P A C 71062	6672	18	12259	3	7749	8	5011	19	5485	10	5248	17	6999	9
20	N E C H - 117	9199	4	11649	6	8323	1	5854	9	5147	14	5501	12	7528	1
21	B I O - 20212	7585	16	13173	1	7627	10	5366	15	5141	16	5254	16	6840	15

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE													
		BANG PROA	R	COIM	R	ZN 4 MEAN	R	UDAI	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
22	FILLER	9560	2	7608	28	7505	13	6796	2	4422	23	5609	10	6832	16
23	POOJA	8271	9	10316	10	7580	11	6098	5	5266	12	5682	8	6885	13
24	A A M H - 459	7528	17	8201	27	7639	9	5322	16	4722	20	5022	20	6911	12
25	G K - 3047	6589	19	11767	5	7071	20	5661	10	3575	27	4618	22	6391	20
	CHECKS:														
26	P R O - 311	7666	14	10145	12	7573	12	5896	6	6780	3	6338	4	7290	4
27	DECCAN[illegible] 103	6178	24	8691	23	6092	28	4604	23	2989	29	3797	28	5533	28
28	B I O - 9681	7869	13	10026	13	7401	15	4940	20	5398	11	5169	18	6878	14
29	GANGA - 11	6254	23	9803	14	6808	24	3866	29	3679	26	3772	29	6010	24
	MEAN YIELD=	7489		9949		7259		5318		5151		5235		6640	
	MEAN STAND	32		37		35		34		32		33		34	
	C.D. AT 5%=	1029		1187		1343		750		1796		1273		1306	
	C.V. % =	8.40		8.49		-		10.04		17.02		-		-	
	F (Prob)	.000		.000		-		.000		.063		-		-	
	PLOT SIZE=	5.53		6.00		-		6.00		6.00		-		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	18-07		12-07		-		10-07		25-07		-		-	
	HARVEST DATE(2002)	15-11		5-11		-		21-10		15-11		-		-	
	IRRIGATION Nos	-		8		-		2		-		-		-	
	FERTILIZER APPLIED N	150		135		-		120		120		-		-	
	P	60		63		-		60		60		-		-	
	K	40		50		-		-		40		-		-	

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P R O - 311 ZN 2 LUDH	ZN 3 AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB
1	J H - 10535	-	-	-	11.96	31.13	-	-
2	B H - 2348	-	-	-	0.61	31.82	-	-
3	B H - 2356	-	-	-	3.03	19.44	-	-
4	B H - 2854	-	-	-	2.28	22.16	-	-
5	B H - 2202	2.12	-	8.32	4.63	25.99	-	-
6	A H - 01410	-	-	-	1.32	7.50	-	-
7	A H - 01415	-	-	-	6.70	52.24	-	-
8	H K H - 1215	-	-	-	-	32.88	-	-
9	101509 x 101515	-	-	-	1.15	21.66	-	-
10	101510 x 101515	-	-	-	6.06	29.99	-	-
11	101511 x 101515	-	-	-	4.10	35.12	-	-
12	X - 1280 B	1.15	27.92	-	3.24	50.11	-	0.78
13	M C H - 2	-	-	-	-	30.17	-	10.15
14	M C H - 4	-	4.44	-	5.02	39.66	-	6.97
15	X - 2001	-	-	11.21	0.72	17.60	-	-
16	SEEDTEC -C 11	-	-	-	7.17	38.61	-	-
17	BISCO - 902	-	-	7.69	6.99	54.92	1.05	-
18	P R O - 359	-	-	-	0.43	41.06	14.84	6.89
19	P A C 71062	-	-	-	5.70	18.51	-	6.95
20	N E C H - 117	-	-	-	0.04	50.80	-	10.70
21	B I O - 20212	-	-	-	3.44	9.36	-	-
22	FILLER	-	-	-	2.69	22.50	-	0.46
23	POOJA	-	-	-	-	42.10	-	-
24	A A M H - 459	-	-	11.04	5.03	49.79	-	5.05
25	G K - 3047	-	-	-	10.17	25.29	-	-
	CHECKS:							
26	P R O - 311	-	-	-	-	-	-	-
27	DECCAN - 103	-	-	-	-	7.31	-	-
28	B I O - 9681	-	5.20	-	2.94	15.00	-	-
29	GANGA - 11	-	-	-	6.17	24.87	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P R O - 311 BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	-	-	-	-	-	-	-
2	B H - 2348	14.84	4.35	-	-	-	-	-
3	B H - 2356	14.72	24.32	2.92	-	-	-	-
4	B H - 2854	5.65	-	-	-	-	-	-
5	B H - 2202	14.38	-	-	5.12	-	-	-
6	A H - 01410	-	-	-	-	-	-	-
7	A H - 01415	-	-	-	-	-	-	-
8	H K H - 1215	-	19.77	-	-	-	-	-
9	101509 x 101515	-	1.17	-	-	-	-	-
10	101510 x 101515	-	13.17	-	-	-	-	-
11	101511 x 101515	-	11.05	-	-	-	-	-
12	X - 1280 B	-	-	-	10.94	-	1.71	-
13	M C H - 2	21.19	-	3.54	-	9.14	0.26	-
14	M C H - 4	3.30	-	3.88	-	5.20	2.70	3.12
15	X - 2001	31.68	-	3.77	15.33	-	-	-
16	SEEDTEC -C 11	-	-	-	-	-	-	-
17	BISCO - 902	10.16	-	4.06	-	-	-	-
18	P R O - 359	6.63	-	5.85	-	-	-	0.11
19	P A C 71062	-	20.83	2.33	-	-	-	-
20	N E C H - 117	20.00	14.82	9.91	-	-	-	3.27
21	B I O - 20212	-	29.84	0.72	-	-	-	-
22	FILLER	24.71	-	-	15.26	-	-	-
23	POOJA	7.90	1.68	0.10	3.42	-	-	-
24	A A M H - 459	-	-	0.87	-	-	-	-
25	G K - 3047	-	15.99	-	-	-	-	-
	CHECKS:							
26	P R O - 311	-	-	-	-	-	-	-
27	DECCAN - 103	-	-	-	-	-	-	-
28	B I O - 9681	2.65	-	-	-	-	-	-
29	GANGA - 11	-	-	-	-	-	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 ZN 2 LUDH	ZN 3 AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB
1	J H - 10535	44.70	-	-	13.87	22.19	10.98	-
2	B H - 2348	17.29	-	-	2.32	22.84	2.31	48.44
3	B H - 2356	27.75	-	10.42	4.79	11.30	17.86	46.44
4	B H - 2854	7.26	-	18.54	4.02	13.84	28.68	24.10
5	B H - 2202	60.74	-	29.76	6.42	17.40	9.13	60.68
6	A H - 01410	-	1.66	-	3.05	0.18	-	1.51
7	A H - 01415	-	-	-	8.52	41.86	-	-
8	H K H - 1215	16.72	-	2.62	-	23.82	4.25	28.40
9	101509 x 101515	30.92	-	-	2.88	13.37	5.44	6.19
10	101510 x 101515	1.03	0.19	-	7.87	21.13	-	36.82
11	101511 x 101515	-	-	-	5.87	25.91	-	30.22
12	X - 1280 B	59.21	55.61	-	5.01	39.88	38.12	69.52
13	M C H - 2	41.96	-	10.64	0.68	21.30	22.51	85.27
14	M C H - 4	51.91	27.06	18.65	6.82	30.15	33.83	79.93
15	X - 2001	39.60	5.33	33.23	2.43	9.59	21.15	63.28
16	SEEDTEC -C 11	13.23	-	14.09	9.00	29.16	14.03	54.46
17	BISCO - 902	37.50	11.03	29.02	8.82	44.36	41.69	61.99
18	P R O - 359	12.59	13.55	9.55	2.15	31.45	61.04	79.79
19	P A C 71062	34.08	1.89	-	7.50	10.43	25.91	79.90
20	N E C H - 117	42.95	16.43	1.92	1.75	40.53	31.01	86.19
21	B I O - 20212	27.75	-	-	5.21	1.91	20.92	49.76
22	FILLER	35.94	-	16.31	4.44	14.16	24.30	68.97
23	POOJA	15.99	-	2.84	1.00	32.41	17.20	59.94
24	A A M H - 459	44.16	-	33.03	6.82	39.58	21.13	76.69
25	G K - 3047	-	17.52	-	12.05	16.76	10.02	24.75
	CHECKS:							
26	P R O - 311	57.40	21.65	19.80	1.71	-	40.22	68.20
27	DECCAN - 103	-	-	-	-	-	-	-
28	B I O - 9681	25.72	27.98	-	4.70	7.17	20.79	65.25
29	GANGA - 11	-	6.95	-	7.98	16.36	12.32	28.57

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	6.59	-	3.05	-	53.97	14.41	5.71
2	B H - 2348	42.49	21.82	19.92	20.66	69.52	39.90	18.33
3	B H - 2356	42.35	45.12	27.95	18.91	85.18	45.00	25.79
4	B H - 2854	31.10	-	12.45	-	64.24	25.03	11.62
5	B H - 2202	41.93	1.72	22.81	34.60	72.15	49.39	25.16
6	A H - 01410	-	10.92	-	-	53.67	13.15	-
7	A H - 01415	-	-	1.27	0.92	41.86	17.04	0.37
8	H K H - 1215	3.43	39.81	16.46	21.79	73.82	42.27	16.35
9	101509 x 101515	5.96	18.10	7.17	-	45.67	12.77	7.65
10	101510 x 101515	-	32.11	12.57	7.05	2.72	5.35	9.57
11	101511 x 101515	-	29.64	11.90	-	95.48	33.34	10.55
12	X - 1[illegible]0 B	-	0.16	16.51	42.06	112.50	69.79	30.24
13	M C H - 2	50.37	8.00	28.72	15.30	147.54	67.36	30.57
14	M C H - 4	28.18	9.11	29.15	27.83	138.61	71.44	35.85
15	X - 2001	63.39	12.47	29.00	47.68	68.83	56.01	30.70
16	SEEDTEC -C 11	23.73	1.29	20.04	27.88	99.86	56.22	21.02
17	BISCO - 902	36.69	-	29.37	13.68	92.82	44.84	30.00
18	P R O - 359	32.30	6.95	31.60	21.16	119.19	59.76	31.89
19	P A C 71062	7.99	41.05	27.21	8.84	83.48	38.22	26.48
20	N E C H - 117	48.90	34.03	36.64	27.15	72.19	44.88	36.04
21	B I O - 20212	22.77	51.57	25.21	16.54	71.98	38.37	23.61
22	FILLER	54.74	-	23.21	47.60	47.94	47.73	23.47
23	POOJA	33.88	18.70	24.44	32.43	76.16	49.65	24.43
24	A A M H - 459	21.85	-	25.40	15.59	57.97	32.28	24.90
25	G K - 3047	6.65	35.40	16.07	22.95	19.58	21.63	15.50
	CHECKS:							
26	P R O - 311	24.08	16.74	24.32	28.05	126.81	66.93	31.74
27	DECCAN - 103	-	-	-	-	-	-	-
28	B I O - 9681	27.37	15.36	21.50	7.28	80.57	36.13	24.29
29	GANGA - 11	1.23	12.80	11.76	-	23.06	-	8.62

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE B I O - 9681 ZN 2 LUDH	ZN 3 AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB
1	J H - 10535	15.09	-	-	8.76	14.02	-	-
2	B H - 2348	-	-	-	-	14.63	-	-
3	B H - 2356	1.61	-	11.22	0.09	3.86	-	-
4	B H - 2854	-	-	19.39	-	6.23	6.53	-
5	B H - 2202	27.85	-	30.70	1.64	9.55	-	-
6	A H - 01410	-	-	-	-	-	-	-
7	A H - 01415	-	-	-	3.65	32.38	-	-
8	H K H - 1215	-	-	3.36	-	15.54	-	-
9	101509 x 101515	4.14	-	-	-	5.79	-	-
10	101510 x 101515	-	-	-	3.03	13.03	-	-
11	101511 x 101515	-	-	-	1.12	17.50	-	-
12	X - 1280 B	26.64	21.59	-	0.29	30.52	14.35	2.58
13	M C H - 2	12.91	-	11.44	-	13.19	1.42	12.11
14	M C H - 4	20.83	-	19.50	2.02	21.44	10.79	8.88
15	X - 2001	11.04	-	34.19	-	2.26	0.29	-
16	SEEDTEC -C 11	-	-	14.91	4.11	20.53	-	-
17	BISCO - 902	9.37	-	29.95	3.94	34.71	17.30	-
18	P R O - 359	-	-	10.33	-	22.66	33.31	8.79
19	P A C 71062	6.65	-	-	2.68	3.05	4.23	8.86
20	N E C H - 117	13.70	-	2.65	-	31.13	8.46	12.67
21	B I O - 20212	1.61	-	-	0.48	-	0.10	-
22	FILLER	8.13	-	17.15	-	6.52	2.90	2.25
23	POOJA	-	-	3.58	-	23.56	-	-
24	A A M H - 459	14.67	-	33.98	2.03	30.25	0.28	6.92
25	G K - 3047	-	-	-	7.02	8.95	-	-
	CHECKS:							
26	P R O - 311	25.20	-	20.66	-	-	16.08	1.78
27	DECCAN - 103	-	-	0.72	-	-	-	-
28	B I O - 9681	-	-	-	-	-	-	-
29	GANGA - 11	-	-	-	3.13	8.58	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE B I O - 9681 BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	-	-	-	-	-	-	-
2	B H - 2348	11.87	5.60	-	12.47	-	2.76	-
3	B H - 2356	11.76	25.80	5.31	10.84	2.55	6.51	1.21
4	B H - 2854	2.92	-	-	-	-	-	-
5	B H - 2202	11.43	-	1.08	25.47	-	9.73	0.70
6	A H - 01410	-	-	-	-	-	-	-
7	A H - 01415	-	-	-	-	-	-	-
8	H K H - 1215	-	21.20	-	13.52	-	4.51	-
9	101509 x 101515	-	2.37	-	-	-	-	-
10	101510 x 101515	-	14.52	-	-	-	-	-
11	101511 x 101515	-	12.37	-	-	8.26	-	-
12	X - 1280 B	-	-	-	32.42	17.68	24.72	4.79
13	M C H - 2	18.06	-	5.94	7.47	37.09	22.93	5.05
14	M C H - 4	0.63	-	6.29	19.15	32.14	25.93	9.29
15	X - 2001	28.28	-	6.17	37.65	-	14.60	5.15
16	SEEDTEC -C 11	-	-	-	19.20	10.68	14.75	-
17	BISCO - 902	7.32	-	6.48	5.96	6.78	6.39	4.59
18	P R O - 359	3.87	-	8.31	12.94	21.39	17.35	6.11
19	P A C 71062	-	22.27	4.70	1.45	1.61	1.53	1.76
20	N E C H - 117	16.90	16.18	12.46	18.52	-	6.42	9.45
21	B I O - 20212	-	31.39	3.05	8.63	-	1.64	-
22	FILLER	21.49	-	1.40	37.58	-	8.52	-
23	POOJA	5.11	2.89	2.42	23.44	-	9.93	0.11
24	A A M H - 459	-	-	3.21	7.75	-	-	0.49
25	G K - 3047	-	17.37	-	14.61	-	-	-
	CHECKS:							
26	P R O - 311	-	1.19	2.32	19.36	25.61	22.62	5.99
27	DECCAN - 103	-	-	-	-	-	-	-
28	B I O - 9681	-	-	-	-	-	-	-
29	GANGA - 11	-	-	-	-	-	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD ZN 2 LUDH	ZN 3 AMBI	% SUPERIORITY OVER THE GANGA - 11 HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB
1	J H - 10535	50.01	-	-	5.45	5.01	-	-
2	B H - 2348	21.59	-	-	-	5.57	-	15.45
3	B H - 2356	32.44	-	12.80	-	-	4.93	13.90
4	B H - 2854	11.19	-	21.10	-	-	14.57	-
5	B H - 2202	66.64	-	32.56	-	0.90	-	24.98
6	A H - 01410	-	-	-	-	-	-	-
7	A H - 01415	-	-	-	0.50	21.92	-	-
8	H K H - 1215	21.01	-	4.84	-	6.41	-	-
9	101509 x 101515	35.73	-	-	-	-	-	-
10	101510 x 101515	4.74	-	-	-	4.10	-	6.41
11	101511 x 101515	2.04	-	-	-	8.21	-	1.28
12	X - 1280 B	65.06	45.50	-	-	20.21	22.98	31.85
13	M C H - 2	47.17	-	13.03	-	4.25	9.07	44.10
14	M C H - 4	57.48	18.80	21.21	-	11.85	19.15	39.94
15	X - 2001	44.73	-	36.11	-	-	7.86	26.99
16	SEEDTEC -C 11	17.38	-	16.55	0.95	11.00	1.52	20.13
17	BISCO - 902	42.55	3.82	31.80	0.78	24.07	26.15	25.99
18	P R O - 359	16.72	6.17	11.91	-	12.97	43.37	39.83
19	P A C 71062	39.00	-	-	-	-	12.10	39.92
20	N E C H - 117	48.20	8.87	4.11	-	20.77	16.64	44.81
21	B I O - 20212	32.44	-	0.26	-	-	7.66	16.48
22	FILLER	40.93	-	18.82	-	-	10.66	31.42
23	POOJA	20.25	-	5.06	-	13.80	4.34	24.40
24	A A M H - 459	49.45	-	35.90	-	19.95	7.85	37.42
25	G K - 3047	-	9.88	-	3.77	0.34	-	-
	CHECKS:							
26	P R O - 311	63.18	13.75	22.38	-	-	24.84	30.82
27	DECCAN - 103	3.67	-	2.16	-	-	-	-
28	B I O - 9681	30.33	19.67	1.43	-	-	7.55	28.53
29	GANGA - 11	-	-	-	-	-	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	5.29	-	-	5.68	25.11	15.15	-
2	B H - 2348	40.75	8.00	7.30	43.71	37.75	40.80	8.94
3	B H - 2356	40.61	28.66	14.49	41.62	50.47	45.94	15.81
4	B H - 2854	29.50	-	0.61	18.59	33.46	25.84	2.76
5	B H - 2202	40.20	-	9.89	60.31	39.89	50.35	15.23
6	A H - 01410	-	-	-	3.43	24.87	13.88	-
7	A H - 01415	-	-	-	20.20	15.27	17.79	-
8	H K H - 1215	2.17	23.95	4.20	45.05	41.25	43.19	7.12
9	101509 x 101515	4.67	4.70	-	8.87	18.37	13.50	-
10	101510 x 101515	-	17.12	0.73	27.50	-	6.03	0.88
11	101511 x 101515	-	14.93	0.12	10.76	58.84	34.20	1.77
12	X - 1280 B	-	-	4.24	69.19	72.68	70.89	19.91
13	M C H - 2	48.54	-	15.17	37.31	101.15	68.44	20.21
14	M C H - 4	26.62	-	15.55	52.24	93.89	72.55	25.07
15	X - 2001	61.40	-	15.42	75.88	37.19	57.02	20.33
16	SEEDTEC -C 11	22.22	-	7.41	52.31	62.40	57.23	11.42
17	BISCO - 902	35.02	-	15.75	35.39	56.68	45.77	19.68
18	P R O - 359	30.69	-	17.75	44.30	78.11	60.79	21.42
19	P A C 71062	6.67	25.05	13.82	29.62	49.10	39.12	16.44
20	N E C H - 117	47.08	18.83	22.26	51.43	39.92	45.82	25.25
21	B I O - 20212	21.27	34.38	12.03	38.80	39.75	39.26	13.80
22	FILLER	52.86	-	10.24	75.79	20.21	48.69	13.67
23	POOJA	32.25	5.23	11.34	57.73	43.14	50.61	14.56
24	A A M H - 459	20.36	-	12.21	37.67	28.37	33.13	14.99
25	G K - 3047	5.35	20.04	3.86	46.43	-	22.41	6.33
	CHECKS:							
26	P R O - 311	22.57	3.49	11.23	52.51	84.30	68.01	21.29
27	DECCAN - 103	-	-	-	19.10	-	0.65	-
28	B I O - 9681	25.82	2.27	8.71	27.77	46.73	37.02	14.43
29	GANGA - 11	-	-	-	-	-	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 2 LUDH	ZN 3 AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN
1	J H - 10535	56.0	56.0	57.0	52.3	57.3	55.5	67.7	59.0	59.0	58.2
2	B H - 2348	58.5	59.3	56.5	52.8	58.5	58.5	73.5	61.3	58.3	59.9
3	B H - 2356	62.8	59.3	58.5	52.8	57.8	58.5	71.0	60.3	59.0	59.7
4	B H - 2854	58.8	57.5	57.5	51.3	57.5	57.0	70.7	59.7	61.3	59.3
5	B H - 2202	58.8	58.5	56.5	53.0	60.0	58.5	71.0	60.3	59.0	59.8
6	A H - 01410	54.0	55.3	55.5	49.8	57.0	55.5	64.7	55.3	57.8	56.5
7	A H - 01415	53.5	55.0	55.0	48.0	56.8	55.5	67.3	54.0	61.3	56.8
8	H K H - 1215	56.3	56.5	56.0	48.3	57.3	56.0	67.7	56.7	57.8	57.1
9	101509 x 101515	57.8	57.5	57.5	51.3	58.5	58.3	72.3	60.3	56.3	59.2
10	101510 x 101515	58.5	57.8	57.8	52.3	57.8	58.3	70.3	59.7	58.0	59.1
11	101511 x 101515	55.8	56.5	56.5	49.3	57.0	57.5	67.7	56.3	57.0	57.3
12	X - 1280 B	62.8	56.0	56.5	51.3	58.3	56.3	69.0	59.0	54.0	57.8
13	M C H - 2	59.3	57.0	57.0	51.3	57.5	58.3	70.7	59.3	58.3	58.9
14	M C H - 4	60.0	57.0	57.0	50.8	58.3	59.0	70.0	59.0	59.8	59.1
15	X - 2001	55.8	55.5	55.0	48.3	57.3	56.5	68.3	57.7	57.0	57.1
16	SEEDTEC -C 11	57.0	57.8	56.5	51.5	57.3	58.5	69.3	59.3	59.8	58.9
17	BISCO - 902	56.5	56.3	57.0	51.3	57.5	58.0	69.3	59.3	58.5	58.7
18	P R O - 359	55.8	57.3	58.0	51.0	57.5	57.8	68.7	58.7	59.0	58.7
19	P A C 71062	59.3	58.0	56.0	52.0	57.8	58.3	72.0	60.7	61.0	59.7
20	N E C H - 117	60.3	57.0	56.5	52.3	58.8	58.3	72.0	60.3	59.0	59.6
21	B I O - 20212	58.5	55.3	56.5	49.0	57.5	56.5	67.3	57.0	59.0	57.5
22	FILLER	55.5	56.5	55.5	48.8	58.0	56.5	68.3	57.7	59.0	57.7
23	POOJA	56.5	57.0	58.0	52.0	59.3	59.0	70.0	60.0	59.0	59.6
24	A A M H - 459	58.3	58.0	56.0	51.5	57.5	57.0	69.3	59.3	58.3	58.4
25	G K - 3047	56.0	56.0	56.5	50.0	57.3	55.8	66.3	56.0	58.0	57.1
	CHECKS:										
26	P R O - 311	58.3	56.0	56.5	51.0	57.3	56.8	69.3	59.0	60.3	58.6
27	DECCAN - 103	54.5	55.3	55.0	49.5	57.5	57.0	66.0	56.0	54.8	56.5
28	B I O - 9681	55.0	55.3	57.5	48.3	56.0	55.8	65.3	56.0	60.3	57.0
29	GANGA - 11	57.5	57.3	55.5	51.3	58.5	56.8	71.3	59.7	58.8	58.8
	MEAN LOCATION	57.5	56.8	56.6	50.7	57.7	57.3	69.2	58.5	58.6	58.4
	C.D. AT 5%=	3.0	1.5	2.2	0.8	1.5	1.1	2.2	1.0	0.7	1.4
	C.V. % =	3.7	1.9	2.8	1.1	1.9	1.3	1.9	1.1	0.8	-
	F (Prob)	.000	.000	.127	.000	.005	.000	.000	.000	.000	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN		SHED	DAYS TO 50 % SILKING						
		UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	ZN 2 LUDH	ZN 3 AMBI	HYDE	GANG	KARI	BANG MONS	BANG POCB
1	J H - 10535	57.5	52.0	54.8	57.2	57.8	60.3	59.0	52.8	58.8	56.5	70.7
2	B H - 2348	59.5	59.5	59.5	59.6	61.0	64.3	58.5	54.0	61.5	59.5	73.5
3	B H - 2356	57.5	55.0	56.3	59.3	65.8	64.3	60.5	53.8	61.3	59.8	74.7
4	B H - 2854	58.3	52.0	55.1	58.3	61.5	61.8	59.5	52.3	61.3	58.3	75.0
5	B H - 2202	58.3	57.0	57.6	59.2	60.5	63.0	58.5	54.0	63.0	59.8	74.3
6	A H - 01410	53.8	48.0	50.9	55.1	55.8	59.8	57.5	48.8	60.5	56.5	69.7
7	A H - 01415	54.0	50.0	52.0	55.5	55.3	59.5	57.5	49.5	59.3	56.5	70.0
8	H K H - 1215	55.5	52.5	54.0	56.4	57.8	60.0	58.0	49.3	59.8	57.0	70.0
9	101509 x 101515	59.0	57.0	58.0	58.7	60.5	61.8	59.5	52.0	61.5	59.8	75.7
10	101510 x 101515	58.8	56.5	57.6	58.7	60.3	63.0	60.0	53.8	61.3	59.8	74.7
11	101511 x 101515	55.0	52.0	53.5	56.4	57.5	60.8	59.0	50.3	60.3	58.8	71.0
12	X - 1280 B	56.5	54.0	55.3	57.6	66.0	60.8	58.5	52.5	61.3	57.3	70.0
13	M C H - 2	56.3	53.0	54.6	58.0	61.5	61.8	59.5	52.3	61.5	59.3	72.0
14	M C H - 4	57.8	55.0	56.4	58.5	61.5	61.8	59.0	51.8	61.0	60.3	72.0
15	X - 2001	54.5	49.0	51.8	55.9	58.0	60.0	57.0	50.3	60.0	57.8	70.7
16	SEEDTEC -C 11	57.8	54.5	56.1	58.1	59.0	62.0	58.5	52.5	59.5	59.8	71.7
17	BISCO - 902	57.3	52.0	54.6	57.5	58.5	60.5	59.0	52.3	59.3	59.0	71.3
18	P R O - 359	56.5	53.0	54.8	57.6	57.5	62.0	60.0	52.8	61.0	59.0	71.3
19	P A C 71062	56.3	55.5	55.9	58.8	61.8	62.5	58.0	53.3	61.3	60.0	73.0
20	N E C H - 117	57.5	56.0	56.8	58.9	62.0	62.0	58.5	53.5	61.5	59.5	73.7
21	B I O - 20212	55.0	50.5	52.8	56.6	59.8	59.8	59.0	50.0	61.0	57.5	69.3
22	FILLER	53.8	51.5	52.6	56.5	58.0	60.5	57.5	50.0	60.3	57.5	70.7
23	POOJA	58.0	55.0	56.5	58.5	58.3	61.5	60.0	53.0	61.3	60.5	72.0
24	A A M H - 459	58.3	56.0	57.1	58.1	61.3	62.0	58.5	52.8	61.0	58.3	72.7
25	G K - 3047	55.8	49.5	52.6	56.1	58.3	59.8	58.5	51.0	59.5	56.8	69.0
	CHECKS:											
26	P R O - 311	56.0	51.5	53.8	57.4	59.8	59.8	58.5	52.3	60.3	57.8	70.7
27	DECCAN - 103	53.3	54.0	53.6	55.7	57.0	59.5	57.0	50.5	61.0	58.0	70.5
28	B I O - 9681	56.0	49.0	52.5	55.8	56.8	59.5	59.5	49.5	59.8	56.8	67.3
29	GANGA - 11	57.0	59.0	58.0	58.4	60.0	62.3	57.5	52.3	61.5	57.8	76.0
	MEAN LOCATION	56.6	53.4	55.0	57.5	59.6	61.2	58.7	51.8	60.7	58.4	71.8
	C.D. AT 5%=	1.2	3.9	2.6	-	3.3	2.0	2.3	0.6	1.7	1.2	2.7
	C.V. % =	1.6	3.5	-	-	4.0	2.3	2.7	0.9	2.0	1.4	2.3
	F (Prob)	.000	.000	-	-	.000	.000	.159	.000	.001	.000	.000

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	59.7	62.3	59.9	58.8	52.0	55.4	58.9
2	B H - 2348	62.7	62.0	61.7	60.3	60.0	60.1	61.6
3	B H - 2356	61.7	63.0	62.1	59.5	56.0	57.8	61.8
4	B H - 2854	61.7	63.5	61.6	60.8	56.0	58.4	61.0
5	B H - 2202	62.7	62.5	62.1	59.3	56.5	57.9	61.3
6	A H - 01410	57.7	59.8	58.6	55.5	51.0	53.3	57.5
7	A H - 01415	54.7	63.8	58.7	56.3	52.0	54.1	57.7
8	H K H - 1215	57.7	60.5	58.9	57.5	54.0	55.8	58.3
9	101509 x 101515	63.3	58.8	61.5	60.3	57.5	58.9	61.0
10	101510 x 101515	63.0	62.5	62.1	60.0	58.5	59.3	61.5
11	101511 x 101515	59.3	58.5	59.6	57.8	55.0	56.4	58.9
12	X - 1280 B	60.0	58.0	59.6	58.5	56.0	57.3	59.9
13	M C H - 2	60.3	60.3	60.7	58.0	54.0	56.0	60.0
14	M C H - 4	60.0	62.0	60.9	58.5	56.5	57.5	60.4
15	X - 2001	58.3	59.0	59.0	55.8	51.0	53.4	58.0
16	SEEDTEC -C 11	59.7	63.0	60.7	59.0	56.0	57.5	60.1
17	BISCO - 902	60.3	61.8	60.4	58.8	53.5	56.1	59.5
18	P R O - 359	61.0	61.0	60.9	58.5	55.5	57.0	60.0
19	P A C 71062	63.0	64.0	61.8	58.8	58.0	58.4	61.2
20	N E C H - 117	61.3	61.3	61.3	58.5	56.0	57.3	60.7
21	B I O - 20212	58.3	61.3	59.5	56.3	53.0	54.6	58.7
22	FILLER	57.7	62.5	59.4	55.3	53.0	54.1	58.4
23	POOJA	61.0	61.3	61.3	59.0	55.0	57.0	60.3
24	A A M H - 459	62.3	61.5	61.0	60.0	58.0	59.0	60.8
25	G K - 3047	58.3	61.3	59.2	57.3	53.0	55.1	58.4
	CHECKS:							
26	P R O - 311	59.0	63.3	60.2	57.3	51.5	54.4	59.1
27	DECCAN - 103	57.7	57.8	58.9	56.3	58.0	57.1	58.5
28	B I O - 9681	56.7	62.8	58.9	56.5	49.5	53.0	57.7
29	GANGA - 11	62.3	61.0	61.2	59.8	61.0	60.4	61.0
	MEAN LOCATION	60.0	61.4	60.4	58.2	55.1	56.6	59.7
	C.D. AT 5%=	1.2	1.1	1.5	1.2	2.5	1.8	-
	C.V. % =	1.2	1.3	-	1.5	2.2	-	-
	F (Prob)	.000	.000	-	.000	.000	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 2 LUDH	ZN 3 AMBI	HYDE	KARI	BANG MONS	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	92.0	107.3	90.0	91.8	107.0	105.3	98.5	90.0	88.0	89.0	96.4
2	B H - 2348	96.0	106.8	92.0	93.0	111.8	105.8	100.6	93.3	93.5	93.4	99.0
3	B H - 2356	101.3	106.0	95.8	91.3	111.3	105.3	100.9	95.3	94.0	94.6	100.0
4	B H - 2854	97.8	106.8	90.8	92.5	109.5	107.5	100.1	91.8	91.0	91.4	98.4
5	B H - 2202	98.8	106.5	92.0	93.0	111.3	105.0	100.3	93.5	93.5	93.5	99.2
6	A H - 01410	93.0	105.3	92.5	91.0	107.0	104.8	98.8	91.8	88.5	90.1	96.7
7	A H - 01415	90.0	106.8	86.8	91.8	106.8	105.3	97.6	90.5	91.0	90.8	96.1
8	H K H - 1215	94.8	106.5	89.5	91.0	107.8	104.5	98.2	90.3	91.0	90.6	96.9
9	101509 x 101515	98.0	106.3	89.5	91.8	111.5	105.0	99.4	93.0	94.0	93.5	98.6
10	101510 x 101515	99.3	108.0	88.5	93.0	111.5	105.0	99.5	93.3	94.5	93.9	99.1
11	101511 x 101515	95.0	107.8	89.5	91.8	109.8	100.8	97.9	88.3	90.5	89.4	96.7
12	X - 1280 B	100.5	107.8	88.5	92.0	108.5	104.8	98.4	96.5	95.0	95.8	99.2
13	M C H - 2	101.3	106.8	91.0	93.0	111.0	103.8	99.7	92.8	94.0	93.4	99.2
14	M C H - 4	101.5	108.0	88.0	92.5	112.0	104.8	99.3	93.5	94.5	94.0	99.3
15	X - 2001	96.5	107.5	93.3	92.5	108.3	103.5	99.4	96.5	92.5	94.5	98.8
16	SEEDTEC -C 11	98.0	107.8	92.8	92.5	111.5	107.0	100.9	92.3	94.0	93.1	99.5
17	BISCO - 902	97.3	106.3	89.0	92.5	110.5	105.0	99.3	92.3	94.0	93.1	98.3
18	P R O - 359	94.8	107.0	90.5	93.0	110.5	105.3	99.8	93.8	93.5	93.6	98.5
19	P A C 71062	95.8	106.8	89.8	93.0	111.8	107.5	100.5	91.5	93.0	92.3	98.6
20	N E C H - 117	98.3	105.3	94.5	93.5	110.8	104.8	100.9	92.3	90.5	91.4	98.7
21	B I O - 20212	96.3	107.5	90.8	91.8	109.3	104.8	99.1	92.3	92.5	92.4	98.1
22	FILLER	97.3	105.5	91.5	92.3	108.5	105.3	99.4	96.3	94.5	95.4	98.9
23	POOJA	96.0	106.5	91.3	93.0	112.3	105.3	100.4	92.5	93.0	92.8	98.7
24	A A M H - 459	95.0	105.8	90.8	91.8	109.0	105.3	99.2	91.5	92.0	91.8	97.6
25	G K - 3047	91.0	105.8	89.5	91.5	107.5	104.5	98.3	90.5	89.0	89.8	96.2
	CHECKS:											
26	P R O - 311	93.8	105.3	90.0	92.5	109.0	106.0	99.4	92.3	92.0	92.1	97.6
27	DECCAN - 103	93.3	107.3	91.0	93.0	109.0	100.3	98.3	93.3	93.0	93.1	97.5
28	B I O - 9681	93.8	104.5	93.3	91.8	107.3	105.0	99.3	92.5	90.0	91.3	97.3
29	GANGA - 11	97.8	106.0	88.3	92.5	109.0	105.8	98.9	92.5	94.5	93.5	98.3
	MEAN LOCATION	96.3	106.6	90.7	92.3	109.7	104.9	99.4	92.6	92.4	92.5	98.2
	C.D. AT 5%=	3.2	2.4	5.7	1.7	1.9	1.8	2.8	1.2	3.2	2.2	-
	C.V. % =	2.3	1.6	4.5	1.3	1.2	1.2	-	0.9	1.7	-	-
	F (Prob)	.000	.239	.490	.203	.000	.000	-	.000	.002	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ZN 2 LUDH	HYDE	HYDE GANG	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	23.0	23.0	17.8	26.1	21.7	27.8	16.0	22.1	13.8	18.1	15.9	20.8
2	B H - 2348	34.5	25.1	17.1	26.9	22.6	31.8	16.3	23.3	19.2	19.0	19.1	23.6
3	B H - 2356	40.0	26.0	17.1	27.5	21.4	31.8	16.3	23.3	20.3	17.9	19.1	24.2
4	B H - 2854	33.3	26.0	16.9	27.4	23.8	30.1	16.3	23.4	15.4	17.5	16.5	23.0
5	B H - 2202	32.0	27.9	17.0	28.8	24.2	32.1	15.9	24.3	19.3	17.7	18.5	23.9
6	A H - 01410	24.5	24.1	17.3	26.3	20.5	28.5	15.7	22.1	13.9	16.0	14.9	20.7
7	A H - 01415	25.1	23.9	17.3	26.5	19.4	28.1	17.9	22.2	15.8	17.2	16.5	21.2
8	H K H - 1215	24.0	24.6	17.3	27.2	18.3	29.6	16.1	22.2	15.1	16.7	15.9	21.0
9	101509 x 101515	25.6	23.1	17.5	26.9	22.4	32.1	16.8	23.1	15.1	18.1	16.6	22.0
10	101510 x 101515	34.7	26.9	17.5	27.3	23.1	30.6	17.6	23.8	15.3	17.5	16.4	23.4
11	101511 x 101515	33.6	24.0	17.5	26.8	22.1	28.1	16.8	22.5	16.5	16.2	16.4	22.4
12	X - 1280 B	24.3	24.0	17.3	26.9	19.3	27.7	17.9	22.2	16.0	17.5	16.8	21.2
13	M C H - 2	24.8	25.1	16.4	26.6	27.1	29.6	15.9	23.5	15.5	17.6	16.6	22.1
14	M C H - 4	25.4	24.4	16.3	27.5	26.1	30.1	17.1	23.6	18.8	16.7	17.7	22.5
15	X - 2001	25.6	20.3	17.4	26.5	22.2	30.3	16.5	22.2	16.9	16.3	16.6	21.3
16	SEEDTEC -C 11	32.3	27.2	17.3	27.5	22.6	30.7	16.8	23.7	18.4	17.5	18.0	23.4
17	BISCO - 902	31.5	26.9	16.3	26.4	23.5	31.1	17.4	23.6	18.1	16.8	17.4	23.1
18	P R O - 359	29.3	26.5	17.2	30.1	25.8	32.6	15.9	24.7	15.7	17.0	16.3	23.4
19	P A C 71062	31.9	24.1	17.4	28.0	23.1	27.7	15.9	22.7	15.0	16.8	15.9	22.2
20	N E C H - 117	31.1	27.1	17.1	28.3	22.9	30.6	16.1	23.7	16.0	18.7	17.4	23.1
21	B I O - 20212	24.3	23.2	17.6	26.2	22.4	28.6	16.7	22.4	16.3	16.7	16.5	21.3
22	FILLER	24.0	21.5	17.8	27.4	22.4	32.2	15.4	22.8	13.9	16.1	15.0	21.2
23	POOJA	30.2	26.0	17.3	27.8	25.1	30.9	18.0	24.2	16.9	17.8	17.4	23.3
24	A A M H - 459	25.4	25.6	17.1	27.4	22.7	31.3	16.4	23.4	17.1	18.3	17.7	22.4
25	G K - 3047	24.0	24.2	17.3	27.1	18.3	29.0	16.5	22.1	15.1	16.7	15.9	20.9
	CHECKS:												
26	P R O - 311	24.3	24.6	17.2	27.5	22.0	31.3	15.8	23.1	15.3	17.8	16.5	21.8
27	DECCAN - 103	23.8	24.1	17.4	26.4	17.9	27.0	17.4	21.7	15.8	17.3	16.6	20.8
28	B I O - 9681	24.3	21.3	17.2	27.4	21.3	27.9	16.7	22.0	16.1	17.0	16.5	21.0
29	GANGA - 11	33.9	24.3	17.4	27.0	21.8	29.3	17.1	22.8	15.3	18.8	17.0	22.8
	MEAN LOCATION	28.3	24.7	17.2	27.2	22.3	29.9	16.6	23.0	16.3	17.3	16.8	22.2
	C.D. AT 5%=	5.0	2.1	0.4	2.0	3.1	2.2	0.9	1.8	0.4	0.8	0.6	-
	C.V. % =	12.5	6.0	1.9	5.2	8.6	4.5	3.7	-	1.7	2.3	-	-
	F (Prob)	.000	.000	.000	.098	.000	.000	.000	-	.000	.000	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * HYDE	KARI	BANG POCB	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	2.4	2.5	3.8	2.0	2.7	2.5	2.0	2.3	2.5
2	B H - 2348	2.5	2.0	2.5	1.8	2.2	1.8	1.5	1.6	2.0
3	B H - 2356	2.5	2.8	2.5	2.5	2.6	1.8	1.5	1.6	2.3
4	B H - 2854	2.4	2.5	3.5	2.0	2.6	1.8	1.0	1.4	2.2
5	B H - 2202	2.3	3.3	2.5	1.8	2.4	1.9	1.3	1.5	2.1
6	A H - 01410	2.6	2.8	3.5	2.0	2.7	2.6	1.5	2.0	2.5
7	A H - 01415	2.5	2.3	2.7	2.0	2.4	2.3	2.0	2.2	2.3
8	H K H - 1215	2.4	2.5	3.3	2.0	2.6	2.3	1.5	1.9	2.3
9	101509 x 101515	2.5	2.5	2.8	2.0	2.5	2.0	1.3	1.6	2.2
10	101510 x 101515	2.5	2.3	2.3	2.5	2.4	2.0	1.8	1.9	2.2
11	101511 x 101515	2.5	2.8	2.5	2.0	2.4	2.4	1.8	2.1	2.3
12	X - 1280 B	2.5	2.8	2.3	2.0	2.4	2.0	1.0	1.5	2.1
13	M C H - 2	2.4	2.5	2.0	2.3	2.3	2.2	1.3	1.7	2.1
14	M C H - 4	2.3	3.0	2.0	1.5	2.2	1.9	1.5	1.7	2.0
15	X - 2001	2.3	2.5	2.0	1.3	2.0	2.0	1.3	1.6	1.9
16	SEEDTEC -C 11	2.4	2.5	2.5	2.5	2.5	2.3	1.8	2.0	2.3
17	BISCO - 902	2.5	2.5	2.0	1.8	2.2	2.2	1.3	1.7	2.0
18	P R O - 359	2.4	3.0	2.2	1.5	2.3	2.1	1.3	1.7	2.1
19	P A C 71062	2.4	2.3	2.3	2.0	2.2	2.4	1.8	2.1	2.2
20	N E C H - 117	2.1	2.3	2.0	2.0	2.1	1.8	1.8	1.8	2.0
21	B I O - 20212	2.5	2.8	2.5	1.3	2.3	2.4	1.0	1.7	2.1
22	FILLER	2.5	3.0	1.8	1.8	2.3	2.0	1.8	1.9	2.1
23	POOJA	2.4	2.5	1.5	2.0	2.1	1.9	1.3	1.6	1.9
24	A A M H - 459	2.0	2.3	2.7	1.5	2.1	2.3	1.8	2.0	2.1
25	G K - 3047	2.5	3.0	3.7	2.0	2.8	2.3	1.5	1.9	2.5
	CHECKS:									
26	P R O - 311	2.5	3.0	2.7	2.0	2.5	2.1	1.5	1.8	2.3
27	DECCAN - 103	2.4	3.0	3.3	2.0	2.7	1.8	1.5	1.7	2.3
28	B I O - 9681	2.6	2.8	2.3	2.0	2.4	2.2	1.0	1.6	2.1
29	GANGA - 11	2.4	2.3	3.5	1.3	2.3	2.2	1.8	2.0	2.2
	MEAN LOCATION	2.4	2.6	2.6	1.9	2.4	2.1	1.5	1.8	2.2
	C.D. AT 5%=	0.3	0.7	0.6	0.5	0.5	0.3	0.8	0.5	-
	C.V. % =	8.5	19.4	14.1	18.8	-	8.5	25.1	-	-
	F (Prob)	.023	.080	.000	.000	-	.000	.272	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * HYDE	KARI	BANG MONS	BANG POCB	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	2.6	1.0	1.5	3.2	2.0	2.1	2.3	1.3	1.8	2.0
2	B H - 2348	2.4	1.3	1.3	2.0	1.8	1.7	2.2	1.3	1.7	1.7
3	B H - 2356	2.9	1.5	1.3	1.7	2.5	2.0	2.2	1.5	1.9	1.9
4	B H - 2854	2.8	1.8	1.3	2.2	2.3	2.0	2.2	1.8	2.0	2.0
5	B H - 2202	2.4	1.3	1.3	1.7	1.8	1.7	1.9	1.3	1.6	1.6
6	A H - 01410	3.0	1.8	2.0	2.8	1.8	2.3	2.2	2.0	2.1	2.2
7	A H - 01415	2.9	1.3	1.3	2.7	2.3	2.1	2.0	1.5	1.8	2.0
8	H K H - 1215	2.6	1.8	2.0	2.8	1.5	2.1	2.2	1.3	1.7	2.0
9	101509 x 101515	2.9	1.5	1.3	2.5	1.8	2.0	2.3	1.3	1.8	1.9
10	101510 x 101515	3.0	2.5	1.8	2.7	2.8	2.5	2.2	1.5	1.8	2.3
11	101511 x 101515	2.5	2.0	1.3	2.3	1.5	1.9	2.3	1.3	1.8	1.9
12	X - 1280 B	2.6	1.8	1.0	1.8	3.0	2.0	2.1	1.5	1.8	2.0
13	M C H - 2	2.9	1.0	1.0	1.5	2.3	1.7	1.8	1.0	1.4	1.6
14	M C H - 4	2.6	1.5	1.0	1.7	2.3	1.8	2.0	1.3	1.6	1.8
15	X - 2001	2.5	2.0	1.3	1.7	1.8	1.8	2.1	1.0	1.5	1.7
16	SEEDTEC -C 11	2.5	1.5	1.5	2.0	1.8	1.9	1.8	1.0	1.4	1.7
17	BISCO - 902	2.8	1.3	1.0	1.8	1.5	1.7	1.8	1.0	1.4	1.6
18	P R O - 359	2.8	2.0	1.0	1.5	1.5	1.8	2.2	1.3	1.7	1.7
19	P A C 71062	2.6	1.8	1.0	1.7	2.3	1.9	1.9	1.5	1.7	1.8
20	N E C H - 117	2.5	1.8	1.3	1.8	2.0	1.9	2.0	1.0	1.5	1.8
21	B I O - 20212	2.6	2.3	1.5	2.3	2.0	2.1	2.0	1.5	1.7	2.0
22	FILLER	2.8	2.0	1.5	1.7	1.8	1.9	2.0	1.8	1.9	1.9
23	POOJA	2.9	1.3	1.5	2.0	3.0	2.1	2.1	1.3	1.7	2.0
24	A A M H - 459	2.3	1.0	1.3	1.7	1.3	1.5	1.9	1.5	1.7	1.6
25	G K - 3047	2.6	2.5	1.3	2.8	1.0	2.0	2.0	1.3	1.6	1.9
	CHECKS:										
26	P R O - 311	2.5	2.0	1.5	2.7	2.3	2.2	2.2	1.3	1.7	2.0
27	DECCAN - 103	2.8	2.0	1.5	3.5	2.3	2.4	2.2	2.0	2.1	2.3
28	B I O - 9681	2.6	2.5	1.5	2.2	2.3	2.2	2.3	1.0	1.6	2.0
29	GANGA - 11	2.8	2.5	1.8	3.0	1.8	2.3	1.8	1.8	1.8	2.2
	MEAN LOCATION	2.7	1.7	1.4	2.2	2.0	2.0	2.1	1.4	1.7	1.9
	C.D. AT 5%=	0.5	0.8	0.8	0.6	1.0	0.7	0.3	0.5	0.4	-
	C.V. % =	12.9	33.3	40.7	16.3	35.3	-	11.8	19.5	-	-
	F (Prob)	.274	.000	.438	.000	.016	-	.047	.014	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	HUSK COVER HYDE	HUSK COVER KARI	* BANG MONS	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN	UNIFORMITY HYDE	UNIFORMITY KARI	* COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	J H - 10535	2.5	1.8	1.8	1.0	1.8	2.3	1.9	2.5	2.3	2.0	2.3	2.4	2.3
2	B H - 2348	2.4	1.8	1.0	2.3	1.8	1.8	1.8	2.5	2.3	2.3	2.3	1.8	2.2
3	B H - 2356	2.6	2.0	1.0	2.0	1.9	2.0	1.9	2.8	2.8	2.3	2.6	2.0	2.4
4	B H - 2854	2.4	2.0	1.8	1.8	2.0	2.4	2.0	2.6	2.3	2.0	2.3	2.2	2.3
5	B H - 2202	2.4	2.0	1.8	2.0	2.0	1.9	2.0	2.3	3.0	3.0	2.8	2.0	2.6
6	A H - 01410	2.5	1.8	1.5	2.3	2.0	2.4	2.1	2.8	3.3	2.5	2.8	2.4	2.7
7	A H - 01415	2.8	1.3	2.3	1.8	2.0	2.2	2.0	2.6	2.3	2.0	2.3	2.4	2.3
8	H K H - 1215	2.5	2.0	1.8	2.0	2.1	2.3	2.1	2.5	2.5	2.3	2.4	2.2	2.4
9	101509 x 101515	2.5	2.0	1.0	2.3	1.9	2.2	2.0	2.8	2.5	2.5	2.6	2.3	2.5
10	101510 x 101515	2.5	2.3	1.0	2.3	2.0	2.0	2.0	2.5	2.8	2.0	2.4	2.3	2.4
11	101511 x 101515	2.4	2.0	1.5	1.8	1.9	2.4	2.0	2.5	2.8	2.5	2.6	2.5	2.5
12	X - 1280 B	2.4	1.8	2.0	2.0	2.0	1.8	2.0	2.6	3.0	2.3	2.6	2.1	2.5
13	M C H - 2	2.4	1.8	1.0	1.8	1.7	2.1	1.8	2.8	2.5	2.3	2.5	2.2	2.4
14	M C H - 4	2.3	1.5	1.0	2.3	1.8	2.1	1.8	2.6	2.3	2.3	2.4	2.0	2.3
15	X - 2001	2.0	1.8	1.8	2.0	1.9	1.9	1.9	2.3	2.8	2.5	2.5	2.0	2.4
16	SEEDTEC -C 11	2.3	1.5	1.3	2.0	1.8	2.3	1.9	2.5	2.8	2.5	2.6	2.3	2.5
17	BISCO - 902	2.3	1.8	1.0	2.0	1.8	2.1	1.8	2.6	2.8	2.3	2.5	2.3	2.5
18	P R O - 359	2.5	2.3	1.3	2.0	2.0	2.1	2.0	2.6	2.8	2.8	2.7	2.5	2.6
19	P A C 71062	2.1	1.5	1.3	2.0	1.7	2.3	1.8	2.4	3.0	1.5	2.3	2.3	2.3
20	N E C H - 117	2.0	2.0	1.3	1.0	1.6	1.8	1.6	2.4	2.5	2.0	2.3	1.9	2.2
21	B I O - 20212	2.6	1.5	1.8	2.3	2.0	2.2	2.1	2.6	2.8	2.8	2.7	2.3	2.6
22	FILLER	2.4	2.0	1.3	2.0	1.9	2.0	1.9	2.6	2.5	2.5	2.5	1.9	2.4
23	POOJA	2.3	1.8	1.0	2.0	1.8	2.0	1.8	2.5	2.0	3.0	2.5	2.0	2.4
24	A A M H - 459	2.1	2.0	1.5	1.8	1.8	2.0	1.9	2.0	2.3	2.5	2.3	2.3	2.3
25	G K - 3047	2.5	1.8	2.5	1.3	2.0	2.5	2.1	2.5	2.8	2.3	2.5	2.3	2.4
	CHECKS:													
26	P R O - 311	2.5	1.8	1.0	2.8	2.0	2.0	2.0	2.6	2.5	2.5	2.5	2.3	2.5
27	DECCAN - 103	2.4	2.3	1.3	2.3	2.0	2.1	2.0	2.6	3.0	2.5	2.7	2.3	2.6
28	B I O - 9681	2.3	2.0	2.0	2.8	2.3	2.2	2.2	2.6	3.0	2.0	2.5	2.3	2.5
29	GANGA - 11	2.4	2.3	1.3	1.5	1.8	2.2	1.9	2.5	2.8	2.5	2.6	2.2	2.5
	MEAN LOCATION	2.4	1.9	1.4	2.0	1.9	2.1	1.9	2.5	2.6	2.3	2.5	2.2	2.4
	C.D. AT 5%=	0.4	0.8	0.8	0.7	0.7	0.2	-	0.5	0.9	0.9	0.7	0.2	-
	C.V. % =	12.0	30.4	41.5	26.7	-	8.1	-	12.8	24.0	26.0	-	7.5	-
	F (Prob)	.066	.720	.007	.001	-	.000	-	.400	.578	.328	-	.000	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 2 LUDH	ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	145	208	249	138	199	233	221	168	201	224	150	187	194
2	B H - 2348	170	210	252	173	208	280	240	204	226	283	185	234	220
3	B H - 2356	178	214	251	159	193	270	245	181	216	285	195	240	217
4	B H - 2854	165	214	246	157	215	253	251	173	216	270	168	219	211
5	B H - 2202	186	220	250	170	191	267	246	195	220	269	193	231	219
6	A H - 01410	153	204	250	149	180	237	215	179	202	250	180	215	200
7	A H - 01415	154	200	251	154	201	233	229	178	208	229	160	194	199
8	H K H - 1215	153	210	249	146	179	233	223	161	199	243	148	195	194
9	101509 x 101515	189	207	248	152	245	247	240	186	220	278	188	233	218
10	101510 x 101515	169	219	249	157	206	273	240	189	219	281	180	231	216
11	101511 x 101515	163	210	250	146	206	240	240	173	209	246	170	208	204
12	X - 1280 B	163	213	248	167	209	263	252	193	222	283	190	236	218
13	M C H - 2	153	221	249	145	206	260	235	174	212	261	183	222	209
14	M C H - 4	148	222	249	134	171	233	232	177	199	249	170	209	198
15	X - 2001	161	217	249	160	193	247	241	196	214	260	173	216	209
16	SEEDTEC -C 11	143	220	255	153	186	257	242	177	211	253	163	208	205
17	BISCO - 902	146	207	249	154	176	250	236	166	205	243	173	208	200
18	P R O - 359	159	225	248	161	206	260	232	146	209	275	175	225	209
19	P A C 71062	163	207	251	162	220	260	242	180	219	280	160	220	212
20	N E C H - 117	168	221	252	168	208	250	239	186	217	270	178	224	214
21	B I O - 20212	161	217	250	155	213	263	243	176	217	258	183	220	212
22	FILLER	160	213	251	161	220	267	256	178	222	279	163	221	215
23	POOJA	160	199	257	146	190	247	236	181	209	240	168	204	202
24	A A M H - 459	170	217	257	152	229	257	239	183	219	249	155	202	211
25	G K - 3047	166	207	255	163	189	230	242	190	211	270	145	208	206
	CHECKS:													
26	P R O - 311	163	211	248	159	211	250	234	171	212	243	173	208	206
27	DECCAN - 103	159	217	251	155	173	240	245	191	209	258	170	214	206
28	B I O - 9681	163	221	257	163	223	250	231	187	218	258	170	214	212
29	GANGA - 11	171	219	256	163	195	263	240	184	217	263	165	214	212
	MEAN LOCATION	162	213	251	156	201	252	238	180	213	260	171	216	209
	C.D. AT 5%=	15.0	17.1	2.9	11.7	31.4	24.6	12.8	8.2	15.3	21.0	31.4	26.2	-
	C.V. % =	6.6	5.7	0.8	5.3	11.1	6.0	3.3	3.2	-	5.8	9.0	-	-
	F (Prob)	.000	.231	.000	.000	.001	.003	.000	.000	-	.000	.169	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 2 LUDH	ZN 3 AMBI	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	ZN 4 MEAN	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10535	61	75	103	51	120	103	82	76	89	105	70	88	85
2	B H - 2348	86	71	104	67	123	135	103	101	105	141	80	111	101
3	B H - 2356	71	79	106	70	119	97	96	81	95	123	85	104	93
4	B H - 2854	78	80	109	68	130	107	110	95	103	131	73	102	98
5	B H - 2202	76	73	107	54	110	97	97	96	93	133	90	111	93
6	A H - 01410	66	73	109	51	108	100	91	86	91	114	80	97	88
7	A H - 01415	71	74	114	60	116	93	98	91	95	125	80	103	92
8	H K H - 1215	66	71	115	51	101	100	84	86	89	115	58	86	85
9	101509 x 101515	95	82	109	71	144	117	106	107	109	138	98	118	107
10	101510 x 101515	90	83	108	66	139	127	105	98	107	154	108	131	108
11	101511 x 101515	79	90	116	53	138	113	103	95	103	125	85	105	100
12	X - 1280 B	65	78	107	58	124	83	99	91	94	119	80	99	90
13	M C H - 2	63	76	108	50	126	113	85	84	94	118	80	99	90
14	M C H - 4	64	80	114	59	108	90	92	83	91	120	85	103	89
15	X - 2001	70	77	107	50	113	97	92	94	92	116	75	96	89
16	SEEDTEC -C 11	64	84	106	55	115	113	106	89	97	121	80	101	93
17	BISCO - 902	68	82	106	56	109	110	91	88	93	121	75	98	91
18	P R O - 359	55	73	109	67	116	93	83	86	93	110	75	93	87
19	P A C 71062	78	79	105	55	133	113	103	97	101	141	68	104	97
20	N E C H - 117	69	78	105	61	116	107	97	97	97	128	85	106	94
21	B I O - 20212	68	75	107	57	114	107	94	85	94	104	75	89	88
22	FILLER	58	68	107	55	130	110	103	88	99	108	73	90	90
23	POOJA	71	79	107	61	118	110	97	87	97	114	85	99	93
24	A A M H - 459	75	79	107	51	126	117	93	87	97	118	58	88	91
25	G K - 3047	64	75	107	47	108	80	90	80	85	109	80	94	84
	CHECKS:													
26	P R O - 311	76	83	113	59	131	103	100	89	99	115	85	100	95
27	DECCAN - 103	70	81	107	57	111	95	105	92	95	106	80	93	90
28	B I O - 9681	64	76	106	52	119	93	86	89	91	108	80	94	87
29	GANGA - 11	86	86	109	59	119	120	101	90	100	129	85	107	98
	MEAN LOCATION	71	78	108	58	120	105	96	90	96	121	80	100	93
	C.D. AT 5%=	13.1	9.0	2.4	10.2	17.7	23.6	12.3	5.6	12.0	13.0	20.1	16.6	-
	C.V. % =	13.1	8.2	1.6	12.6	10.5	13.8	7.8	4.4	-	7.7	12.3	-	-
	F (Prob)	.000	.001	.000	.000	.000	.006	.000	.000	-	.000	.027	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	H.tur* BANG POCB	EAR No. / PLANT ZN 2 LUDH	ZN 3 AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG PROA	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	J H - 10535	4.0	1.14	1.10	1.04	1.08	0.88	0.99	0.99	1.00	0.97	1.02
2	B H - 2348	2.3	1.16	1.31	1.06	1.08	0.94	0.99	1.13	1.04	0.99	1.08
3	B H - 2356	2.0	1.11	1.22	1.00	1.08	0.94	1.04	1.00	1.01	0.93	1.04
4	B H - 2854	2.8	1.01	1.05	1.09	1.10	1.06	1.01	1.01	1.05	0.95	1.03
5	B H - 2202	1.5	1.18	1.14	1.03	1.08	0.98	1.01	1.00	1.02	0.98	1.05
6	A H - 01410	3.2	1.03	1.04	1.00	1.09	0.98	1.00	1.00	1.01	0.92	1.01
7	A H - 01415	2.3	1.07	1.12	1.05	1.08	1.01	1.03	1.00	1.04	0.95	1.04
8	H K H - 1215	2.7	1.16	1.30	1.10	1.09	1.01	1.00	1.00	1.04	0.96	1.08
9	101509 x 101515	2.0	1.15	1.08	1.04	1.06	1.00	1.06	1.00	1.03	0.99	1.05
10	101510 x 101515	1.8	1.16	1.20	1.03	1.09	0.98	1.00	1.00	1.02	0.99	1.05
11	101511 x 101515	1.5	0.96	1.10	1.04	1.06	1.00	1.00	1.00	1.02	0.98	1.02
12	X - 1280 B	2.3	1.07	1.20	1.10	1.10	1.02	1.00	1.00	1.05	0.98	1.06
13	M C H - 2	1.8	0.99	1.35	1.04	1.08	0.95	0.99	1.00	1.01	0.97	1.05
14	M C H - 4	1.5	0.96	1.09	1.06	1.07	1.01	0.99	1.00	1.03	1.04	1.03
15	X - 2001	1.5	1.02	1.12	1.05	1.07	0.97	0.96	1.00	1.01	1.00	1.02
16	SEEDTEC -C 11	1.8	1.13	1.18	1.08	1.09	0.99	1.01	1.01	1.04	1.01	1.06
17	BISCO - 902	2.0	0.89	1.24	1.07	1.06	0.98	0.98	1.00	1.02	1.05	1.03
18	P R O - 359	2.2	0.99	1.08	1.08	1.08	0.92	1.03	1.00	1.02	0.96	1.02
19	P A C 71062	1.5	1.03	1.06	1.07	1.07	0.98	1.00	1.04	1.03	0.99	1.03
20	N E C H - 117	1.5	1.10	1.05	1.07	1.05	1.04	1.01	1.00	1.03	0.95	1.03
21	B I O - 20212	2.5	1.07	1.13	1.02	1.09	0.98	0.99	1.02	1.02	0.97	1.03
22	FILLER	1.5	1.06	1.11	1.04	1.07	0.99	1.00	1.00	1.02	1.00	1.03
23	POOJA	1.5	1.01	1.05	1.04	1.08	0.98	1.00	1.00	1.02	0.99	1.02
24	A A M H - 459	1.5	1.10	1.14	1.07	1.06	0.98	1.03	1.00	1.03	0.96	1.04
25	G K - 3047	2.5	1.04	1.08	1.08	1.07	1.01	1.00	1.00	1.03	1.02	1.04
	CHECKS:											
26	P R O - 311	1.5	1.15	1.21	1.14	1.06	1.01	1.03	1.00	1.05	0.97	1.07
27	DECCAN - 103	2.3	1.04	1.10	1.06	1.05	0.98	1.02	1.00	1.02	1.00	1.03
28	B I O - 9681	2.2	1.17	1.15	1.05	1.08	0.97	1.00	1.00	1.02	1.02	1.06
29	GANGA - 11	3.7	1.18	1.11	1.01	1.06	1.04	1.00	1.00	1.02	1.05	1.06
	MEAN LOCATION	2.1	-	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	1.0	-	-	-	-	-	-	-	-	-	-
	C.V. % =	27.6	-	-	-	-	-	-	-	-	-	-
	F (Prob)	.000	-	-	-	-	-	-	-	-	-	-

TABLE NO. 2 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST LUDH	AMBI	HYDE	HYDE GANG	KARI	BANG MONS	BANG POCB	BANG PROA	COIM	UDAI	CHHI	OV'L MEAN
1	J H - 10535	35	27	28	40	41	38	34	31	35	36	36	35
2	B H - 2348	25	20	26	39	41	41	24	33	37	32	24	31
3	B H - 2356	31	32	25	39	42	41	30	32	38	33	22	33
4	B H - 2854	30	32	21	41	40	39	32	31	37	36	35	34
5	B H - 2202	35	27	31	40	41	40	34	34	37	36	29	35
6	A H - 01410	31	31	18	40	42	40	34	31	38	31	29	33
7	A H - 01415	34	30	25	40	40	38	34	32	37	32	32	34
8	H K H - 1215	33	29	29	40	40	39	34	32	38	38	31	35
9	101509 x 101515	31	26	21	38	38	40	34	31	37	34	30	33
10	101510 x 101515	32	30	26	38	42	40	33	32	37	35	38	35
11	101511 x 101515	36	23	23	39	43	39	34	33	37	36	36	34
12	X - 1280 B	37	38	26	38	44	39	34	31	38	38	33	36
13	M C H - 2	32	30	25	39	41	40	34	32	37	32	31	34
14	M C H - 4	39	37	23	38	42	38	34	33	37	37	33	35
15	X - 2001	36	36	28	40	43	40	34	32	38	37	37	36
16	SEEDTEC -C 11	28	35	24	38	43	39	34	34	38	35	32	35
17	BISCO - 902	33	29	24	40	42	39	34	34	36	35	32	34
18	P R O - 359	36	36	20	39	42	39	34	32	37	36	31	35
19	P A C 71062	35	33	23	38	39	41	34	33	37	35	35	35
20	N E C H - 117	37	30	26	38	44	42	34	32	36	32	35	35
21	B I O - 20212	31	34	28	40	39	40	34	34	36	34	37	35
22	FILLER	35	33	24	38	41	40	34	33	38	28	24	33
23	POOJA	39	39	26	40	43	41	34	34	38	33	36	37
24	A A M H - 459	29	35	27	38	41	39	34	29	38	32	30	34
25	G K - 3047	34	34	20	38	41	37	29	32	37	33	37	34
	CHECKS:												
26	P R O - 311	39	37	19	39	42	40	34	32	38	34	21	34
27	DECCAN - 103	36	33	25	38	43	40	34	32	37	39	34	35
28	B I O - 9681	37	36	24	38	41	41	34	32	37	33	35	35
29	GANGA - 11	33	35	23	39	39	38	34	28	37	31	30	33
	MEAN LOCATION	34	32	24	39	41	39	33	32	37	34	32	34
	C.D. AT 5%=	5.2	6.2	6.0	2.1	6.1	3.4	3.2	2.7	0.8	4.1	12.9	-
	C.V. % =	10.9	13.9	17.6	3.8	10.6	6.2	5.9	5.1	1.5	8.6	19.8	-
	F (Prob)	.000	.000	.006	.104	.990	.543	.000	.020	.000	.000	.412	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 3

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, VARANASI, AMBIKAPUR, HYDERABAD, ARBHAVI, POC BANGALORE, MONSANTO BANGALORE, MANDYA, COIMBATORE, MAHABEEJ YEOTA, UDAIPUR, BANSWARA, GODHRA, IN IET, TRIAL No. TR62A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 BAJA	R	DELH	R	LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R
1	W C - 14 - 1 (DBM)	6605	18	4862	14	3938	23	4181	22	2643	19	3906	23
2	E H - 30969	5633	21	4023	21	4671	17	4335	18	3271	7	4075	18
3	E C - 3121	5640	20	3868	24	4631	19	4515	15	2986	12	4000	21
4	B H - 2359	7235	16	6143	2	5080	13	4660	14	3074	10	4739	8
5	H K H - 1169	3885	25	3943	23	3218	25	4327	19	2189	24	3419	25
6	H K H - 1199	4611	23	4125	20	4775	16	5056	9	2158	25	4029	20
7	H K H - 1208	7599	12	5105	10	6006	8	5635	3	3417	3	5041	3
8	A H - 017047	7593	13	3977	22	4615	20	5363	5	3010	11	4241	16
9	L - 166	6585	19	4889	13	4649	18	3842	23	2830	14	4052	19
10	X 1231 K	10386	1	5101	11	5739	9	5894	1	3199	8	4983	4
11	M C H - 7	9957	2	4312	19	6126	6	5663	2	2790	15	4723	9
12	X - 26	7592	14	5120	9	5561	11	4759	12	3370	4	4702	10
13	SEEDTEC - 1081	9724	3	6569	1	7766	1	4354	17	4194	1	5721	1
14	BISCO - 1102	8626	7	5567	5	4471	21	4260	21	2280	22	4144	17
15	P M Z - 237	8369	9	5630	3	6047	7	5316	7	2263	23	4814	7
16	N E C H - 120	7378	15	4783	16	7115	2	3766	24	3672	2	4834	6
17	FILLER	9023	6	5423	7	6317	4	4455	16	2290	21	4621	12
18	J K.M H - 1001	9499	4	4907	12	6282	5	5104	8	3290	6	4896	5
19	MAHABEEJ - 1100	4289	24	4838	15	3303	24	4891	10	2384	20	3854	24
20	A A M H - 513	9184	5	5313	8	5347	12	3628	25	3091	9	4345	13
21	STAR - 2001	7762	11	3403	25	5673	10	4757	13	3318	5	4288	15
22	SURYA - 116	8258	10	5443	6	6665	3	5512	4	2781	16	5101	2
	CHECKS:												
23	NAVJOT	5594	22	4705	18	4890	15	4864	11	2753	17	4303	14
24	DECCAN - 107	6816	17	4758	17	3958	22	4268	20	2858	13	3961	22
25	KH 510	8623	8	5618	4	4952	14	5342	6	2676	18	4647	11
	MEAN YIELD=	7459		4897		5272		4750		2912		4458	
	MEAN STAND	34		34		38		25		27		31	
	C.D. AT 5%=	982		1140		1317		1342		667		1117	
	C.V. % =	8.02		14.19		17.74		17.22		16.27		-	
	F (Prob)	.000		.003		.000		.030		.000		-	
	PLOT SIZE=	4.80		7.50		5.20		3.90		7.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	6-07		4-07		11-07		27-06		8-07		-	
	HARVEST DATE(2002)	6-11		16-10		10-10		26-09		10-10		-	
	IRRIGATION Nos	2		-		8		3		2		-	
	FERTILIZER APPLIED N	120		120		125		150		120		-	
	P	60		80		60		60		60		-	
	K	40		60		30		60		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 44.0% : DHOL 20.7% : KOLH 27.6% : SYNG 26.4% : CHHI 24.5%

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		VARA	R	AMBI	R	ZN 3 MEAN	R	HYDE	R	ARBH	R	BANG POCB	R	BANG MONS	R	MAND	R
1	W C - 14 - 1 (DBM)	2092	19	3457	19	2774	20	3759	13	5641	16	9337	10	4539	15	5709	20
2	E H - 30969	2125	18	4064	7	3094	11	3209	23	5010	21	5451	22	3684	19	5843	19
3	E C - 3121	2624	8	2973	23	2798	19	3361	20	5518	18	7921	15	3365	22	5429	22
4	B H - 2359	2506	10	3603	15	3055	14	4431	6	5617	17	8547	13	4919	10	7725	12
5	H K H - 1169	2388	12	3466	18	2927	17	1917	25	4387	24	5174	24	3389	21	4867	23
6	H K H - 1199	2880	6	4048	8	3464	6	3463	18	4111	25	4029	25	3351	23	4606	25
7	H K H - 1208	3425	3	3755	14	3590	4	4035	8	6596	5	8940	12	4836	11	5997	18
8	A H - 017047	1228	25	3053	22	2141	25	3293	22	4474	23	7783	17	3582	20	5529	21
9	L - 166	2378	14	3544	17	2961	15	3653	14	5932	14	7857	16	4660	13	6024	17
10	X 1231 K	2284	17	3882	11	3083	12	3867	10	6394	9	11907	3	6333	2	8089	10
11	M C H - 7	2385	13	4239	6	3312	7	3592	16	6166	12	7606	20	4207	17	8572	7
12	X - 26	2719	7	3545	16	3132	9	3902	9	6913	1	7664	19	4586	14	7766	11
13	SEEDTEC - 1081	3284	4	3890	10	3587	5	5360	1	6779	3	11516	4	6254	3	8261	9
14	BISCO - 1102	1732	21	4474	3	3103	10	4509	4	6350	10	9148	11	4973	9	9085	3
15	P M Z - 237	2422	11	3902	9	3162	8	3618	15	6007	13	11399	7	4341	16	8637	5
16	N E C H - 120	5700	1	4298	5	4999	1	4125	7	6681	4	13644	1	6683	1	8634	6
17	FILLER	4385	2	4704	1	4545	2	3536	17	6789	2	10167	9	4677	12	9323	1
18	J K M H - 1001	1510	24	4411	4	2960	16	3862	11	6407	8	12275	2	6035	4	8773	4
19	MAHABEEJ - 1100	2346	15	2514	25	2430	23	2824	24	4728	22	6767	21	3303	24	6985	15
20	A A M H - 513	3176	5	4639	2	3908	3	4540	3	6189	11	7721	18	4999	8	7434	14
21	STAR - 2001	1546	23	3210	21	2378	24	4486	5	5036	19	11451	6	5758	5	8515	8
22	SURYA - 116	2013	20	3803	13	2908	18	3819	12	6481	7	11458	5	5290	7	7568	13
	CHECKS:																
23	NAVJOT	2307	16	3843	12	3075	13	3363	19	5013	20	5428	23	3162	25	4675	24
24	DECCAN - 107	1646	22	3361	20	2503	22	3333	21	5730	15	7997	14	4054	18	6250	16
25	KH 510	2541	9	2875	24	2708	21	4667	2	6518	6	10979	8	5495	6	9299	2
	MEAN YIELD=	2546		3742		3144		3781		5819		8887		4659		7184	
	MEAN STAND	36		25		31		21		39		32		37		38	
	C.D. AT 5%=	555		915		735		1055		1087		2403		999		1418	
	C.V. % =	10.56		17.36		-		19.80		13.26		16.48		15.21		12.03	
	F (Prob)	.000		.000		-		.000		.000		.000		.000		.000	
	PLOT SIZE=	7.50		7.50		-		7.00		7.50		4.80		7.50		7.00	
	AGRONOMY DATA:																
	SOWING DATE(2002)	23-07		4-07		-		6-07		25-07		7-07		6-07		25-07	
	HARVEST DATE(2002)	30-10		-		-		23-10		22-11		5-12		15-11		28-11	
	IRRIGATION Nos	1		-		-		7		6		6		-		5	
	FERTILIZER APPLIED N	120		100		-		120		150		120		-		150	
	P	60		50		-		60		75		60		-		75	
	K	40		25		-		30		38		40		-		40	

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		COIM	R	YEOT MAHA	R	ZN 4 MEAN	R	UDAI	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	W C - 14 - 1 (DBM)	6775	13	1774	19	5362	16	4109	16	2433	22	2902	24	3148	19	4397	17
2	E H - 30969	5876	23	1745	21	4402	22	4174	15	2575	20	3256	14	3335	15	4056	21
3	E C - 3121	6019	20	1767	20	4769	19	4860	12	2825	4	3415	10	3700	10	4219	19
4	B H - 2359	6579	14	1725	22	5649	14	5231	9	2584	18	2972	21	3596	11	4861	15
5	H K H - 1169	5912	22	1451	25	3871	24	1723	25	2402	23	3106	18	2410	25	3397	25
6	H K H - 1199	5831	25	1530	24	3846	25	3503	21	2388	24	3057	20	2983	22	3737	24
7	H K H - 1208	6565	15	2038	17	5572	15	5742	5	2641	16	3950	2	4111	4	5075	13
8	A H - 017047	6474	16	1615	23	4678	20	3021	22	2698	10	2910	23	2876	24	4130	20
9	L - 166	5953	21	2246	15	5189	17	3774	18	2714	7	3400	12	3296	17	4408	16
10	X 1231 K	7415	8	3106	5	6730	5	4017	17	2682	12	3268	13	3322	16	5504	4
11	M C H - 7	8604	3	3003	7	5964	11	2112	24	3070	1	3962	1	3048	21	5080	12
12	X - 26	7607	7	2787	11	5889	12	6318	2	3002	2	3429	9	4250	2	5096	11
13	SEEDTEC - 1081	9024	2	3126	4	7189	2	6449	1	2686	11	3626	7	4254	1	6051	1
14	BISCO - 1102	8028	5	2616	12	6387	8	5040	11	2950	3	2564	25	3518	13	5098	10
15	P M Z - 237	8399	4	3493	3	6556	6	5763	4	2602	17	3222	15	3863	7	5378	7
16	N E C H - 120	9079	1	3941	2	7541	1	2862	23	2360	25	3409	11	2877	23	5772	2
17	FILLER	7157	9	2863	9	6359	9	5593	7	2658	14	2943	22	3732	9	5430	5
18	J K M H - 1001	7984	6	2968	8	6901	3	5135	10	2679	13	3746	3	3853	8	5580	3
19	MAHABEEJ - 1100	6023	19	1911	18	4649	21	3723	19	2654	15	3217	16	3198	18	3924	23
20	A A M H - 513	6934	11	2862	10	5811	13	5681	6	2750	6	3654	6	4028	5	5126	9
21	STAR - 2001	6468	17	3955	1	6524	7	4347	13	2707	9	3614	8	3556	12	5059	14
22	SURYA - 116	6800	12	2229	16	6235	10	5402	8	2582	19	3737	4	3907	6	5285	8
	CHECKS:																
23	NAVJOT	6233	18	2304	14	4311	23	3666	20	2531	21	3201	17	3133	20	4031	22
24	DECCAN - 107	5838	24	2484	13	5098	18	4287	14	2708	8	3104	19	3366	14	4321	18
25	KH 510	7120	10	3106	6	6741	4	6017	3	2811	5	3657	5	4162	3	5429	6
	MEAN YIELD=	6988		2506		5689		4502		2668		3333		3501		4818	
	MEAN STAND	37		35		34		33		27		26		28		32	
	C.D. AT 5%=	1180		773		1274		666		463		843		657		1047	
	C.V. % =	11.98		18.79		-		10.51		12.31		17.96		-		-	
	F (Prob)	.000		.000		-		.000		.449		.002		-		-	
	PLOT SIZE=	7.50		7.50		-		6.00		6.00		6.00		-		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	12-07		18-07		-		3-07		20-07		8-07		-		-	
	HARVEST DATE(2002)	25-10		-		-		3-10		25-10		11-10		-		-	
	IRRIGATION Nos	8		-		-		2		-		-		-		-	
	FERTILIZER APPLIED N	135		-		-		120		80		100		-		-	
	P	63		-		-		60		60		50		-		-	
	K	50		-		-		-		-		-		-		-	

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	W C - 14 - 1 (DBM)	18.06	3.33	-	-	-	-	-	-	-
2	E H - 30969	0.70	-	-	-	18.81	-	-	5.75	0.64
3	E C - 3121	0.82	-	-	-	8.43	-	13.74	-	-
4	B H - 2359	29.32	30.56	3.88	-	11.66	10.14	8.65	-	-
5	H K H - 1169	-	-	-	-	-	-	3.51	-	-
6	H K H - 1199	-	-	-	3.95	-	-	24.87	5.34	12.66
7	H K H - 1208	35.83	8.50	22.82	15.86	24.10	17.14	48.48	-	16.75
8	A H - 017047	35.73	-	-	10.25	9.31	-	-	-	-
9	L - 166	17.71	3.92	-	-	2.78	-	3.08	-	-
10	X 1231 K	85.65	8.42	17.37	21.17	16.18	15.81	-	1.04	0.27
11	M C H - 7	77.99	-	25.26	16.43	1.32	9.75	3.40	10.31	7.72
12	X - 26	35.71	8.82	13.72	-	22.39	9.28	17.89	-	1.87
13	SEEDTEC - 1081	73.82	39.62	58.82	-	52.33	32.95	42.39	1.24	16.67
14	BISCO - 1102	54.19	18.31	-	-	-	-	-	16.43	0.92
15	P M Z - 237	49.59	19.67	23.67	9.29	-	11.88	5.00	1.53	2.84
16	N E C H - 120	31.88	1.65	45.51	-	33.37	12.34	147.11	11.85	62.58
17	FILLER	61.28	15.26	29.18	-	-	7.39	90.12	22.42	47.82
18	J K M H - 1001	69.80	4.29	28.46	4.94	19.47	13.77	-	14.80	-
19	MAHABEEJ - 1100	-	2.83	-	0.56	-	-	1.72	-	-
20	A A M H - 513	64.17	12.92	9.35	-	12.27	0.97	37.70	20.73	27.09
21	STAR - 2001	38.74	-	16.00	-	20.52	-	-	-	-
22	SURYA - 116	47.61	15.68	36.31	13.33	1.01	18.53	-	-	-
	CHECKS:									
23	NAVJOT	-	-	-	-	-	-	-	-	-
24	DECCAN - 107	21.84	1.13	-	-	3.80	-	-	-	-
25	KH 510	54.14	19.40	1.26	9.83	-	7.99	10.16	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT							
		HYDE	ARBH	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN
1	W C - 14 - 1 (DBM)	11.75	12.52	72.03	43.56	22.10	8.70	-	24.37
2	E H - 30969	-	-	0.44	16.51	24.97	-	-	2.12
3	E C - 3121	-	10.08	45.94	6.44	16.12	-	-	10.61
4	B H - 2359	31.74	12.05	57.46	55.57	65.22	5.56	-	31.03
5	H K H - 1169	-	-	-	7.19	4.09	-	-	-
6	H K H - 1199	2.95	-	-	5.98	-	-	-	-
7	H K H - 1208	19.97	31.57	64.72	52.94	28.27	5.34	-	29.26
8	A H - 017047	-	-	43.39	13.28	18.25	3.87	-	8.52
9	L - 166	8.61	18.33	44.76	47.39	28.85	-	-	20.37
10	X 1231 K	14.98	27.54	119.38	100.28	73.01	18.98	34.82	56.11
11	M C H - 7	6.79	23.00	40.14	33.07	83.35	38.04	30.33	38.35
12	X - 26	16.00	37.89	41.20	45.04	66.10	22.06	20.96	36.60
13	SEEDTEC - 1081	59.36	35.23	112.17	97.81	76.70	44.78	35.69	66.75
14	BISCO - 1102	34.06	26.68	68.54	57.29	94.31	28.82	13.56	48.15
15	P M Z - 237	7.57	19.83	110.02	37.28	84.73	34.76	51.63	52.08
16	N E C H - 120	22.65	33.26	151.38	111.37	84.67	45.67	71.06	74.92
17	FILLER	5.14	35.43	87.32	47.92	99.40	14.83	24.26	47.50
18	J K M H - 1001	14.82	27.80	126.16	90.86	87.64	28.11	28.82	60.07
19	MAHABEEJ - 1100	-	-	24.68	4.47	49.40	-	-	7.83
20	A A M H - 513	34.98	23.45	42.25	58.09	59.01	11.26	24.22	34.80
21	STAR - 2001	33.37	0.45	110.98	82.09	82.13	3.78	71.66	51.33
22	SURYA - 116	13.54	29.28	111.10	67.32	61.86	9.10	-	44.62
	CHECKS:								
23	NAVJOT	-	-	-	-	-	-	-	-
24	DECCAN - 107	-	14.31	47.33	28.22	33.68	-	7.82	18.25
25	KH 510	38.76	30.03	102.28	73.80	98.89	14.23	34.81	56.35

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	12.07	-	-	0.48	9.08
2	E H - 30969	13.84	1.74	1.71	6.45	0.60
3	E C - 3121	32.57	11.61	6.67	18.11	4.65
4	B H - 2359	42.69	2.09	-	14.77	20.57
5	H K H - 1169	-	-	-	-	-
6	H K H - 1199	-	-	-	-	-
7	H K H - 1208	56.61	4.34	23.38	31.22	25.90
8	A H - 017047	-	6.59	-	-	2.46
9	L - 166	2.95	7.20	6.22	5.21	9.34
10	X 1231 K	9.56	5.94	2.10	6.04	36.52
11	M C H - 7	-	21.29	23.75	-	26.02
12	X - 26	72.32	18.60	7.10	35.64	26.42
13	SEEDTEC - 1081	75.90	6.12	13.26	35.77	50.09
14	BISCO - 1102	37.48	16.54	-	12.30	26.47
15	P M Z - 237	57.20	2.80	0.66	23.29	33.41
16	N E C H - 120	-	-	6.50	-	43.19
17	FILLER	52.56	5.01	-	19.11	34.68
18	J K M H - 1001	40.06	5.82	17.02	22.99	38.42
19	MAHABEEJ - 1100	1.56	4.83	0.48	2.07	-
20	A A M H - 513	54.95	8.64	14.15	28.58	27.15
21	STAR - 2001	18.57	6.93	12.90	13.50	25.50
22	SURYA - 116	47.35	1.99	16.73	24.71	31.09
	CHECKS:					
23	NAVJOT	-	-	-	-	-
24	DECCAN - 107	16.93	7.00	-	7.45	7.17
25	KH 510	64.12	11.03	14.25	32.83	34.67

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	W C - 14 - 1 (DBM)	-	2.18	-	-	-	-	27.09	2.87	10.83
2	E H - 30969	-	-	18.02	1.57	14.45	2.89	29.11	20.92	23.62
3	E C - 3121	-	-	16.99	5.81	4.46	0.99	59.39	-	11.78
4	B H - 2359	6.14	29.11	28.34	9.20	7.57	19.67	52.26	7.22	22.03
5	H K H - 1169	-	-	-	1.38	-	-	45.06	3.14	16.92
6	H K H - 1199	-	-	20.64	18.47	-	1.72	74.99	20.45	38.38
7	H K H - 1208	11.48	7.30	51.74	32.05	19.56	27.28	108.08	11.73	43.40
8	A H - 017047	11.40	-	16.59	25.66	5.31	7.09	-	-	-
9	L - 166	-	2.76	17.45	-	-	2.32	44.46	5.46	18.29
10	X 1231 K	52.37	7.21	45.00	38.10	11.92	25.82	38.74	15.53	23.16
11	M C H - 7	46.08	-	54.75	32.70	-	19.24	44.91	26.14	32.31
12	X - 26	11.38	7.61	40.50	11.50	17.90	18.73	65.21	5.49	25.12
13	SEEDTEC - 1081	42.66	38.06	96.21	2.02	46.75	44.45	99.55	15.76	43.30
14	BISCO - 1102	26.55	16.99	12.95	-	-	4.64	5.24	33.13	23.96
15	P M Z - 237	22.77	18.34	52.78	24.56	-	21.56	47.15	16.10	26.31
16	N E C H - 120	8.23	0.52	79.76	-	28.49	22.06	246.30	27.89	99.70
17	FILLER	32.36	13.98	59.60	4.38	-	16.68	166.43	39.98	81.55
18	J K M H - 1001	39.36	3.13	58.70	19.60	15.10	23.61	-	31.26	18.26
19	MAHABEEJ - 1100	-	1.69	-	14.61	-	-	42.56	-	-
20	A A M H - 513	34.74	11.67	35.09	-	8.15	9.70	92.97	38.05	56.10
21	STAR - 2001	13.87	-	43.31	11.48	16.10	8.26	-	-	-
22	SURYA - 116	21.15	14.40	68.40	29.17	-	28.79	22.32	13.16	16.17
	CHECKS:									
23	NAVJOT	-	-	23.54	13.97	-	8.65	40.14	14.34	22.83
24	DECCAN - 107	-	-	-	-	-	-	-	-	-
25	KH 510	26.51	18.07	25.09	25.18	-	17.33	54.37	-	8.17

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 HYDE	ARBH	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN
1	W C - 14 - 1 (DBM)	12.76	-	16.76	11.96	-	16.05	-	5.18
2	E H - 30969	-	-	-	-	-	0.66	-	-
3	E C - 3121	0.84	-	-	-	-	3.11	-	-
4	B H - 2359	32.93	-	6.88	21.33	23.59	12.70	-	10.81
5	H K H - 1169	-	-	-	-	-	1.28	-	-
6	H K H - 1199	3.89	-	-	-	-	-	-	-
7	H K H - 1208	21.06	15.10	11.80	19.28	-	12.46	-	9.31
8	A H - 017047	-	-	-	-	-	10.90	-	-
9	L - 166	9.60	3.52	-	14.95	-	1.98	-	1.79
10	X 1231 K	16.02	11.58	48.90	56.20	29.42	27.02	25.04	32.01
11	M C H - 7	7.76	7.61	-	3.78	37.15	47.38	20.88	16.99
12	X - 26	17.06	20.63	-	13.11	24.25	30.31	12.19	15.52
13	SEEDTEC - 1081	60.81	18.31	44.01	54.27	32.18	54.58	25.85	41.01
14	BISCO - 1102	35.28	10.82	14.39	22.67	45.35	37.53	5.32	25.29
15	P M Z - 237	8.55	4.83	42.55	7.06	38.19	43.87	40.63	28.60
16	N E C H - 120	23.77	16.58	70.63	64.85	38.14	55.52	58.65	47.92
17	FILLER	6.10	18.48	27.14	15.37	49.16	22.60	15.25	24.73
18	J K M H - 1001	15.86	11.81	53.51	48.86	40.36	36.77	19.48	35.36
19	MAHABEEJ - 1100	-	-	-	-	11.76	3.17	-	-
20	A A M H - 513	36.21	8.00	-	23.30	18.95	18.79	15.21	13.99
21	STAR - 2001	34.58	-	43.20	42.01	36.24	10.80	59.21	27.97
22	SURYA - 116	14.57	13.10	43.28	30.49	21.08	16.48	-	22.30
	CHECKS:								
23	NAVJOT	0.91	-	-	-	-	6.76	-	-
24	DECCAN - 107	-	-	-	-	-	-	-	-
25	KH 510	40.02	13.75	37.30	35.54	48.78	21.96	25.03	32.22

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	-	-	-	-	1.78
2	E H - 30969	-	-	4.92	-	-
3	E C - 3121	13.38	4.31	10.03	9.92	-
4	B H - 2359	22.03	-	-	6.81	12.50
5	H K H - 1169	-	-	0.09	-	-
6	H K H - 1199	-	-	-	-	-
7	H K H - 1208	33.94	-	27.27	22.12	17.47
8	A H - 017047	-	-	-	-	-
9	L - 166	-	0.19	9.57	-	2.02
10	X 1231 K	-	-	5.31	-	27.38
11	M C H - 7	-	13.36	27.65	-	17.59
12	X - 26	47.37	10.85	10.47	26.24	17.95
13	SEEDTEC - 1081	50.43	-	16.83	26.36	40.05
14	BISCO - 1102	17.57	8.92	-	4.51	18.00
15	P M Z - 237	34.44	-	3.83	14.74	24.48
16	N E C H - 120	-	-	9.85	-	33.60
17	FILLER	30.47	-	-	10.85	25.67
18	J K M H - 1001	19.78	-	20.71	14.46	29.16
19	MAHABEEJ - 1100	-	-	3.65	-	-
20	A A M H - 513	32.51	1.54	17.75	19.67	18.64
21	STAR - 2001	1.40	-	16.46	5.63	17.09
22	SURYA - 116	26.01	-	20.41	16.06	22.32
	CHECKS:					
23	NAVJOT	-	-	3.15	-	-
24	DECCAN - 107	-	-	-	-	-
25	KH 510	40.35	3.77	17.85	23.63	25.66

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	W C - 14 - 1 (DBM)	-	-	-	-	-	-	-	20.26	2.46
2	E H - 30969	-	-	-	-	22.27	-	-	41.36	14.28
3	E C - 3121	-	-	-	-	11.59	-	3.25	3.41	3.33
4	B H - 2359	-	9.35	2.59	-	14.91	1.99	-	25.34	12.81
5	H K H - 1169	-	-	-	-	-	-	-	20.58	8.09
6	H K H - 1199	-	-	-	-	-	-	13.36	40.81	27.93
7	H K H - 1208	-	-	21.30	5.48	27.72	8.48	34.79	30.61	32.57
8	A H - 017047	-	-	-	0.38	12.50	-	-	6.20	-
9	L - 166	-	-	-	-	5.77	-	-	23.29	9.35
10	X 1231 K	20.45	-	15.91	10.32	19.56	7.24	-	35.06	13.86
11	M C H - 7	15.47	-	23.71	6.00	4.28	1.63	-	47.46	22.32
12	X - 26	-	-	12.31	-	25.95	1.20	7.02	23.32	15.67
13	SEEDTEC - 1081	12.77	16.93	56.85	-	56.77	23.12	29.26	35.32	32.48
14	BISCO - 1102	0.03	-	-	-	-	-	-	55.63	14.60
15	P M Z - 237	-	0.22	22.13	-	-	3.60	-	35.72	16.77
16	N E C H - 120	-	-	43.70	-	37.26	4.03	124.32	49.51	84.61
17	FILLER	4.63	-	27.58	-	-	-	72.59	63.64	67.84
18	J K M H - 1001	10.16	-	26.87	-	22.95	5.36	-	53.45	9.33
19	MAHABEEJ - 1100	-	-	-	-	-	-	-	-	-
20	A A M H - 513	6.51	-	7.99	-	15.54	-	25.00	61.38	44.31
21	STAR - 2001	-	-	14.56	-	24.03	-	-	11.66	-
22	SURYA - 116	-	-	34.61	3.19	3.95	9.77	-	32.29	7.40
	CHECKS:									
23	NAVJOT	-	-	-	-	2.91	-	-	33.67	13.55
24	DECCAN - 107	-	-	-	-	6.83	-	-	16.90	-
25	KH 510	-	-	-	-	-	-	-	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 HYDE	ARBH	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN
1	W C - 14 - 1 (DBM)	-	-	-	-	-	-	-	-
2	E H - 30969	-	-	-	-	-	-	-	-
3	E C - 3121	-	-	-	-	-	-	-	-
4	B H - 2359	-	-	-	-	-	-	-	-
5	H K H - 1169	-	-	-	-	-	-	-	-
6	H K H - 1199	-	-	-	-	-	-	-	-
7	H K H - 1208	-	1.19	-	-	-	-	-	-
8	A H - 017047	-	-	-	-	-	-	-	-
9	L - 166	-	-	-	-	-	-	-	-
10	X 1231 K	-	-	8.45	15.24	-	4.15	0.00	-
11	M C H - 7	-	-	-	-	-	20.84	-	-
12	X - 26	-	6.05	-	-	-	6.85	-	-
13	SEEDTEC - 1081	14.85	4.00	4.89	13.82	-	26.74	0.65	6.65
14	BISCO - 1102	-	-	-	-	-	12.77	-	-
15	P M Z - 237	-	-	3.83	-	-	17.97	12.48	-
16	N E C H - 120	-	2.49	24.28	21.62	-	27.52	26.89	11.88
17	FILLER	-	4.15	-	-	0.25	0.52	-	-
18	J K M H - 1001	-	-	11.81	9.82	-	12.15	-	2.37
19	MAHABEEJ - 1100	-	-	-	-	-	-	-	-
20	A A M H - 513	-	-	-	-	-	-	-	-
21	STAR - 2001	-	-	4.30	4.77	-	-	27.33	-
22	SURYA - 116	-	-	4.36	-	-	-	-	-
	CHECKS:								
23	NAVJOT	-	-	-	-	-	-	-	-
24	DECCAN - 107	-	-	-	-	-	-	-	-
25	KH 510	-	-	-	-	-	-	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	-	-	-	-	-
2	E H - 30969	-	-	-	-	-
3	E C - 3121	-	0.52	-	-	-
4	B H - 2359	-	-	-	-	-
5	H K H - 1169	-	-	-	-	-
6	H K H - 1199	-	-	-	-	-
7	H K H - 1208	-	-	8.00	-	-
8	A H - 017047	-	-	-	-	-
9	L - 166	-	-	-	-	-
10	X 1231 K	-	-	-	-	1.37
11	M C H - 7	-	9.24	8.32	-	-
12	X - 26	5.00	6.82	-	2.11	-
13	SEEDTEC - 1081	7.18	-	-	2.21	11.45
14	BISCO - 1102	-	4.96	-	-	-
15	P M Z - 237	-	-	-	-	-
16	N E C H - 120	-	-	-	-	6.32
17	FILLER	-	-	-	-	0.01
18	J K M H - 1001	-	-	2.43	-	2.79
19	MAHABEEJ - 1100	-	-	-	-	-
20	A A M H - 513	-	-	-	-	-
21	STAR - 2001	-	-	-	-	-
22	SURYA - 116	-	-	2.18	-	-
	CHECKS:					
23	NAVJOT	-	-	-	-	-
24	DECCAN - 107	-	-	-	-	-
25	KH 510	-	-	-	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN	HYDE	ARBH	BANG POCB
1	W C - 14 - 1 (DBM)	69.7	50.0	52.5	50.0	50.8	53.5	54.5	54.0	56.0	61.5	71.3
2	E H - 30969	57.3	46.3	48.3	47.7	47.4	46.0	49.3	47.6	54.3	55.8	60.0
3	E C - 3121	59.3	46.7	48.3	49.0	48.0	45.0	52.0	48.5	54.3	55.8	61.3
4	B H - 2359	60.3	46.0	49.5	49.3	48.3	49.5	51.0	50.3	55.0	57.0	63.7
5	H K H - 1169	56.3	43.7	46.0	43.3	44.3	46.5	47.8	47.1	55.5	55.5	60.0
6	H K H - 1199	59.3	45.0	47.0	46.7	46.2	49.5	51.0	50.3	56.0	56.5	63.0
7	H K H - 1208	62.0	48.0	50.8	49.7	49.5	52.0	54.8	53.4	55.5	58.8	65.0
8	A H - 017047	57.7	44.0	46.3	48.0	46.1	49.0	49.8	49.4	54.5	55.8	61.0
9	L - 166	61.7	47.7	51.3	49.7	49.5	52.0	51.3	51.6	56.0	58.8	64.7
10	X 1231 K	59.0	46.7	49.0	47.7	47.8	50.0	51.5	50.8	56.5	58.5	63.7
11	M C H - 7	62.0	47.7	49.8	49.0	48.8	54.0	53.3	53.6	56.8	58.8	67.3
12	X - 26	59.7	45.7	49.5	49.3	48.2	49.5	49.8	49.6	56.5	57.0	62.0
13	SEEDTEC - 1081	61.0	47.0	50.5	49.7	49.1	50.0	52.8	51.4	56.0	58.5	61.7
14	BISCO - 1102	61.7	51.0	51.8	51.0	51.3	53.5	55.5	54.5	57.5	60.8	67.0
15	P M Z - 237	59.0	46.7	49.0	49.7	48.4	47.5	51.0	49.3	55.5	57.5	62.3
16	N E C H - 120	70.7	51.0	52.0	50.7	51.2	51.0	54.5	52.8	58.0	61.8	69.0
17	FILLER	59.7	47.0	48.8	49.0	48.3	52.5	52.3	52.4	54.8	57.0	61.3
18	J K M H - 1001	62.0	47.0	49.5	48.7	48.4	54.0	52.8	53.4	56.0	59.3	62.3
19	MAHABEEJ - 1100	61.7	53.0	50.5	51.3	51.6	52.0	53.0	52.5	55.0	58.8	67.3
20	A A M H - 513	61.0	47.3	51.8	50.0	49.7	49.0	51.8	50.4	56.5	58.0	66.3
21	STAR - 2001	61.0	50.0	51.3	50.7	50.6	54.0	55.0	54.5	57.8	62.0	69.7
22	SURYA - 116	60.3	47.0	49.3	48.7	48.3	57.5	53.5	55.5	55.8	59.3	64.0
	CHECKS:											
23	NAVJOT	60.3	46.3	48.3	47.7	47.4	47.0	50.3	48.6	54.3	57.0	64.0
24	DECCAN - 107	62.3	48.0	49.8	49.0	48.9	54.0	52.5	53.3	58.3	60.8	67.7
25	KH 510	60.7	47.0	50.0	48.7	48.6	50.0	52.3	51.1	56.0	57.8	63.0
	MEAN LOCATION	61.0	47.4	49.6	49.0	48.7	50.7	52.1	51.4	55.9	58.3	64.3
	C.D. AT 5%=	3.1	2.0	1.9	1.6	1.9	2.8	2.6	2.7	2.0	1.2	3.3
	C.V. % =	3.1	2.6	2.7	2.0	-	2.7	3.5	-	2.5	1.4	3.1
	F (Prob)	.000	.000	.000	.000	-	.000	.000	-	.001	.000	.000

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	58.8	60.0	58.3	49.3	59.3	57.0	47.5	51.0	51.8	56.3
2	E H - 30969	57.3	49.3	51.0	47.7	53.6	51.8	44.0	47.0	47.6	50.8
3	E C - 3121	57.0	50.3	53.8	48.0	54.3	52.5	41.0	46.3	46.6	51.3
4	B H - 2359	57.5	53.7	54.0	48.3	55.6	52.5	45.3	51.0	49.6	52.7
5	H K H - 1169	56.8	50.3	55.0	48.3	54.5	51.8	41.0	47.3	46.7	50.3
6	H K H - 1199	56.3	52.3	54.8	48.3	55.3	52.3	44.3	54.8	50.4	52.3
7	H K H - 1208	58.0	54.3	56.3	48.3	56.6	53.5	43.8	54.5	50.6	54.1
8	A H - 017047	56.5	50.0	54.8	48.3	54.4	52.5	41.0	50.0	47.8	51.2
9	L - 166	58.0	56.0	55.5	48.0	56.7	55.8	46.5	50.5	50.9	53.9
10	X 1231 K	58.5	52.3	55.0	47.3	56.0	54.5	42.8	49.3	48.8	52.6
11	M C H - 7	57.8	55.7	55.0	47.7	57.0	54.5	42.0	50.5	49.0	53.8
12	X - 26	58.3	52.3	55.3	48.7	55.7	54.3	42.8	49.0	48.7	52.5
13	SEEDTEC - 1081	58.0	53.7	55.0	48.7	55.9	54.0	40.3	48.0	47.4	52.8
14	BISCO - 1102	58.8	56.0	57.5	48.3	58.0	57.5	41.3	46.5	48.4	54.7
15	P M Z - 237	57.5	52.3	54.0	48.7	55.4	52.5	42.5	51.0	48.7	52.3
16	N E C H - 120	59.3	59.0	57.8	48.0	59.0	56.0	42.8	54.0	50.9	56.0
17	FILLER	57.5	53.0	55.5	47.7	55.2	53.8	43.3	52.0	49.7	52.8
18	J K M H - 1001	58.3	55.7	55.8	47.7	56.4	53.8	47.0	50.0	50.3	53.7
19	MAHABEEJ - 1100	57.8	54.3	55.0	48.7	56.7	55.5	41.5	54.8	50.6	54.4
20	A A M H - 513	57.8	54.0	54.5	47.7	56.4	54.5	42.3	54.3	50.3	53.5
21	STAR - 2001	58.0	56.3	57.8	48.7	58.6	56.5	42.8	51.5	50.3	55.2
22	SURYA - 116	58.3	54.7	56.3	46.3	56.4	54.0	42.0	47.5	47.8	53.4
	CHECKS:										
23	NAVJOT	57.5	50.7	53.8	47.7	55.0	53.0	43.3	46.3	47.5	51.7
24	DECCAN - 107	58.0	54.3	56.5	46.3	57.4	54.5	42.0	50.5	49.0	54.0
25	KH 510	57.8	53.0	55.5	47.0	55.7	52.5	44.3	51.0	49.3	52.9
	MEAN LOCATION	57.8	53.7	55.3	48.0	56.2	54.0	43.1	50.3	49.1	53.2
	C.D. AT 5%=	1.0	2.0	1.9	2.2	1.9	1.4	1.5	1.9	1.6	-
	C.V. % =	1.2	2.3	2.4	2.8	-	1.9	2.5	2.6	-	-
	F (Prob)	.000	.000	.000	.672	-	.000	.000	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN	HYDE	ARBH
1	W C - 14 - 1 (DBM)	72.0	55.3	55.3	53.0	61.5	56.3	57.5	60.5	59.0	58.0	63.3
2	E H - 30969	60.0	49.0	50.3	49.7	55.8	51.2	50.5	54.3	52.4	56.8	55.8
3	E C - 3121	62.0	51.7	51.5	51.0	58.0	53.0	51.0	57.0	54.0	56.5	56.5
4	B H - 2359	62.0	51.0	52.0	52.0	59.0	53.5	55.0	56.0	55.5	56.8	57.5
5	H K H - 1169	58.7	48.3	49.0	45.3	62.8	51.4	54.5	51.8	53.1	57.5	58.0
6	H K H - 1199	61.7	49.0	49.8	49.3	63.0	52.8	56.0	55.8	55.9	58.0	59.3
7	H K H - 1208	64.3	52.7	53.3	52.0	62.5	55.1	59.0	59.5	59.3	57.5	59.0
8	A H - 017047	60.7	47.3	49.0	50.0	56.5	50.7	60.0	55.3	57.6	56.5	56.8
9	L - 166	63.7	52.7	54.0	52.0	62.3	55.2	59.5	56.5	58.0	58.0	61.3
10	X 1231 K	61.3	51.0	51.3	50.3	60.0	53.1	56.5	55.8	56.1	58.8	59.3
11	M C H - 7	64.0	52.0	51.5	51.0	59.0	53.4	59.5	57.3	58.4	59.5	59.8
12	X - 26	61.7	51.3	52.0	51.7	61.5	54.1	56.5	54.5	55.5	58.8	57.8
13	SEEDTEC - 1081	63.3	52.3	52.5	52.0	60.3	54.3	58.0	57.5	57.8	58.3	58.0
14	BISCO - 1102	64.0	55.7	54.0	53.0	63.8	56.6	60.0	60.3	60.1	59.5	61.3
15	P M Z - 237	61.3	51.3	51.3	52.0	63.8	54.6	55.0	56.3	55.6	57.5	59.3
16	N E C H - 120	72.7	55.0	55.3	53.7	61.0	56.2	57.0	59.5	58.3	60.0	62.8
17	FILLER	62.0	53.0	51.0	51.7	61.3	54.2	58.5	56.3	57.4	57.3	58.8
18	J K M H - 1001	64.0	52.0	52.0	51.0	59.5	53.6	58.5	57.8	58.1	58.0	59.5
19	MAHABEEJ - 1100	64.0	57.0	53.5	53.7	64.0	57.0	58.0	56.8	57.4	57.0	60.0
20	A A M H - 513	63.3	52.7	54.5	52.3	59.8	54.8	54.0	56.3	55.1	58.5	59.3
21	STAR - 2001	63.0	56.3	55.0	53.0	61.8	56.5	59.5	60.3	59.9	60.0	63.0
22	SURYA - 116	63.3	52.7	52.0	51.0	61.8	54.4	59.0	57.8	58.4	57.8	59.0
	CHECKS:											
23	NAVJOT	62.7	50.3	50.8	49.7	61.0	52.9	53.5	56.5	55.0	56.3	59.3
24	DECCAN - 107	64.7	53.7	53.0	51.7	59.5	54.5	61.5	58.0	59.8	60.8	64.0
25	KH 510	63.0	51.7	51.8	50.7	58.5	53.1	56.0	56.5	56.3	57.8	58.5
	MEAN LOCATION	63.3	52.2	52.2	51.3	60.7	54.1	57.0	56.9	56.9	58.0	59.5
	C.D. AT 5%=	2.7	3.1	2.1	1.7	3.1	2.5	2.3	2.6	2.4	2.0	1.3
	C.V. % =	2.6	3.6	2.9	2.0	3.6	-	2.0	3.2	-	2.5	1.5
	F (Prob)	.000	.000	.000	.000	.000	-	.000	.000	-	.000	.000

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	73.7	60.5	62.3	61.5	55.0	62.0	59.5	51.5	58.0	56.3	59.9
2	E H - 30969	63.0	58.3	53.3	54.0	53.0	56.3	54.0	48.0	51.5	51.2	53.9
3	E C - 3121	64.7	58.0	52.7	56.0	52.7	56.7	54.5	45.0	50.8	50.1	54.7
4	B H - 2359	66.3	58.5	57.0	57.5	51.7	57.9	55.0	49.8	55.8	53.5	56.0
5	H K H - 1169	62.3	58.0	53.0	58.3	52.3	57.1	54.0	45.0	54.8	51.3	54.3
6	H K H - 1199	65.3	57.5	57.0	58.3	51.7	58.1	55.3	48.5	58.0	53.9	56.1
7	H K H - 1208	66.7	59.5	58.3	59.3	49.7	58.6	55.8	48.0	57.5	53.8	57.3
8	A H - 017047	63.7	57.5	52.0	57.3	51.7	56.5	54.8	45.0	56.8	52.2	54.7
9	L - 166	68.0	59.3	59.3	59.3	49.7	59.3	58.5	50.5	56.5	55.2	57.7
10	X 1231 K	66.0	60.0	56.3	57.5	49.0	58.1	56.5	46.8	56.8	53.3	56.1
11	M C H - 7	68.0	59.3	57.7	57.0	52.7	59.1	57.0	46.3	56.8	53.3	56.9
12	X - 26	65.3	59.3	56.3	58.5	52.0	58.3	56.0	46.8	55.3	52.7	56.2
13	SEEDTEC - 1081	62.7	59.0	56.3	57.8	52.3	57.8	55.8	44.3	55.8	51.9	56.2
14	BISCO - 1102	69.0	59.8	59.3	60.5	52.3	60.2	59.5	45.0	55.3	53.3	58.4
15	P M Z - 237	68.0	58.5	56.7	57.5	52.7	58.6	54.8	46.3	56.8	52.6	56.4
16	N E C H - 120	73.3	60.8	61.3	60.8	52.3	61.6	57.8	46.8	57.8	54.1	59.3
17	FILLER	64.3	58.8	55.3	58.3	52.7	57.9	55.8	47.0	57.3	53.3	56.4
18	J K M H - 1001	67.0	59.5	57.3	58.8	52.0	58.9	55.5	50.8	58.0	54.8	57.1
19	MAHABEEJ - 1100	69.0	59.3	57.7	58.3	52.3	59.1	57.5	45.3	58.0	53.6	57.7
20	A A M H - 513	69.3	59.3	56.7	57.5	52.0	58.9	56.3	46.3	58.0	53.5	56.8
21	STAR - 2001	72.3	59.5	59.7	60.5	51.0	60.9	58.8	46.8	57.8	54.4	58.7
22	SURYA - 116	65.5	59.5	57.0	59.0	51.3	58.4	55.5	46.0	57.0	52.8	56.8
	CHECKS:											
23	NAVJOT	66.7	58.5	53.7	57.3	51.3	57.6	54.8	47.3	54.8	52.3	55.5
24	DECCAN - 107	71.3	59.3	59.0	59.5	50.3	60.6	57.5	46.3	57.3	53.7	58.1
25	KH 510	65.3	58.8	55.0	58.8	51.3	57.9	54.8	48.0	57.3	53.3	56.1
	MEAN LOCATION	67.1	59.0	56.8	58.3	51.8	58.7	56.2	47.1	56.4	53.2	56.7
	C.D. AT 5%=	3.8	1.1	2.5	1.5	1.6	2.0	1.3	1.6	1.9	1.6	-
	C.V. % =	3.5	1.3	2.6	1.9	1.9	-	1.7	2.4	2.4	-	-
	F (Prob)	.000	.000	.000	.000	.000	-	.000	.000	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 1 BAJA	VARA	AMBI	ZN 3 MEAN	HYDE	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN
1	W C - 14 - 1 (DBM)	112.0	90.5	102.3	96.4	91.0	111.5	100.0	105.5	95.0	100.6
2	E H - 30969	107.0	83.5	99.8	91.6	88.3	108.3	96.3	95.0	94.0	96.4
3	E C - 3121	106.0	81.0	101.3	91.1	89.0	108.5	97.3	98.0	89.7	96.5
4	B H - 2359	106.7	90.0	99.0	94.5	91.5	110.0	96.7	100.0	92.3	98.1
5	H K H - 1169	105.7	91.0	100.3	95.6	88.8	108.0	99.7	101.0	89.3	97.3
6	H K H - 1199	108.3	90.0	103.5	96.8	89.5	107.3	98.3	101.5	88.0	96.9
7	H K H - 1208	108.3	88.0	102.5	95.3	88.3	110.5	96.3	101.8	87.7	96.9
8	A H - 017047	107.3	90.0	101.3	95.6	90.3	107.8	97.0	100.5	92.3	97.6
9	L - 166	112.3	92.5	101.8	97.1	90.0	110.8	101.0	101.5	89.7	98.6
10	X 1231 K	112.0	91.0	100.8	95.9	90.0	111.8	99.7	98.8	89.7	98.0
11	M C H - 7	114.7	89.5	101.5	95.5	90.5	110.3	97.0	99.5	91.7	97.8
12	X - 26	111.7	89.5	101.0	95.3	88.8	110.8	96.0	101.3	91.3	97.6
13	SEEDTEC - 1081	108.7	90.5	101.8	96.1	91.0	110.0	97.7	100.0	91.3	98.0
14	BISCO - 1102	112.0	91.0	100.8	95.9	92.5	111.8	101.7	102.8	90.0	99.7
15	P M Z - 237	108.7	82.0	101.5	91.8	90.5	109.8	98.0	99.5	94.7	98.5
16	N E C H - 120	111.3	94.0	100.3	97.1	90.5	112.0	102.0	102.3	95.0	100.3
17	FILLER	109.3	85.0	100.5	92.8	89.5	109.8	98.3	101.5	92.7	98.3
18	J K M H - 1001	110.3	92.0	102.5	97.3	91.3	111.0	98.3	101.0	94.3	99.2
19	MAHABEEJ - 1100	113.7	89.0	101.5	95.3	90.0	110.5	97.7	99.8	94.0	98.4
20	A A M H - 513	110.0	88.5	101.8	95.1	89.5	109.8	97.0	100.0	90.0	97.3
21	STAR - 2001	114.0	92.0	101.5	96.8	92.8	110.8	101.7	102.5	91.0	99.7
22	SURYA - 116	114.7	90.0	101.0	95.5	90.3	110.5	98.7	100.8	91.3	98.3
	CHECKS:										
23	NAVJOT	106.3	88.0	102.5	95.3	88.0	110.3	96.7	99.3	96.3	98.1
24	DECCAN - 107	112.7	94.5	103.8	99.1	92.0	111.0	98.7	101.3	92.0	99.0
25	KH 510	109.7	87.0	102.8	94.9	89.5	110.3	98.7	100.5	95.3	98.8
	MEAN LOCATION	110.1	89.2	101.5	95.3	90.1	110.1	98.4	100.6	91.9	98.2
	C.D. AT 5%=	3.1	3.2	2.9	3.0	2.8	1.9	2.8	2.2	3.9	2.7
	C.V. % =	1.7	1.7	2.0	-	2.2	1.2	1.8	1.6	2.6	-
	F (Prob)	.000	.000	.275	-	.046	.000	.000	.000	.001	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK					MOISTURE % AT HARVEST						
		UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN	ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	ZN 3 VARA
1	W C - 14 - 1 (DBM)	82.0	84.5	81.5	82.7	96.0	29.6	31.5	26.0	13.9	33.8	26.3	37.5
2	E H - 30969	80.0	81.5	78.5	80.0	92.0	34.0	24.5	22.5	14.4	28.6	22.5	30.8
3	E C - 3121	85.0	80.8	75.8	80.5	92.0	31.0	25.8	24.8	14.1	28.8	23.4	31.8
4	B H - 2359	84.3	81.0	80.0	81.8	93.8	31.8	31.9	24.0	14.2	34.0	26.0	37.2
5	H K H - 1169	77.8	76.3	81.0	78.3	92.6	31.3	31.4	22.5	12.9	31.4	24.5	31.8
6	H K H - 1199	81.8	81.3	81.5	81.5	93.7	31.3	27.4	22.7	13.8	29.5	23.3	34.3
7	H K H - 1208	85.5	83.0	81.0	83.2	93.9	30.3	27.9	23.8	14.8	33.3	24.9	34.9
8	A H - 017047	85.0	78.8	81.3	81.7	93.8	30.7	26.3	22.5	14.1	26.0	22.2	36.0
9	L - 166	86.5	83.0	81.5	83.7	95.5	31.6	27.4	25.0	14.8	34.3	25.4	37.5
10	X 1231 K	81.3	79.3	81.5	80.7	94.1	29.1	27.0	22.8	14.9	32.5	24.3	34.9
11	M C H - 7	79.0	81.5	81.3	80.6	94.2	29.6	24.9	23.5	15.1	30.6	23.5	39.0
12	X - 26	85.8	80.0	81.8	82.5	94.3	31.5	27.2	22.5	14.1	35.4	24.8	35.3
13	SEEDTEC - 1081	85.5	80.3	80.0	81.9	94.2	31.8	31.8	23.9	14.8	32.3	25.7	38.3
14	BISCO - 1102	87.3	77.8	80.3	81.8	95.2	30.3	27.2	25.3	15.0	38.8	26.6	37.7
15	P M Z - 237	85.3	80.8	80.5	82.2	93.7	30.5	28.5	22.5	15.0	37.7	25.9	36.0
16	N E C H - 120	78.0	77.8	81.0	78.9	94.9	29.8	34.7	26.0	14.4	39.7	28.7	39.3
17	FILLER	86.0	82.0	80.5	82.8	94.1	30.6	28.0	22.1	14.4	32.0	24.1	34.9
18	J K M H - 1001	85.8	82.0	82.0	83.3	95.5	31.1	28.4	23.0	14.6	35.7	25.4	36.8
19	MAHABEEJ - 1100	85.8	80.0	81.0	82.3	94.8	31.6	27.9	22.6	14.6	33.4	24.6	37.5
20	A A M H - 513	86.5	80.3	81.0	82.6	94.0	30.2	31.5	23.3	14.1	34.5	25.9	38.7
21	STAR - 2001	85.0	78.8	79.8	81.2	95.4	33.0	28.5	27.6	14.3	33.0	25.8	39.3
22	SURYA - 116	85.5	79.8	81.3	82.2	94.9	31.3	26.9	23.1	14.6	35.9	25.1	36.3
	CHECKS:												
23	NAVJOT	84.8	80.0	80.8	81.8	93.9	29.9	27.5	23.3	14.1	30.9	24.0	30.3
24	DECCAN - 107	84.8	78.8	81.5	81.7	95.5	31.1	27.7	25.3	14.3	33.3	25.1	37.5
25	KH 510	85.5	78.8	81.3	81.8	94.5	30.7	27.8	24.5	14.8	32.8	25.0	36.9
	MEAN LOCATION	84.0	80.3	80.7	81.7	94.3	31.0	28.4	23.8	14.4	33.1	24.9	36.0
	C.D. AT 5%=	1.8	2.3	1.9	2.0	-	1.7	2.3	0.9	0.5	3.5	1.8	1.3
	C.V. % =	1.5	2.0	1.7	-	-	3.3	4.8	2.7	2.0	7.4	-	1.7
	F (Prob)	.000	.000	.000	-	-	.000	.000	.000	.000	.000	-	.000

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST HYDE	ARBH	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	27.0	25.7	22.5	25.5	21.4	16.4	24.0	23.2	16.9	16.8	12.3	15.3	23.8
2	E H - 30969	24.1	18.4	17.1	22.3	20.7	15.8	22.2	20.1	15.5	16.8	12.7	15.0	21.3
3	E C - 3121	22.8	20.0	16.9	18.5	19.9	15.6	24.5	19.8	19.0	16.9	12.4	16.1	21.4
4	B H - 2359	22.5	24.6	20.7	23.6	20.5	16.8	22.3	21.6	17.1	16.6	12.8	15.5	23.2
5	H K H - 1169	25.0	19.6	16.7	19.5	20.4	16.0	21.6	19.8	15.0	16.4	12.8	14.8	21.5
6	H K H - 1199	22.3	20.3	17.8	19.8	20.5	16.4	24.1	20.2	15.9	16.6	12.8	15.1	21.6
7	H K H - 1208	21.9	21.5	18.6	22.0	21.3	15.8	23.3	20.6	15.0	16.5	12.9	14.8	22.1
8	A H - 017047	21.0	23.0	23.3	24.3	21.0	16.3	25.0	22.0	19.0	16.4	12.8	16.1	22.4
9	L - 166	24.0	21.2	20.8	23.3	21.5	15.8	23.6	21.4	17.5	16.6	12.7	15.6	23.0
10	X 1231 K	22.4	21.9	19.8	22.9	20.7	16.5	24.6	21.3	16.0	16.7	12.6	15.1	22.2
11	M C H - 7	24.5	23.0	24.2	23.4	20.9	16.5	24.7	22.5	15.5	17.0	12.3	14.9	22.8
12	X - 26	23.6	19.0	19.4	22.0	21.3	16.8	22.4	20.6	15.4	16.6	13.1	15.0	22.2
13	SEEDTEC - 1081	24.7	21.8	22.1	26.1	19.4	16.5	23.2	22.0	18.5	16.7	12.9	16.0	23.4
14	BISCO - 1102	25.2	23.4	22.9	23.7	21.0	16.2	23.2	22.2	17.2	16.4	12.7	15.4	23.5
15	P M Z - 237	22.8	18.3	22.3	21.4	21.4	17.2	21.3	20.7	15.6	16.4	12.6	14.9	22.5
16	N E C H - 120	24.9	27.4	27.4	28.6	21.5	16.3	23.9	24.3	16.2	16.4	12.3	15.0	24.9
17	FILLER	23.8	18.8	18.8	21.4	20.4	16.8	20.0	20.0	16.0	16.7	13.2	15.3	21.7
18	J K M H - 1001	24.7	21.9	23.9	23.3	20.4	16.1	21.9	21.8	17.3	16.4	12.6	15.4	23.0
19	MAHABEEJ - 1100	25.1	18.3	18.1	23.6	21.1	15.9	20.5	20.4	16.0	16.7	12.4	15.0	22.2
20	A A M H - 513	26.5	19.0	19.7	21.9	21.1	17.0	22.7	21.1	16.8	16.4	12.5	15.2	22.9
21	STAR - 2001	27.3	26.7	22.2	27.1	21.0	16.4	21.4	23.1	18.7	16.8	12.4	16.0	24.1
22	SURYA - 116	24.3	24.0	21.9	23.7	21.4	16.1	23.5	22.1	15.8	16.8	12.7	15.1	23.0
	CHECKS:													
23	NAVJOT	20.2	19.4	17.8	20.7	21.0	16.4	24.3	20.0	15.9	16.2	12.3	14.8	21.3
24	DECCAN - 107	25.2	22.0	21.4	23.3	20.6	16.3	24.8	21.9	13.6	16.5	12.2	14.1	22.8
25	KH 510	25.5	20.4	22.5	24.5	20.7	16.4	23.4	21.9	18.1	16.8	12.7	15.9	23.0
	MEAN LOCATION	24.0	21.6	20.8	23.0	20.8	16.3	23.1	21.4	16.5	16.6	12.6	15.3	22.6
	C.D. AT 5%=	1.9	1.8	2.3	1.9	1.8	1.1	2.6	1.9	0.3	0.6	0.4	0.4	-
	C.V. % =	5.7	6.0	6.9	5.9	5.4	5.0	6.9	-	1.3	2.6	2.2	-	-
	F (Prob)	.000	.000	.000	.000	.901	.563	.008	-	.000	.596	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ZN 1 BAJA	ZN 2 DELH	HYDE	ARBH	BANG POCB	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	2.7	2.3	2.5	2.5	2.7	3.0	2.3	2.0	2.5	1.8	2.5	2.9	2.4	2.5
2	E H - 30969	2.5	2.7	2.5	3.0	4.0	3.0	2.3	1.7	2.7	2.2	2.4	3.3	2.6	2.7
3	E C - 3121	2.7	2.8	2.4	2.8	3.2	2.3	2.3	2.0	2.5	2.0	2.3	3.1	2.5	2.5
4	B H - 2359	2.3	1.8	2.8	2.3	3.0	2.7	1.8	2.3	2.5	1.6	2.0	2.9	2.2	2.3
5	H K H - 1169	3.0	2.3	2.4	2.8	3.8	2.7	1.8	2.3	2.6	2.8	2.4	3.0	2.7	2.7
6	H K H - 1199	3.0	2.3	2.4	2.8	3.8	3.0	2.3	2.3	2.8	2.3	2.3	3.3	2.6	2.7
7	H K H - 1208	2.5	2.0	2.5	2.3	3.3	2.7	1.5	2.3	2.4	1.7	2.0	2.6	2.1	2.3
8	A H - 017047	2.7	2.7	2.3	2.8	3.3	2.3	2.0	1.7	2.4	2.6	2.3	2.5	2.5	2.5
9	L - 166	2.3	2.5	2.4	2.8	2.8	2.3	2.0	1.7	2.3	2.2	2.4	2.1	2.2	2.3
10	X 1231 K	2.2	2.3	2.4	2.5	2.5	1.3	2.3	1.3	2.0	2.0	2.0	2.0	2.0	2.1
11	M C H - 7	2.2	2.5	2.6	2.3	2.3	1.0	1.8	1.7	1.9	2.8	2.1	2.3	2.4	2.1
12	X - 26	2.2	2.5	2.3	2.3	2.8	1.3	2.0	1.7	2.1	1.6	2.1	2.5	2.1	2.1
13	SEEDTEC - 1081	1.7	2.0	2.5	2.0	2.3	2.7	1.3	1.7	2.1	1.5	2.3	2.0	1.9	2.0
14	BISCO - 1102	2.3	2.0	2.5	2.3	2.0	1.7	2.0	1.7	2.0	1.9	2.3	2.1	2.1	2.1
15	P M Z - 237	2.0	2.2	2.5	2.3	2.0	1.7	2.0	1.7	2.0	1.6	2.4	2.0	2.0	2.0
16	N E C H - 120	2.5	2.3	2.4	2.0	1.5	1.7	1.5	2.0	1.8	2.0	2.5	2.5	2.3	2.1
17	FILLER	2.2	2.2	2.6	2.0	2.8	1.7	2.8	2.7	2.4	1.9	2.4	2.4	2.2	2.3
18	J K M H - 1001	2.0	2.3	2.8	2.0	2.2	2.0	2.0	2.0	2.2	1.8	2.3	2.1	2.0	2.1
19	MAHABEEJ - 1100	2.5	2.5	2.5	2.8	3.7	2.7	1.8	2.7	2.7	2.2	2.3	3.4	2.6	2.6
20	A A M H - 513	2.0	2.3	2.5	2.5	3.2	2.0	2.0	2.3	2.4	1.6	2.5	2.0	2.1	2.3
21	STAR - 2001	2.7	2.5	2.4	2.8	2.2	2.0	2.3	2.3	2.3	1.7	2.4	2.3	2.1	2.3
22	SURYA - 116	2.2	2.3	2.6	2.3	2.3	2.3	2.0	1.7	2.2	1.9	2.1	2.3	2.1	2.2
	CHECKS:														
23	NAVJOT	2.7	2.5	2.4	3.0	3.5	3.3	2.0	2.0	2.7	2.0	2.4	3.0	2.5	2.6
24	DECCAN - 107	2.7	2.5	2.5	2.3	2.7	2.3	1.8	1.3	2.1	2.0	2.4	2.5	2.3	2.3
25	KH 510	2.0	2.5	2.6	2.0	2.8	1.0	2.3	1.7	2.1	1.6	2.5	2.1	2.1	2.1
	MEAN LOCATION	2.4	2.4	2.5	2.4	2.8	2.2	2.0	1.9	2.3	2.0	2.3	2.5	2.3	2.3
	C.D. AT 5%=	0.4	0.4	0.4	0.2	0.6	0.8	0.7	0.9	0.6	0.4	0.3	0.3	0.3	-
	C.V. % =	11.1	11.5	10.6	6.5	11.8	21.4	26.5	28.6	-	13.9	9.9	8.8	-	-
	F (Prob)	.000	.009	.440	.000	.000	.000	.124	.154	-	.000	.020	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ZN 1 BAJA	ZN 2 DELH	ZN 2 HYDE	ZN 2 ARBH	ZN 2 BANG POCB	ZN 2 BANG MONS	ZN 2 MAND	ZN 2 COIM	ZN 4 YEOT MAHA	ZN 4 MEAN	ZN 5 UDAI	ZN 5 BANS	ZN 5 GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	2.5	2.3	2.6	3.0	2.3	1.5	2.3	1.8	2.3	2.3	2.0	2.3	3.1	2.5	2.3
2	E H - 30969	2.5	2.8	2.8	3.0	3.3	2.0	2.7	3.0	1.3	2.6	2.0	2.3	3.3	2.5	2.6
3	E C - 3121	2.5	2.8	2.8	3.0	2.8	2.0	2.7	2.0	3.0	2.6	1.8	2.6	3.1	2.5	2.6
4	B H - 2359	2.5	2.0	2.3	2.0	2.2	1.0	2.0	2.3	2.3	2.0	1.8	2.1	2.4	2.1	2.1
5	H K H - 1169	3.2	2.5	2.8	2.8	3.0	2.0	3.3	2.3	1.7	2.5	3.3	2.6	3.6	3.2	2.8
6	H K H - 1199	3.2	2.5	2.4	2.3	3.2	1.8	3.3	2.0	2.0	2.4	2.6	2.3	3.4	2.7	2.6
7	H K H - 1208	2.3	2.5	2.5	2.5	2.5	1.0	2.7	2.0	2.3	2.2	1.6	2.1	2.4	2.0	2.2
8	A H - 017047	2.5	2.5	2.5	2.8	2.7	1.3	3.0	1.8	1.7	2.2	2.2	2.0	2.3	2.1	2.2
9	L - 166	2.5	2.5	2.6	3.0	2.7	1.8	2.0	1.5	2.0	2.2	2.2	2.5	3.0	2.6	2.4
10	X 1231 K	2.0	2.3	2.6	2.5	2.2	1.5	1.7	2.0	2.3	2.1	2.1	2.3	2.4	2.2	2.1
11	M C H - 7	2.0	2.5	2.1	2.0	1.7	1.0	1.7	1.3	1.3	1.6	2.5	2.1	1.6	2.1	1.8
12	X - 26	2.3	2.5	2.4	2.3	2.3	1.8	2.0	1.5	1.7	2.0	1.7	2.1	2.4	2.1	2.1
13	SEEDTEC - 1081	2.0	2.0	2.1	2.5	1.7	1.0	2.0	2.3	2.3	2.0	1.5	2.4	1.8	1.9	2.0
14	BISCO - 1102	2.0	2.3	2.5	2.3	2.0	1.3	2.0	2.3	2.0	2.0	1.8	2.3	3.0	2.4	2.1
15	P M Z - 237	2.2	2.0	2.5	2.5	2.3	1.8	2.0	2.8	1.7	2.2	1.9	2.1	2.4	2.1	2.2
16	N E C H - 120	2.5	2.5	2.3	2.3	2.0	1.0	2.0	1.8	1.7	1.8	2.3	2.3	2.0	2.2	2.0
17	FILLER	2.0	2.0	2.5	2.5	2.3	1.5	2.0	2.0	2.3	2.2	1.8	2.3	2.6	2.2	2.2
18	J K M H - 1001	2.0	2.5	2.3	2.5	2.0	1.0	1.7	1.8	2.3	1.9	1.8	2.5	2.5	2.3	2.1
19	MAHABEEJ - 1100	2.7	2.5	2.6	3.0	3.2	2.0	3.0	1.3	2.3	2.5	2.4	2.3	3.0	2.5	2.5
20	A A M H - 513	2.3	2.3	2.3	2.8	2.3	1.3	2.0	1.8	2.0	2.0	1.7	2.3	2.4	2.1	2.1
21	STAR - 2001	2.2	2.5	2.4	2.8	2.0	1.0	2.3	2.3	2.3	2.1	2.0	2.5	2.6	2.4	2.2
22	SURYA - 116	2.0	2.3	2.4	2.3	2.0	1.5	1.7	2.0	1.3	1.9	1.8	2.1	2.6	2.2	2.0
	CHECKS:															
23	NAVJOT	2.3	2.5	2.4	3.0	3.3	1.5	3.0	1.8	2.3	2.5	2.3	2.3	2.3	2.3	2.4
24	DECCAN - 107	2.7	2.5	2.3	3.0	2.7	1.8	2.0	2.3	2.0	2.3	2.0	2.5	2.8	2.4	2.4
25	KH 510	2.3	2.0	2.8	2.5	2.5	1.5	2.0	2.0	1.7	2.1	1.9	2.1	2.1	2.0	2.1
	MEAN LOCATION	2.4	2.4	2.5	2.6	2.4	1.5	2.3	2.0	2.0	2.2	2.0	2.3	2.6	2.3	2.2
	C.D. AT 5%=	0.3	0.3	0.5	0.2	0.6	0.7	1.0	0.9	1.0	0.7	0.4	0.4	0.5	0.4	-
	C.V. % =	8.1	7.0	14.7	4.7	14.2	33.1	25.9	31.3	29.2	-	14.4	13.4	13.5	-	-
	F (Prob)	.000	.000	.275	.000	.000	.004	.006	.041	.122	-	.000	.239	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ZN 1 BAJA	HYDE	ARBH	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	2.2	2.4	2.0	1.0	3.0	2.5	2.3	2.2	1.5	2.5	2.5	2.2	2.2
2	E H - 30969	2.0	2.4	3.0	1.5	2.7	2.3	2.3	2.4	1.8	2.1	2.6	2.2	2.3
3	E C - 3121	2.3	2.1	3.0	1.8	2.7	2.3	2.0	2.3	1.6	2.5	2.4	2.2	2.3
4	B H - 2359	2.0	2.4	2.5	1.8	2.3	2.0	1.7	2.1	1.5	2.4	2.9	2.3	2.1
5	H K H - 1169	3.3	2.3	3.3	2.0	3.0	2.3	1.7	2.4	2.3	2.3	3.3	2.6	2.6
6	H K H - 1199	3.5	2.1	3.0	2.5	3.0	2.0	2.0	2.4	2.2	2.3	3.8	2.7	2.6
7	H K H - 1208	2.3	2.1	3.0	1.3	2.7	2.0	1.7	2.1	1.5	2.4	2.6	2.2	2.2
8	A H - 017047	2.2	2.1	2.3	2.5	2.3	1.8	1.7	2.1	1.8	2.4	2.4	2.2	2.1
9	L - 166	2.2	2.0	2.3	1.0	2.0	2.0	1.7	1.8	1.8	2.5	2.4	2.2	2.0
10	X 1231 K	2.0	2.3	2.5	1.0	1.7	2.3	2.3	2.0	1.6	2.0	2.5	2.0	2.0
11	M C H - 7	2.0	2.5	2.3	1.3	1.3	2.0	1.3	1.8	2.2	2.3	3.0	2.5	2.0
12	X - 26	2.2	2.4	2.3	1.3	1.7	2.0	1.3	1.8	1.5	2.1	2.3	2.0	1.9
13	SEEDTEC - 1081	2.0	2.3	2.0	1.0	2.3	2.5	1.3	1.9	1.5	2.4	2.0	1.9	1.9
14	BISCO - 1102	2.3	2.3	2.3	1.3	1.7	2.3	2.0	1.9	1.5	2.3	2.5	2.1	2.0
15	P M Z - 237	2.0	2.4	2.0	1.8	2.0	2.3	2.0	2.1	1.5	2.1	2.0	1.9	2.0
16	N E C H - 120	2.0	2.3	2.0	1.0	1.7	1.8	2.3	1.8	1.5	2.5	2.5	2.2	2.0
17	FILLER	2.0	2.5	2.3	1.0	1.7	3.0	1.3	2.0	1.7	2.3	2.8	2.2	2.0
18	J K M H - 1001	2.0	2.5	2.3	1.0	2.0	2.5	2.3	2.1	1.5	2.3	2.8	2.2	2.1
19	MAHABEEJ - 1100	2.0	2.3	2.5	1.8	2.7	2.0	1.7	2.1	1.6	2.4	3.0	2.3	2.2
20	A A M H - 513	2.3	2.4	2.3	1.3	2.3	2.0	1.7	2.0	1.6	2.4	2.8	2.2	2.1
21	STAR - 2001	2.3	2.3	2.3	1.5	2.0	1.8	1.7	1.9	1.5	2.3	2.1	1.9	2.0
22	SURYA - 116	2.0	2.4	2.5	1.0	2.7	2.0	1.3	2.0	1.5	2.1	2.8	2.1	2.0
	CHECKS:													
23	NAVJOT	2.3	2.3	2.5	1.8	2.3	2.8	1.3	2.2	1.6	2.0	2.6	2.1	2.1
24	DECCAN - 107	2.5	2.3	2.0	1.3	2.3	2.0	2.0	2.0	1.6	2.1	2.0	1.9	2.0
25	KH 510	2.0	2.4	2.3	1.0	1.7	2.0	1.3	1.8	1.5	2.3	2.4	2.1	1.9
	MEAN LOCATION	2.2	2.3	2.4	1.4	2.2	2.2	1.8	2.0	1.7	2.3	2.6	2.2	2.1
	C.D. AT 5%=	0.4	0.4	0.2	0.7	0.8	0.8	1.2	0.7	0.2	0.4	0.3	0.3	-
	C.V. % =	9.5	11.0	6.6	37.4	22.3	25.1	41.0	-	9.8	13.0	8.2	-	-
	F (Prob)	.000	.437	.000	.000	.001	.218	.749	-	.000	.470	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ZN 1 BAJA	HYDE	ARBH	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	2.5	2.6	2.5	3.0	2.3	2.3	2.5	2.0	2.3	2.8	2.4	2.5
2	E H - 30969	2.3	2.6	3.0	3.0	2.5	1.3	2.5	2.0	2.4	3.1	2.5	2.5
3	E C - 3121	2.5	2.5	3.0	2.7	2.3	2.7	2.6	1.8	2.3	3.0	2.3	2.5
4	B H - 2359	2.2	2.8	2.0	2.3	2.3	1.0	2.1	1.6	2.3	2.5	2.1	2.1
5	H K H - 1169	2.0	2.5	2.3	2.7	3.3	1.0	2.3	2.2	2.5	2.8	2.5	2.3
6	H K H - 1199	2.0	2.5	2.3	3.0	2.5	2.0	2.5	1.8	2.5	3.0	2.4	2.4
7	H K H - 1208	2.2	2.5	2.3	2.3	2.3	3.3	2.5	1.6	2.3	2.5	2.1	2.4
8	A H - 017047	2.2	2.4	2.8	2.3	2.5	1.3	2.3	2.3	2.3	2.3	2.3	2.3
9	L - 166	2.2	2.4	3.0	2.3	1.5	2.0	2.2	1.9	2.5	2.1	2.2	2.2
10	X 1231 K	2.2	2.5	2.0	2.3	2.5	1.7	2.2	1.8	2.4	2.0	2.1	2.2
11	M C H - 7	2.0	2.6	2.3	1.0	2.5	1.3	1.9	2.6	2.3	2.4	2.4	2.1
12	X - 26	2.0	2.4	2.5	2.0	2.0	1.7	2.1	1.6	2.3	2.3	2.0	2.1
13	SEEDTEC - 1081	2.0	2.6	2.0	2.7	1.8	1.3	2.1	1.5	2.3	2.1	2.0	2.0
14	BISCO - 1102	2.0	2.6	2.5	2.0	2.5	2.7	2.5	1.6	2.1	2.0	1.9	2.2
15	P M Z - 237	2.3	2.5	2.3	2.0	2.8	1.7	2.2	1.6	2.3	2.0	1.9	2.2
16	N E C H - 120	2.2	2.5	2.3	2.0	2.3	2.3	2.3	1.7	2.4	2.5	2.2	2.2
17	FILLER	2.2	2.6	2.3	1.7	2.0	2.0	2.1	1.7	2.5	2.8	2.3	2.2
18	J K M H - 1001	2.0	2.9	2.0	2.3	2.3	1.7	2.2	1.7	2.4	2.8	2.3	2.2
19	MAHABEEJ - 1100	2.2	2.5	2.8	2.3	2.3	3.0	2.6	1.7	2.4	3.0	2.4	2.5
20	A A M H - 513	2.2	2.6	2.8	2.7	2.3	2.7	2.6	1.5	2.4	2.4	2.1	2.4
21	STAR - 2001	2.2	2.4	2.8	2.0	2.3	2.0	2.3	1.8	2.1	2.3	2.1	2.2
22	SURYA - 116	2.0	2.8	2.5	2.3	2.0	1.3	2.2	1.8	2.1	2.0	2.0	2.1
	CHECKS:												
23	NAVJOT	2.3	2.6	2.5	2.3	2.0	1.3	2.2	1.9	2.5	2.9	2.4	2.3
24	DECCAN - 107	2.3	2.5	2.8	2.3	3.0	2.7	2.7	1.7	2.4	2.4	2.1	2.4
25	KH 510	2.0	2.6	2.8	2.0	2.3	1.7	2.3	1.8	2.1	2.3	2.0	2.2
	MEAN LOCATION	2.2	2.6	2.5	2.3	2.3	1.9	2.3	1.8	2.3	2.5	2.2	2.3
	C.D. AT 5%=	0.4	0.4	0.3	0.7	0.9	1.2	0.7	0.4	0.4	0.3	0.4	-
	C.V. % =	12.2	12.4	8.3	19.6	27.3	38.0	-	17.5	11.2	9.2	-	-
	F (Prob)	.425	.904	.000	.001	.183	.007	-	.001	.549	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN	ZN 3 AMBI	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN
1	W C - 14 - 1 (DBM)	205	240	193	200	200	208	199	263	178	186	177	190	199
2	E H - 30969	170	203	175	175	192	186	180	217	165	170	171	205	186
3	E C - 3121	205	225	200	202	191	204	185	230	179	189	182	184	193
4	B H - 2359	168	203	165	177	159	176	167	200	174	165	159	200	179
5	H K H - 1169	173	193	148	162	154	164	181	220	161	161	160	188	178
6	H K H - 1199	175	205	166	183	161	179	175	207	164	162	171	203	181
7	H K H - 1208	182	203	175	183	191	188	188	230	170	179	172	193	189
8	A H - 017047	182	210	174	182	179	186	183	220	180	175	164	197	187
9	L - 166	217	210	194	170	185	190	197	243	176	185	179	181	193
10	X 1231 K	215	225	190	213	213	210	206	273	184	204	191	195	209
11	M C H - 7	192	205	176	175	160	179	186	233	170	179	176	187	189
12	X - 26	192	215	186	187	189	194	196	237	174	186	187	196	196
13	SEEDTEC - 1081	193	220	186	193	195	199	189	237	178	188	181	189	194
14	BISCO - 1102	195	218	166	183	180	187	188	225	171	188	181	180	189
15	P M Z - 237	207	228	186	178	182	193	185	237	173	195	187	184	195
16	N E C H - 120	208	225	188	190	212	204	197	243	185	188	182	205	201
17	FILLER	198	238	188	195	189	202	199	247	170	195	184	187	197
18	J K M H - 1001	207	238	185	213	207	211	203	240	188	200	173	178	196
19	MAHABEEJ - 1100	184	215	178	182	171	186	174	213	164	175	165	201	184
20	A A M H - 513	205	220	194	190	189	198	193	260	176	185	187	195	201
21	STAR - 2001	209	230	180	173	174	189	197	247	164	189	182	181	193
22	SURYA - 116	205	225	199	195	196	204	199	240	184	202	190	202	204
	CHECKS:													
23	NAVJOT	177	250	190	175	172	197	185	227	166	178	178	197	189
24	DECCAN - 107	188	218	199	208	207	208	197	243	178	185	169	195	194
25	KH 510	183	230	185	173	179	192	177	223	179	198	171	198	194
	MEAN LOCATION	193	220	183	186	185	193	189	234	174	184	177	193	192
	C.D. AT 5%=	15.5	15.9	18.7	12.9	28.3	18.9	17.2	27.4	16.3	21.6	8.8	23.0	19.4
	C.V. % =	4.9	4.4	7.3	4.2	10.8	-	6.5	7.1	6.7	7.1	3.5	7.3	-
	F (Prob)	.000	.000	.000	.000	.001	-	.001	.000	.063	.005	.000	.479	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN	EAR HEIGHT (cm) ZN 1 BAJA	DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	W C - 14 - 1 (DBM)	245	166	169	193	201	107	113	106	82	86	97
2	E H - 30969	215	166	146	176	182	85	93	79	103	74	87
3	E C - 3121	231	165	149	182	194	88	105	103	105	86	100
4	B H - 2359	209	150	127	162	173	80	95	80	92	64	83
5	H K H - 1169	214	148	130	164	171	90	85	64	88	64	75
6	H K H - 1199	228	145	137	170	177	90	90	71	88	61	78
7	H K H - 1208	230	155	158	181	186	97	93	74	97	80	86
8	A H - 017047	203	168	128	166	182	90	108	75	97	77	89
9	L - 166	240	159	148	182	192	98	108	88	82	78	89
10	X 1231 K	259	179	174	204	209	104	90	81	110	80	90
11	M C H - 7	205	163	148	172	182	102	95	76	85	69	81
12	X - 26	236	158	157	184	192	80	100	81	100	74	89
13	SEEDTEC - 1081	238	168	145	183	193	88	100	89	107	75	92
14	BISCO - 1102	235	169	146	183	188	103	103	79	105	77	91
15	P M Z - 237	239	166	177	194	194	92	108	86	95	68	89
16	N E C H - 120	239	166	163	189	199	105	105	78	97	87	92
17	FILLER	229	151	156	179	195	92	100	85	87	71	86
18	J K M H - 1001	256	165	172	198	202	90	103	75	97	80	88
19	MAHABEEJ - 1100	221	166	143	177	182	73	80	79	100	65	81
20	A A M H - 513	235	166	161	187	197	85	90	78	95	74	84
21	STAR - 2001	248	163	170	193	193	107	100	94	88	74	89
22	SURYA - 116	260	164	174	199	202	83	95	85	92	75	87
	CHECKS:											
23	NAVJOT	240	160	146	182	189	78	115	91	80	71	89
24	DECCAN - 107	240	178	187	202	199	90	95	98	93	83	92
25	KH 510	235	166	164	188	190	85	105	86	113	71	94
	MEAN LOCATION	233	163	155	184	191	91	99	83	95	74	88
	C.D. AT 5%=	17.6	9.7	13.5	13.6	-	12.9	14.6	17.6	9.1	15.2	14.1
	C.V. % =	5.4	4.2	6.2	-	-	8.6	9.0	15.0	5.9	14.6	-
	F (Prob)	.000	.000	.000	-	-	.000	.002	.002	.000	.032	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 3 AMBI	BANG POCB	BANG MONS	MAND	COIM	YEOT MAHA	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	65	120	101	86	94	92	99	118	65	63	82	93
2	E H - 30969	52	73	103	74	86	94	86	98	70	62	76	82
3	E C - 3121	62	97	103	81	94	95	94	106	65	75	82	90
4	B H - 2359	52	77	105	77	70	107	87	81	61	45	62	77
5	H K H - 1169	54	90	101	67	76	89	84	83	60	65	69	77
6	H K H - 1199	58	83	100	74	73	99	86	88	64	63	71	79
7	H K H - 1208	60	83	100	80	82	95	88	96	65	70	77	84
8	A H - 017047	53	83	105	81	71	96	87	96	75	60	77	83
9	L - 166	60	90	105	83	76	101	91	118	78	70	88	88
10	X 1231 K	62	117	104	80	85	110	99	94	74	73	80	90
11	M C H - 7	57	107	100	86	91	101	97	81	68	68	72	85
12	X - 26	61	93	103	78	87	104	93	99	56	66	74	84
13	SEEDTEC - 1081	57	87	105	84	84	104	93	99	70	64	78	86
14	BISCO - 1102	63	100	104	87	88	109	98	100	70	66	79	89
15	P M Z - 237	56	80	105	80	78	104	89	83	68	73	74	84
16	N E C H - 120	58	113	115	77	95	105	101	109	73	79	87	92
17	FILLER	58	93	101	79	77	99	90	84	58	65	69	82
18	J K M H - 1001	57	100	108	90	75	112	97	100	63	65	76	87
19	MAHABEEJ - 1100	44	77	100	80	71	115	89	68	68	61	65	77
20	A A M H - 513	59	93	104	75	81	116	94	85	71	64	73	83
21	STAR - 2001	68	97	101	85	90	106	96	119	78	75	90	91
22	SURYA - 116	58	80	106	87	88	99	92	104	75	79	86	86
	CHECKS:												
23	NAVJOT	57	107	103	83	83	96	94	93	66	61	73	84
24	DECCAN - 107	60	87	105	74	84	98	90	93	80	82	85	87
25	KH 510	48	90	110	87	77	98	92	93	68	67	76	86
	MEAN LOCATION	57	93	104	81	82	102	92	95	68	67	77	85
	C.D. AT 5%=	8.8	21.0	7.5	18.5	6.8	16.5	14.1	12.1	7.0	5.7	8.3	-
	C.V. % =	10.8	13.8	5.1	14.0	5.9	9.9	-	9.0	7.3	6.0	-	-
	F (Prob)	.001	.001	.050	.846	.000	.133	-	.000	.000	.000	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	H.turcicum * ZN 1 BAJA	BANG POCB	OV'L MEAN	H.mayd* ZN 1 BAJA	EAR No. / PLANT DELH	LUDH	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	W C - 14 - 1 (DBM)	2.2	3.3	2.8	1.5	1.02	0.98	1.00	1.13	1.01	1.07
2	E H - 30969	2.0	4.2	3.1	1.3	1.04	0.87	0.96	0.97	1.06	1.01
3	E C - 3121	1.5	3.5	2.5	1.2	1.02	1.03	1.02	0.88	1.04	0.96
4	B H - 2359	2.7	3.0	2.8	1.2	1.05	0.99	1.02	0.83	1.10	0.97
5	H K H - 1169	4.3	4.7	4.5	1.3	1.06	0.95	1.00	0.84	1.11	0.98
6	H K H - 1199	4.2	4.3	4.3	1.2	1.13	0.93	1.03	0.86	1.08	0.97
7	H K H - 1208	2.2	3.2	2.7	1.2	1.05	0.96	1.00	0.92	1.09	1.00
8	A H - 017047	2.2	2.7	2.4	1.7	1.11	0.98	1.04	1.06	1.16	1.11
9	L - 166	2.0	3.2	2.6	1.0	1.03	0.95	0.99	0.88	0.99	0.94
10	X 1231 K	1.5	2.0	1.8	1.2	1.00	0.92	0.96	0.89	1.06	0.98
11	M C H - 7	1.7	2.5	2.1	1.0	1.01	0.96	0.99	0.88	1.02	0.95
12	X - 26	1.7	2.7	2.2	1.2	0.98	0.93	0.96	0.84	1.15	0.99
13	SEEDTEC - 1081	1.2	3.0	2.1	1.2	1.03	0.96	0.99	0.85	1.07	0.96
14	BISCO - 1102	1.8	2.3	2.0	1.2	0.99	0.91	0.95	0.85	1.15	1.00
15	P M Z - 237	1.5	1.8	1.7	1.3	1.01	0.97	0.99	0.84	1.11	0.97
16	N E C H - 120	1.2	2.3	1.8	1.2	1.00	0.93	0.96	0.88	1.12	1.00
17	FILLER	1.5	2.0	1.8	1.5	1.03	0.92	0.97	0.77	1.10	0.94
18	J K M H - 1001	1.7	2.0	1.8	1.2	1.07	0.97	1.02	0.84	1.19	1.01
19	MAHABEEJ - 1100	1.7	3.3	2.5	1.3	0.96	0.91	0.94	0.80	1.04	0.92
20	A A M H - 513	1.5	3.2	2.3	1.2	1.10	1.01	1.06	0.83	1.02	0.92
21	STAR - 2001	1.5	2.2	1.8	1.0	1.24	0.97	1.10	0.88	1.05	0.97
22	SURYA - 116	1.5	3.0	2.3	1.3	1.01	0.96	0.99	0.85	1.12	0.99
	CHECKS:										
23	NAVJOT	3.2	3.7	3.4	1.2	1.04	0.92	0.98	0.87	1.05	0.96
24	DECCAN - 107	1.8	3.0	2.4	1.3	1.07	1.00	1.04	0.76	1.11	0.93
25	KH 510	1.3	1.8	1.6	1.0	1.05	1.01	1.03	0.85	1.07	0.96
	MEAN LOCATION	2.0	2.9	2.4	1.2	-	-	-	-	-	-
	C.D. AT 5%=	0.5	1.1	-	0.5	-	-	-	-	-	-
	C.V. % =	14.3	22.3	-	23.8	-	-	-	-	-	-
	F (Prob)	.000	.000	-	.518	-	-	-	-	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT HYDE	BANG MONS	MAND	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 1 (DBM)	0.96	1.02	0.86	0.95	0.94	0.96	1.01	0.97	0.99
2	E H - 30969	1.09	0.99	0.86	0.98	0.94	1.08	1.00	1.01	0.99
3	E C - 3121	1.06	1.00	0.91	0.99	0.91	0.91	1.00	0.94	0.98
4	B H - 2359	1.11	1.00	0.97	1.03	0.93	0.95	1.00	0.96	0.99
5	H K H - 1169	1.13	0.99	0.85	0.99	0.91	0.93	1.00	0.94	0.98
6	H K H - 1199	1.24	1.00	0.99	1.07	0.93	1.07	1.04	1.01	1.03
7	H K H - 1208	1.09	1.01	0.95	1.02	0.97	0.97	1.04	0.99	1.00
8	A H - 017047	1.09	1.01	1.08	1.06	1.01	1.05	1.00	1.02	1.05
9	L - 166	1.03	0.99	0.98	1.00	0.94	0.93	1.00	0.96	0.97
10	X 1231 K	0.96	1.01	0.97	0.98	0.88	1.03	1.00	0.97	0.97
11	M C*H - 7	1.21	1.02	1.02	1.08	0.94	0.95	1.00	0.96	1.00
12	X - 26	1.06	1.00	0.92	0.99	0.95	0.94	1.00	0.96	0.98
13	SEEDTEC - 1081	1.05	1.00	1.02	1.02	0.91	0.99	1.14	1.01	1.00
14	BISCO - 1102	1.00	1.03	0.95	0.99	0.89	0.91	1.10	0.96	0.98
15	P M Z - 237	1.02	0.99	1.23	1.08	0.95	0.96	1.02	0.97	1.01
16	N E C H - 120	1.10	1.03	1.08	1.07	0.97	0.96	1.00	0.98	1.01
17	FILLER	1.05	1.00	0.90	0.98	1.01	1.01	1.00	1.01	0.98
18	J K M H - 1001	0.96	0.99	0.96	0.97	0.92	0.93	1.03	0.96	0.99
19	MAHABEEJ - 1100	0.95	0.99	0.88	0.94	0.93	1.06	1.00	1.00	0.95
20	A A M H - 513	0.99	0.99	0.97	0.98	0.98	0.96	1.04	0.99	0.99
21	STAR - 2001	1.00	1.00	0.92	0.97	0.94	1.07	1.04	1.02	1.01
22	SURYA - 116	1.00	0.98	1.08	1.02	0.96	0.99	1.00	0.98	1.00
	CHECKS:									
23	NAVJOT	0.94	1.02	1.08	1.01	0.98	0.94	1.00	0.97	0.98
24	DECCAN - 107	1.08	1.00	0.92	1.00	0.90	1.06	1.07	1.01	1.00
25	KH 510	0.99	1.00	1.01	1.00	0.94	0.96	1.00	0.97	0.99
	MEAN LOCATION	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	-	-	-	-	-	-	-	-	-
	C.V. % =	-	-	-	-	-	-	-	-	-
	F (Prob)	-	-	-	-	-	-	-	-	-

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST BAJA	DELH	LUDH	KARN	PANT	VARA	AMBI	HYDE	ARBH	BANG POCB
1	W C - 14 - 1 (DBM)	33	34	38	27	25	35	19	18	37	31
2	E H - 30969	33	36	35	21	24	34	24	18	34	30
3	E C - 3121	29	35	37	23	28	40	15	22	35	32
4	B H - 2359	32	33	42	25	29	35	24	26	41	32
5	H K H - 1169	33	34	37	26	28	34	25	23	35	34
6	H K H - 1199	31	34	40	28	25	36	27	22	41	34
7	H K H - 1208	33	35	38	25	30	39	22	23	39	34
8	A H - 017047	34	37	40	26	26	35	22	17	40	31
9	L - 166	34	38	38	26	32	35	27	20	41	34
10	X 1231 K	40	34	39	25	23	34	26	21	36	33
11	M C H - 7	34	35	39	27	26	33	25	20	42	32
12	X - 26	31	36	41	24	26	36	32	21	39	34
13	SEEDTEC - 1081	34	33	40	25	28	39	32	22	43	34
14	BISCO - 1102	36	36	41	24	27	33	28	26	40	31
15	P M Z - 237	32	36	40	25	26	35	32	22	43	34
16	N E C H - 120	35	32	39	26	35	41	32	30	41	33
17	FILLER	34	33	39	24	28	35	33	24	43	34
18	J K M H - 1001	31	32	39	24	28	34	28	21	40	34
19	MAHABEEJ - 1100	32	30	35	24	20	39	20	15	30	28
20	A A M H - 513	33	34	37	25	31	37	29	21	40	34
21	STAR - 2001	34	36	39	27	27	39	22	20	42	33
22	SURYA - 116	31	33	36	24	26	35	24	21	41	32
	CHECKS:										
23	NAVJOT	36	35	38	26	25	34	25	17	38	30
24	DECCAN - 107	37	35	38	28	31	38	25	21	38	32
25	KH 510	34	36	38	24	27	36	22	22	40	32
	MEAN LOCATION	34	34	38	25	27	36	25	21	39	32
	C.D. AT 5%=	3.1	6.2	4.3	3.3	6.2	3.5	6.7	6.7	6.4	4.4
	C.V. % =	5.6	11.0	7.9	7.9	16.3	4.7	18.7	22.3	11.6	8.3
	F (Prob)	.000	.747	.228	.017	.022	.001	.000	.033	.022	.403

TABLE NO. 3 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST						OV'L MEAN
		BANG MONS	MAND	COIM	YEOT MAHA	UDAI	BANS	GODH	
1	W C - 14 - 1 (DBM)	38	40	37	37	31	27	22	31
2	E H - 30969	30	38	37	28	29	24	22	29
3	E C - 3121	36	35	38	31	33	29	21	30
4	B H - 2359	38	41	38	35	34	29	27	33
5	H K H - 1169	33	37	37	33	32	26	21	31
6	H K H - 1199	32	37	37	34	33	29	28	32
7	H K H - 1208	41	41	37	33	30	26	30	33
8	A H - 017047	37	39	38	41	36	27	24	32
9	L - 166	38	39	37	37	31	28	29	33
10	X 1231 K	38	34	37	38	34	30	31	33
11	M C H - 7	37	38	37	33	30	28	27	32
12	X - 26	40	39	38	37	32	25	25	33
13	SEEDTEC - 1081	38	39	38	39	32	24	26	33
14	BISCO - 1102	40	38	38	37	34	27	26	33
15	P M Z - 237	39	39	38	33	35	28	29	33
16	N E C H - 120	40	39	38	34	35	28	29	34
17	FILLER	40	37	37	40	32	29	27	33
18	J K M H - 1001	41	40	38	36	30	27	32	33
19	MAHABEEJ - 1100	35	38	37	32	29	25	18	29
20	A A M H - 513	34	43	38	34	37	23	26	33
21	STAR - 2001	37	39	38	37	34	26	26	33
22	SURYA - 116	37	38	38	37	31	33	28	32
	CHECKS:								
23	NAVJOT	38	37	38	29	30	28	22	31
24	DECCAN - 107	38	37	37	28	38	25	29	33
25	KH 510	41	40	38	34	35	28	27	33
	MEAN LOCATION	37	38	37	35	33	27	26	32
	C.D. AT 5%=	4.3	5.1	0.8	6.8	5.0	5.6	5.8	-
	C.V. % =	8.2	8.1	1.5	11.9	11.0	14.8	15.8	-
	F (Prob)	.000	.386	.233	.012	.023	.231	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 4

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, DELHI, LUDHIANA, KARNAL, VARANASI, DHOLI, AMBIKAPUR, KARIMNAGAR, ARBHAVI, MONSANTO BANGALORE, MANDYA, COIMBATORE, SYNGENTA AURANGABAD, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL NO. TR62B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 BAJA	R	DELH	R	LUDH	R	KARN	R	ZN 2 MEAN	R	VARA	R	DHOL	R	AMBI	R	ZN 3 MEAN	R
1	W C-14-2 (DBM)	6056	17	4242	17	4745	23	3497	18	4161	20	4400	5	5221	12	4021	13	4548	8
2	E H - 31079	6172	15	4789	9	5109	17	3348	21	4416	16	2601	19	4735	20	3729	21	3688	23
3	E C - 3122	5808	19	3983	18	5339	16	3360	20	4227	19	2434	22	5147	14	3824	18	3802	21
4	B H - 2809	8069	2	5900	3	7665	1	3731	14	5765	2	3509	10	5512	8	4019	14	4347	10
5	H K H - 1187	3879	25	3688	23	2493	25	3969	10	3383	25	3556	9	5188	13	3943	16	4229	13
6	H K H - 1203	5290	21	3850	19	5343	15	4590	4	4594	14	3362	13	3789	25	4356	6	3836	19
7	A H - 017045	4887	24	4545	16	4821	22	3484	19	4283	18	1337	25	5076	15	3751	20	3388	25
8	A H - 017051	6131	16	4636	14	5064	19	3205	22	4301	17	2512	20	4172	24	3876	17	3520	24
9	Jq - GM - 3	5259	22	3736	22	4885	21	3107	23	3909	23	3153	15	5548	7	3021	25	3907	17
10	SNEHA - 4002	7130	8	5479	4	6453	7	3566	16	5166	7	2845	17	7380	1	3814	19	4680	5
11	X 1280 A	6482	14	4688	13	5945	11	5278	1	5304	5	2294	23	5063	16	5662	1	4340	11
12	M C H - 8	7189	7	3840	20	6242	8	4766	2	4950	10	3108	16	4614	23	4408	5	4043	16
13	X - 2151	7267	6	4915	7	5857	12	4125	8	4965	9	5067	4	6285	4	5633	2	5662	2
14	SEEDTEC - 168	7486	4	5407	5	7532	2	3720	15	5553	4	3501	11	6615	3	3648	22	4588	6
15	BISCO - 201	6672	13	6131	1	7030	4	3989	9	5717	3	4097	7	4744	19	4097	12	4313	12
16	N E C H - 119	9067	1	6087	2	7372	3	4697	3	6052	1	5297	2	7282	2	4788	3	5789	1
17	BIO - 22027	6682	12	5090	6	6516	6	4295	6	5300	6	5071	3	5429	11	4126	10	4875	4
18	FILLER	7740	3	4855	8	6673	5	3831	12	5120	8	3648	8	5603	6	4238	8	4496	9
19	J K M H - 340	7014	9	4559	15	5106	18	2815	25	4160	21	2460	21	4895	18	4104	11	3819	20
20	A A M H - 511	5488	20	4694	12	5655	13	3904	11	4751	12	4192	6	4652	21	3474	24	4106	15
21	N M H - 20507	6784	11	4745	11	6176	10	3824	13	4915	11	3308	14	5928	5	4416	4	4550	7
22	STAR - 2011	7293	5	4786	10	6225	9	3025	24	4679	13	6372	1	5431	10	4153	9	5319	3
	CHECKS:																		
23	NAVJOT	4990	23	3751	21	5034	20	3511	17	4099	22	2617	18	5508	9	3586	23	3903	18
24	DECCAN - 107	6915	10	3001	25	4511	24	4197	7	3903	24	3396	12	5038	17	3984	15	4139	14
25	KH 510	6011	18	3685	24	5507	14	4415	5	4536	15	2224	24	4649	22	4293	7	3722	22
	MEAN YIELD=	6470		4603		5732		3850		4728		3454		5340		4119		4304	
	MEAN STAND	33		33		37		24		31		36		33		26		32	
	C.D. AT 5%=	1006		1129		1583		863		1192		403		1419		608		810	
	C.V. % =	9.48		14.95		19.61		13.65		-		7.10		18.86		10.48		-	
	F (Prob)	.000		.000		.000		.000		-		.000		.010		.000		-	
	PLOT SIZE=	4.80		7.50		5.20		3.90		-		7.50		7.50		7.50		-	
	AGRONOMY DATA:																		
	SOW. DATE(2002)	6-07		4-07		5-07		27-06		-		23-07		17-07		4-07		-	
	HAR. DATE(2002)	12-11		16-10		10-10		26-09		-		31-10		30-10		-		-	
	IRRIGATION Nos	2		-		8		3		-		1		-		-		-	
	FERTILIZER APP.N	120		120		125		150		-		120		100		100		-	
	P	60		80		60		60		-		60		60		50		-	
	K	40		60		30		60		-		40		40		25		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 61.4% : PANT 20.9% : HYDE 27.9% : POCB 26.5% : KOLH 20.1% : MAHA 21.9%

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE													
		KARI	R	ARBH	R	BANG MONS	R	MAND	R	COIM	R	AURA SYNG	R	ZN 4 MEAN	R
1	W C - 14 - 2 (DBM)	6204	19	5375	16	4282	14	6377	19	5861	19	3064	25	5194	21
2	E H - 31079	6426	17	5088	21	5124	8	7053	16	6637	10	4053	15	5730	15
3	E C - 3122	5903	22	5035	22	4030	18	6342	20	5398	24	4084	14	5132	22
4	B H - 2809	8705	1	6113	10	4005	20	7488	14	6524	13	4379	9	6202	11
5	H K H - 1187	7044	9	3764	25	3432	23	6450	18	6613	12	3229	24	5089	23
6	H K H - 1203	7504	5	5291	20	4784	13	5615	24	6322	14	3386	21	5484	16
7	A H - 017045	6846	13	4993	23	4023	19	6305	21	6198	16	4326	10	5449	17
8	A H - 017051	6344	18	5813	13	4036	17	5938	22	6633	11	3277	23	5340	20
9	Jq - GM - 3	5019	25	5367	17	3299	25	4556	25	5271	25	3313	22	4471	25
10	SNEHA - 4002	7334	7	6016	12	4872	12	8533	10	5755	21	5636	1	6358	9
11	X 1280 A	8552	3	8036	1	6702	1	8038	12	7862	1	4666	7	7309	1
12	M C H - 8	6957	11	5765	14	5097	9	8852	6	7498	2	3477	20	6274	10
13	X - 2151	7215	8	6497	7	5231	7	8837	7	7305	4	4170	12	6543	6
14	SEEDTEC - 168	5558	24	6627	4	4219	16	7974	13	6073	17	4191	11	5774	14
15	BISCO - 201	7011	10	6298	9	5525	5	8870	5	6983	8	3631	17	6386	8
16	N E C H - 119	8616	2	6560	6	5527	4	9267	2	7236	5	4971	4	7030	2
17	BIO - 22027	6547	16	6668	3	5849	2	9119	3	7093	6	4802	6	6679	4
18	FILLER	7402	6	6105	11	4917	10	8959	4	7071	7	4160	13	6436	7
19	J K M H - 340	5913	21	5342	18	3698	22	7239	15	5484	23	5012	3	5448	18
20	A A M H - 511	6810	14	5480	15	4896	11	8529	11	6307	15	3545	19	5928	13
21	N M H - 20507	6861	12	6583	5	4274	15	10175	1	6711	9	4861	5	6578	5
22	STAR - 2011	8252	4	7016	2	5637	3	8685	9	7349	3	4381	8	6887	3
	CHECKS:														
23	NAVJOT	6026	20	4237	24	3408	24	5669	23	5763	20	3566	18	4778	24
24	DECCAN - 107	5594	23	5323	19	3727	21	6636	17	5525	22	5506	2	5385	19
25	KH 510	6651	15	6386	8	5440	6	8730	8	5979	18	3639	16	6137	12
	MEAN YIELD=	6852		5831		4641		7609		6458		4133		5921	
	MEAN STAND	41		37		37		37		37		33		37	
	C.D. AT 5%=	1533		916		979		1399		1443		1496		1294	
	C.V. % =	15.88		11.15		14.97		11.21		15.85		17.54		-	
	F (Prob)	.000		.000		.000		.000		.009		.070		-	
	PLOT SIZE=	7.50		7.50		7.50		7.00		7.50		7.50		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	1-08		25-07		6-07		25-07		12-07		3-06		-	
	HARVEST DATE(2002)	12-11		22-11		15-11		28-11		24-10		-		-	
	IRRIGATION Nos	4		6		-		5		8		-		-	
	FERTILIZER APPLIED N	120		150		-		150		135		120		-	
	P	60		75		-		75		63		100		-	
	K	30		38		-		40		50		60		-	

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		UDAI	R	BANS	R	GODH	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
1	W C - 14 - 2 (DBM)	4405	14	2552	13	2684	13	2854	25	3124	22	4461	18
2	E H - 31079	4693	13	2558	12	2776	8	3071	22	3275	17	4586	15
3	E C - 3122	4334	16	2948	2	2966	5	3506	18	3439	14	4379	20
4	B H - 2809	6900	3	2332	21	2726	11	4305	13	4066	6	5405	6
5	H K H - 1187	2948	25	2543	14	2193	24	3248	20	2733	25	4011	24
6	H K H - 1203	3910	22	2517	16	2647	15	3584	17	3165	19	4479	17
7	A H - 017045	3700	24	2513	17	2975	4	3815	15	3251	18	4329	22
8	A H - 017051	4316	17	2322	22	2763	10	3241	21	3160	21	4369	21
9	Jg - GM - 3	3962	21	2795	4	2264	23	3622	16	3161	20	4010	25
10	SNEHA - 4002	5678	8	2559	11	2284	22	4540	10	3765	10	5287	10
11	X 1280 A	6542	4	2397	20	2589	18	4732	6	4065	7	5619	2
12	M C H - 8	3813	23	2623	9	2763	9	5155	4	3589	12	5069	12
13	X - 2151	5159	10	2952	1	2368	21	4076	14	3639	11	5468	4
14	SEEDTEC - 168	5117	11	2660	7	2812	6	4681	8	3817	9	5166	11
15	BISCO - 201	6337	6	2156	25	3124	3	4718	7	4084	5	5377	7
16	N E C H - 119	6379	5	2492	18	3301	2	5193	2	4342	2	6125	1
17	BIO - 22027	6913	1	2600	10	2700	12	5189	3	4351	1	5570	3
18	FILLER	5665	9	2542	15	2599	17	5275	1	4020	8	5370	9
19	J K M H - 340	4884	12	2851	3	2428	20	3470	19	3408	15	4545	16
20	A A M H - 511	4301	18	2399	19	2494	19	4367	12	3390	16	4776	14
21	N M H - 20507	6908	2	2647	8	2053	25	5106	5	4178	3	5374	8
22	STAR - 2011	4393	15	2301	23	2656	14	4678	9	3507	13	5449	5
	CHECKS:												
23	NAVJOT	4183	19	2252	24	2790	7	2905	23	3032	23	4106	23
24	DECCAN - 107	3966	20	2665	6	2637	16	2861	24	3032	24	4440	19
25	KH 510	5702	7	2727	5	3675	1	4469	11	4143	4	4952	13
	MEAN YIELD=	5004		2556		2691		4106		3589		4909	
	MEAN STAND	30		27		24		24		26		32	
	C.D. AT 5%=	473		341		737		1331		721		1039	
	C.V. % =	6.71		9.46		19.44		19.76		-		-	
	F (Prob)	.000		.000		.000		.005					
	PLOT SIZE=	6.00		6.00		6.00		6.00		-		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		20-07		8-07		25-07		-		-	
	HARVEST DATE(2002)	3-10		23-10		11-10		14-11		-		-	
	IRRIGATION Nos	2		-		-		-		-		-	
	FERTILIZER APPLIED N	120		80		100		120		-		-	
	P	60		60		50		60		-		-	
	K	-		-		-		40		-		-	

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	ARBH
1	W C - 14 - 2 (DBM)	21.35	13.10	-	-	1.53	68.16	-	12.14	16.50	2.96	26.86
2	E H - 31079	23.67	27.67	1.50	-	7.73	-	-	3.98	-	6.65	20.07
3	E C - 3122	16.39	6.18	6.07	-	3.14	-	-	6.64	-	-	18.84
4	B H - 2809	61.69	57.30	52.28	6.25	40.67	34.10	0.07	12.07	11.35	44.47	44.28
5	H K H - 1187	-	-	-	13.03	-	35.89	-	9.95	8.34	16.89	-
6	H K H - 1203	6.01	2.65	6.14	30.71	12.09	28.47	-	21.47	-	24.53	24.87
7	A H - 017045	-	21.16	-	-	4.51	-	-	4.59	-	13.62	17.84
8	A H - 017051	22.85	23.58	0.60	-	4.95	-	-	8.09	-	5.29	37.20
9	Jg - GM - 3	5.37	-	-	-	-	20.49	0.73	-	0.09	-	26.67
10	SNEHA - 4002**	42.88	46.07	28.20	1.57	26.05	8.74	34.00	6.35	19.89	21.70	41.99
11	X 1280 A	29.88	24.99	18.10	50.31	29.40	-	-	57.88	11.17	41.92	89.67
12	M C H - 8	44.06	2.38	24.01	35.74	20.76	18.76	-	22.93	3.58	15.46	36.06
13	X - 2151	45.62	31.03	16.35	17.47	21.15	93.63	14.12	57.08	45.04	19.74	53.34
14	SEEDTEC - 168	50.00	44.16	49.64	5.95	35.49	33.80	20.12	1.72	17.54	-	56.41
15	BISCO - 201	33.69	63.46	39.66	13.62	39.48	56.57	-	14.26	10.49	16.35	48.64
16	N E C H - 119	81.68	62.27	46.45	33.76	47.65	102.43	32.22	33.53	48.31	42.99	54.82
17	BIO - 22027	33.89	35.69	29.45	22.32	29.32	93.79	-	15.05	24.90	8.65	57.37
18	FILLER	55.09	29.44	32.58	9.10	24.92	39.39	1.74	18.19	15.19	22.85	44.08
19	J K M H - 340	40.54	21.54	1.44	-	1.50	-	-	14.43	-	-	26.08
20	A A M H - 511	9.98	25.14	12.35	11.17	15.91	60.20	-	-	5.19	13.02	29.33
21	N M H - 20507	35.93	26.50	22.69	8.89	19.91	26.40	7.63	23.14	16.57	13.86	55.37
22	STAR - 2011	46.14	27.60	23.67	-	14.15	143.51	-	15.82	36.26	36.95	65.59
	CHECKS:											
23	NAVJOT	-	-	-	-	-	-	-	-	-	-	-
24	DECCAN - 107	38.56	-	-	19.52	-	29.79	-	11.08	6.04	-	25.64
25	KH 510	20.46	-	9.41	25.74	10.67	-	-	19.71	-	10.37	50.71

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2(DBM)	25.64	12.49	1.71	-	8.70	5.32	13.32	-	-	3.01	8.66
2	E H - 31079	50.35	24.42	15.16	13.65	19.92	12.21	13.60	-	5.70	7.98	11.70
3	E C - 3122	18.24	11.87	-	14.53	7.40	3.61	30.93	6.32	20.67	13.39	6.66
4	B H - 2809	17.50	32.09	13.20	22.78	29.80	64.96	3.57	-	48.19	34.08	31.64
5	H K H - 1187	0.71	13.78	14.75	-	6.50	-	12.91	-	11.82	-	-
6	H K H - 1203	40.38	-	9.70	-	14.77	-	11.78	-	23.37	4.36	9.09
7	A H - 017045	18.04	11.22	7.54	21.30	14.03	-	11.61	6.63	31.31	7.20	5.44
8	A H - 017051	18.42	4.74	15.10	-	11.76	3.20	3.11	-	11.57	4.22	6.42
9	Jg - GM - 3	-	-	-	-	-	-	24.11	-	24.68	4.23	-
10	SNEHA - 4002	42.95	50.51	-	58.04	33.05	35.76	13.65	-	56.26	24.17	28.77
11	X 1280 A	96.63	41.78	36.43	30.83	52.97	56.42	6.46	-	62.88	34.05	36.87
12	M C H - 8	49.56	56.16	30.10	-	31.31	-	16.49	-	77.43	18.34	23.46
13	X - 2151	53.47	55.88	26.76	16.92	36.92	23.34	31.09	-	40.29	19.99	33.19
14	SEEDTEC - 168	23.79	40.67	5.37	17.52	20.83	22.34	18.11	0.77	61.12	25.88	25.82
15	BISCO - 201	62.12	56.47	21.17	1.82	33.66	51.50	-	11.95	62.42	34.67	30.98
16	N E C H - 119	62.16	63.47	25.57	39.40	47.12	52.52	10.68	18.31	78.77	43.17	49.20
17	BIO - 22027	71.60	60.85	23.08	34.65	39.79	65.28	15.48	-	78.60	43.47	35.66
18	FILLER	44.27	58.04	22.69	16.66	34.69	35.44	12.89	-	81.57	32.57	30.79
19	J K M H - 340	8.50	27.69	-	40.54	14.02	16.76	26.60	-	19.45	12.39	10.71
20	A A M H - 511	43.65	50.46	9.45	-	24.06	2.82	6.53	-	50.32	11.79	16.32
21	N M H - 20507	25.40	79.49	16.46	36.31	37.66	65.16	17.54	-	75.77	37.79	30.89
22	STAR - 2011	65.38	53.21	27.52	22.84	44.13	5.02	2.19	-	61.04	15.65	32.72
	CHECKS:											
23	NAVJOT	-	-	-	-	-	-	-	-	-	-	-
24	DECCAN - 107	9.34	17.05	-	54.39	12.70	-	18.36	-	-	-	8.15
25	KH 510	59.62	53.99	3.75	2.03	28.44	36.32	21.08	31.71	53.82	36.62	20.61

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	ARBH
1	W C - 14 - 2 (DBM)	-	41.34	5.17	-	6.61	29.56	3.62	0.95	9.86	10.91	0.98
2	E H - 31079	-	59.55	13.25	-	13.12	-	-	-	-	14.88	-
3	E C - 3122	-	32.70	18.34	-	8.30	-	2.17	-	-	5.52	-
4	B H - 2809	16.69	96.59	69.91	-	47.71	3.32	9.40	0.89	5.00	55.62	14.84
5	H K H - 1187	-	22.89	-	-	-	4.70	2.97	-	2.16	25.92	-
6	H K H - 1203	-	28.29	18.42	9.36	17.70	-	-	9.35	-	34.14	-
7	A H - 017045	-	51.42	6.87	-	9.74	-	0.76	-	-	22.39	-
8	A H - 017051	-	54.45	12.25	-	10.20	-	-	-	-	13.42	9.20
9	Jg - GM - 3	-	24.46	8.27	-	0.15	-	10.11	-	-	-	0.82
10	SNEHA - 4002	3.12	82.55	43.05	-	32.36	-	46.48	-	13.05	31.10	13.02
11	X 1280 A	-	56.21	31.77	25.76	35.88	-	0.48	42.12	4.83	52.87	50.97
12	M C H - 8	3.97	27.95	38.37	13.57	26.81	-	-	10.67	-	24.37	8.30
13	X - 2151	5.10	63.76	29.82	-	27.21	49.19	24.75	41.40	36.78	28.99	22.05
14	SEEDTEC - 168	8.25	80.16	66.96	-	42.27	3.09	31.30	-	10.84	-	24.49
15	BISCO - 201	-	104.29	55.82	-	46.47	20.64	-	2.86	4.19	25.34	18.31
16	N E C H - 119	31.12	102.80	63.40	11.91	55.05	55.97	44.53	20.20	39.86	54.03	23.23
17	BIO - 22027	-	69.57	44.43	2.34	35.79	49.31	7.76	3.57	17.78	17.03	25.26
18	FILLER	11.93	61.77	47.93	-	31.17	7.40	11.21	6.39	8.62	32.33	14.68
19	J K M H - 340	1.43	51.89	13.18	-	6.58	-	-	3.01	-	5.70	0.36
20	A A M H - 511	-	56.39	25.35	-	21.72	23.43	-	-	-	21.74	2.94
21	N M H - 20507	-	58.09	36.89	-	25.91	-	17.65	10.85	9.93	22.65	23.67
22	STAR - 2011	5.47	59.47	37.99	-	19.87	87.62	7.80	4.26	28.49	47.52	31.80
	CHECKS:											
23	NAVJOT	-	24.97	11.58	-	5.01	-	9.31	-	-	7.72	-
24	DECCAN - 107	-	-	-	-	-	-	-	-	-	-	-
25	KH 510	-	22.78	22.07	5.20	16.21	-	-	7.77	-	18.89	19.96

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	14.91	-	6.09	-	-	11.08	-	1.78	-	3.02	0.47
2	E H - 31079	37.51	6.29	20.12	-	6.41	18.34	-	5.30	7.32	7.99	3.29
3	E C - 3122	8.14	-	-	-	-	9.28	10.62	12.51	22.53	13.40	-
4	B H - 2809	7.46	12.85	18.08	-	15.18	73.98	-	3.41	50.47	34.09	21.73
5	H K H - 1187	-	-	19.69	-	-	-	-	-	13.54	-	-
6	H K H - 1203	28.39	-	14.43	-	1.83	-	-	0.39	25.27	4.37	0.87
7	A H - 017045	7.96	-	12.18	-	1.18	-	-	12.85	33.33	7.21	-
8	A H - 017051	8.31	-	20.06	-	-	8.84	-	4.78	13.28	4.23	-
9	Jg - GM - 3	-	-	-	-	-	-	4.86	-	26.60	4.24	-
10	SNEHA - 4002	30.74	28.59	4.16	2.36	18.06	43.18	-	-	58.66	24.18	19.07
11	X 1280 A	79.84	21.13	42.31	-	35.73	64.97	-	-	65.39	34.06	26.56
12	M C H - 8	36.78	33.41	35.71	-	16.52	-	-	4.81	80.16	18.35	14.16
13	X - 2151	40.37	33.18	32.22	-	21.50	30.08	10.76	-	42.45	20.00	23.15
14	SEEDTEC - 168	13.22	20.18	9.91	-	7.22	29.03	-	6.65	63.60	25.89	16.35
15	BISCO - 201	48.27	33.68	26.39	-	18.60	59.78	-	18.47	64.91	34.68	21.11
16	N E C H - 119	48.31	39.66	30.98	-	30.54	60.86	-	25.21	81.51	43.18	37.96
17	BIO - 22027	56.95	37.42	28.38	-	24.04	74.32	-	2.41	81.35	43.48	25.45
18	FILLER	31.95	35.02	27.98	-	19.51	42.84	-	-	84.37	32.59	20.94
19	J K M H - 340	-	9.09	-	-	1.17	23.14	6.96	-	21.29	12.40	2.37
20	A A M H - 511	31.38	28.54	14.16	-	10.08	8.44	-	-	52.63	11.80	7.56
21	N M H - 20507	14.69	53.34	21.48	-	22.15	74.19	-	-	78.47	37.80	21.03
22	STAR - 2011	51.25	30.89	33.02	-	27.89	10.76	-	0.74	63.52	15.66	22.72
	CHECKS:											
23	NAVJOT	-	-	4.31	-	-	5.47	-	5.83	1.54	0.01	-
24	DECCAN - 107	-	-	-	-	-	-	-	-	-	-	-
25	KH 510	45.98	31.56	8.22	-	13.97	43.77	2.30	39.39	56.19	36.63	11.53

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	ARBH
1	W C - 14 - 2 (DBM)	0.74	15.12	-	-	-	97.82	12.31	-	22.18	-	-
2	E H - 31079	2.67	29.95	-	-	-	16.91	1.86	-	-	-	-
3	E C - 3122	-	8.08	-	-	-	9.43	10.73	-	2.15	-	-
4	B H - 2809	34.23	60.11	39.18	-	27.11	57.76	18.57	-	16.78	30.89	-
5	H K H - 1187	-	0.09	-	-	-	59.87	11.60	-	13.62	5.91	-
6	H K H - 1203	-	4.49	-	3.95	1.29	51.13	-	1.47	3.05	12.83	-
7	A H - 017045	-	23.32	-	-	-	-	9.21	-	-	2.94	-
8	A H - 017051	1.99	25.79	-	-	-	12.92	-	-	-	-	-
9	Jg - GM - 3	-	1.37	-	-	-	41.74	19.34	-	4.97	-	-
10	SNEHA - 4002	18.61	48.68	17.18	-	13.90	27.92	58.76	-	25.73	10.27	-
11	X 1280 A	7.82	27.22	7.95	19.54	16.93	3.15	8.91	31.88	16.59	28.58	25.85
12	M C H - 8	19.59	4.21	13.35	7.95	9.12	39.71	-	2.69	8.63	4.61	-
13	X - 2151	20.89	33.37	6.34	-	9.47	127.79	35.21	31.21	52.12	8.49	1.75
14	SEEDTEC - 168	24.52	46.73	36.77	-	22.43	57.40	42.31	-	23.27	-	3.78
15	BISCO - 201	10.99	66.38	27.65	-	26.04	84.19	2.06	-	15.88	5.42	-
16	N E C H - 119	50.82	65.17	33.86	6.38	33.42	138.14	56.65	11.54	55.54	29.55	2.72
17	BIO - 22027	11.15	38.11	18.31	-	16.85	127.97	16.80	-	30.99	-	4.42
18	FILLER	28.75	31.76	21.18	-	12.88	63.98	20.54	-	20.80	11.30	-
19	J K M H - 340	16.67	23.71	-	-	-	10.57	5.31	-	2.62	-	-
20	A A M H - 511	-	27.38	2.68	-	4.74	88.46	0.08	-	10.32	2.40	-
21	N M H - 20507	12.85	28.76	12.14	-	8.35	48.70	27.52	2.86	22.26	3.16	3.09
22	STAR - 2011	21.32	29.88	13.03	-	3.15	186.46	16.84	-	42.90	24.08	9.87
	CHECKS:											
23	NAVJOT	-	1.79	-	-	-	17.64	18.48	-	4.88	-	-
24	DECCAN - 107	15.03	-	-	-	-	52.69	8.38	-	11.21	-	-
25	KH 510	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	-	-	-	-	-	-	-	-	-	-	-
2	E H - 31079	-	-	11.00	11.38	-	-	-	-	-	-	-
3	E C - 3122	-	-	-	12.24	-	-	8.13	-	-	-	-
4	B H - 2809	-	-	9.11	20.33	1.06	21.01	-	-	-	-	9.15
5	H K H - 1187	-	-	10.60	-	-	-	-	-	-	-	-
6	H K H - 1203	-	-	5.73	-	-	-	-	-	-	-	-
7	A H - 017045	-	-	3.66	18.89	-	-	-	-	-	-	-
8	A H - 017051	-	-	10.94	-	-	-	-	-	-	-	-
9	Jg - GM - 3	-	-	-	-	-	-	2.50	-	-	-	-
10	SNEHA - 4002	-	-	-	54.89	3.59	-	-	-	1.59	-	6.76
11	X 1280 A	23.19	-	31.50	28.22	19.09	14.74	-	-	5.89	-	13.48
12	M C H - 8	-	1.41	25.40	-	2.23	-	-	-	15.35	-	2.36
13	X - 2151	-	1.23	22.18	14.59	6.60	-	8.27	-	-	-	10.43
14	SEEDTEC - 168	-	-	1.56	15.17	-	-	-	-	4.74	-	4.32
15	BISCO - 201	1.57	1.61	16.79	-	4.06	11.14	-	-	5.59	-	8.59
16	N E C H - 119	1.59	6.15	21.03	36.62	14.54	11.89	-	-	16.22	4.79	23.70
17	BIO - 22027	7.51	4.46	18.63	31.96	8.83	21.25	-	-	16.11	5.01	12.48
18	FILLER	-	2.63	18.26	14.33	4.86	-	-	-	18.04	-	8.44
19	J K M H - 340	-	-	-	37.74	-	-	4.56	-	-	-	-
20	A A M H - 511	-	-	5.49	-	-	-	-	-	-	-	-
21	N M H - 20507	-	16.56	12.25	33.59	7.17	21.15	-	-	14.27	0.85	8.53
22	STAR - 2011	3.61	-	22.92	20.39	12.21	-	-	-	4.69	-	10.04
	CHECKS:											
23	NAVJOT	-	-	-	-	-	-	-	-	-	-	-
24	DECCAN - 107	-	-	-	51.31	-	-	-	-	-	-	-
25	KH 510	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	ARBH
1	W C - 14 - 2 (DBM)	73.0	51.3	53.8	50.7	51.9	50.0	57.0	53.3	53.4	55.0	61.3
2	E H - 31079	60.3	49.3	49.0	46.3	48.2	49.3	55.8	49.5	51.5	53.8	55.3
3	E C - 3122	57.7	46.3	47.5	45.7	46.5	47.7	54.3	49.3	50.4	53.0	54.5
4	B H - 2809	62.7	48.0	50.0	49.3	49.1	53.0	56.5	50.3	53.3	52.8	56.5
5	H K H - 1187	59.0	46.3	47.3	46.3	46.6	46.7	56.0	49.0	50.6	54.3	57.5
6	H K H - 1203	59.3	49.7	48.3	49.3	49.1	49.0	55.3	50.3	51.5	53.3	58.3
7	A H - 017045	57.7	48.7	47.8	48.3	48.3	59.0	56.5	48.3	54.6	52.8	56.5
8	A H - 017051	62.3	47.0	47.3	48.0	47.4	50.0	55.5	49.8	51.8	53.0	56.3
9	Jg - GM - 3	60.7	47.3	48.5	45.7	47.2	53.7	56.0	49.5	53.1	53.3	57.0
10	SNEHA - 4002	69.3	55.5	53.8	52.0	53.8	59.3	55.8	53.5	56.2	54.8	64.8
11	X 1280 A	63.0	50.0	50.3	51.3	50.5	51.7	57.0	52.3	53.6	53.5	59.8
12	M C H - 8	66.7	52.3	51.0	50.0	51.1	52.7	55.8	51.8	53.4	53.3	59.0
13	X - 2151	66.3	47.7	52.8	49.7	50.0	53.7	57.5	51.3	54.1	53.3	58.8
14	SEEDTEC - 168	62.7	52.3	50.8	47.3	50.1	50.7	55.0	51.3	52.3	53.5	57.8
15	BISCO - 201	65.0	50.7	49.0	48.7	49.4	49.7	56.8	53.3	53.2	53.0	60.0
16	N E C H - 119	62.7	49.7	52.3	49.3	50.4	51.0	56.0	52.8	53.3	53.8	58.3
17	BIO - 22027	66.7	48.7	51.3	49.0	49.6	49.3	55.3	51.8	52.1	53.5	58.5
18	FILLER	59.0	49.7	50.8	48.7	49.7	51.7	57.0	51.8	53.5	53.8	58.0
19	J K M H - 340	67.3	50.3	50.5	49.7	50.2	50.3	55.8	52.0	52.7	53.0	57.3
20	A A M H - 511	64.7	53.3	52.3	49.7	51.8	52.3	55.8	53.5	53.9	53.0	60.0
21	N M H - 20507	62.0	50.3	49.8	49.7	49.9	55.0	55.3	50.8	53.7	53.5	58.5
22	STAR - 2011	67.7	48.7	52.3	51.0	50.6	49.3	56.8	53.5	53.2	53.3	59.8
	CHECKS:											
23	NAVJOT	59.0	47.3	47.5	47.0	47.3	46.3	55.0	49.3	50.2	53.5	56.0
24	DECCAN - 107	65.3	47.7	49.5	51.0	49.4	54.0	56.5	52.0	54.2	54.3	60.0
25	KH 510	63.0	51.0	49.0	49.0	49.7	55.0	57.0	50.0	54.0	53.0	57.5
	MEAN LOCATION	63.3	49.6	50.1	48.9	49.5	51.6	56.0	51.2	52.9	53.5	58.3
	C.D. AT 5%=	3.5	3.9	1.9	1.4	2.4	1.3	2.1	1.5	1.7	1.5	1.5
	C.V. % =	3.4	4.8	2.8	1.8	-	1.5	2.7	2.1	-	2.0	1.9
	F (Prob)	.000	.002	.000	.000	-	.000	.347	.000	-	.304	.000

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	58.3	56.0	58.3	52.0	56.8	56.0	45.0	53.0	55.0	52.3	55.2
2	E H - 31079	58.5	50.0	55.5	52.5	54.3	52.5	45.8	50.0	50.0	49.6	52.0
3	E C - 3122	57.3	48.7	53.0	54.5	53.5	52.5	45.5	55.0	46.7	49.9	51.1
4	B H - 2809	56.8	52.7	56.8	48.0	53.9	53.0	45.3	55.8	48.0	50.5	52.7
5	H K H - 1187	56.8	50.7	54.3	53.0	54.4	52.3	43.3	51.0	48.0	48.6	51.3
6	H K H - 1203	56.0	52.3	54.0	53.5	54.6	53.0	42.8	51.0	51.7	49.6	52.2
7	A H - 017045	57.0	50.0	54.3	50.5	53.5	52.8	42.8	55.0	50.7	50.3	52.3
8	A H - 017051	57.0	51.0	56.0	50.5	54.0	52.3	42.0	56.8	49.7	50.2	52.0
9	Jg - GM - 3	56.8	52.3	55.3	51.0	54.3	54.0	43.5	50.3	50.3	49.5	52.1
10	SNEHA - 4002	58.8	55.0	59.5	50.5	57.2	57.5	45.3	55.5	56.3	53.6	56.3
11	X 1280 A	57.8	53.7	57.0	50.5	55.4	53.8	47.3	49.0	52.3	50.6	53.5
12	M C H - 8	58.0	56.0	56.0	55.5	56.3	53.5	42.3	49.5	52.7	49.5	53.9
13	X - 2151	57.3	53.0	56.3	51.5	55.0	53.3	45.3	50.5	50.7	49.9	53.4
14	SEEDTEC - 168	57.5	52.3	56.8	50.5	54.7	53.5	44.8	55.8	50.3	51.1	53.1
15	BISCO - 201	57.3	53.7	55.5	55.5	55.8	53.0	44.8	57.3	50.3	51.3	53.7
16	N E C H - 119	58.5	54.0	57.5	52.5	55.8	52.0	45.5	49.5	51.3	49.6	53.3
17	BIO - 22027	57.5	53.3	57.0	52.5	55.4	53.8	44.8	53.3	50.3	50.5	53.3
18	FILLER	57.5	52.3	56.0	48.5	54.3	52.8	46.8	51.8	47.7	49.7	52.6
19	J K M H - 340	57.5	54.0	56.0	53.0	55.1	53.0	42.8	54.3	52.7	50.7	53.5
20	A A M H - 511	58.0	55.3	58.5	51.5	56.1	54.8	43.5	53.0	52.3	50.9	54.2
21	N M H - 20507	57.5	53.3	55.0	51.0	54.8	54.0	44.3	54.3	49.7	50.5	53.2
22	STAR - 2011	58.0	54.0	58.0	51.0	55.7	56.5	46.0	52.8	52.0	51.8	54.1
	CHECKS:											
23	NAVJOT	57.5	50.3	53.8	51.5	53.8	53.0	44.8	54.3	50.0	50.5	51.5
24	DECCAN - 107	58.0	53.3	58.8	50.0	55.7	53.5	45.0	55.8	52.0	51.6	53.9
25	KH 510	57.5	52.3	54.0	49.5	54.0	52.0	43.3	53.0	48.7	49.2	52.6
	MEAN LOCATION	57.5	52.8	56.1	51.6	55.0	53.5	44.5	53.1	50.8	50.5	53.1
	C.D. AT 5%=	1.0	1.9	1.5	5.4	2.1	1.5	1.6	2.5	2.9	2.1	-
	C.V. % =	1.3	2.1	1.9	5.1	-	2.0	2.6	3.3	3.5	-	-
	F (Prob)	.000	.000	.000	.458	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	ARBH
1	W C - 14 - 2 (DBM)	75.7	57.0	57.8	53.0	55.9	53.0	59.3	58.5	56.9	58.3	64.0
2	E H - 31079	62.7	52.0	51.8	48.3	50.7	53.0	57.8	53.8	54.8	55.3	56.3
3	E C - 3122	60.3	50.3	50.3	48.0	49.5	52.3	56.5	54.3	54.4	55.5	55.8
4	B H - 2809	65.0	51.7	52.8	51.7	52.0	57.0	58.5	55.3	56.9	54.8	57.8
5	H K H - 1187	61.7	52.3	49.8	48.7	50.3	51.7	58.3	53.5	54.5	56.8	58.3
6	H K H - 1203	62.3	52.7	50.5	51.3	51.5	53.0	57.3	55.0	55.1	55.8	58.8
7	A H - 017045	60.7	52.7	50.5	50.3	51.2	64.0	58.8	52.5	58.4	55.3	56.8
8	A H - 017051	64.7	51.0	50.5	49.7	50.4	54.0	57.5	54.0	55.2	55.8	57.3
9	Jg - GM - 3	63.3	51.3	51.8	48.3	50.5	59.3	58.0	54.8	57.4	54.5	58.5
10	SNEHA - 4002	72.0	59.5	57.3	54.3	57.0	65.0	58.3	58.3	60.5	57.8	64.8
11	X 1280	65.3	53.0	53.0	53.7	53.2	58.7	58.5	56.8	58.0	55.5	60.8
12	M C H - 8	69.3	54.3	53.0	52.0	53.1	57.3	58.0	57.3	57.5	55.5	59.0
13	X - 2151	68.3	52.7	55.8	52.3	53.6	57.7	59.8	56.3	57.9	56.0	59.0
14	SEEDTEC - 168	65.0	56.7	53.0	49.3	53.0	55.3	57.0	56.5	56.3	56.3	58.0
15	BISCO - 201	67.3	55.0	52.8	50.7	52.8	56.0	58.8	57.5	57.4	55.3	59.8
16	N E C H - 119	65.3	55.3	55.3	51.7	54.1	56.7	58.0	57.3	57.3	55.8	59.5
17	BIO - 22027	69.0	52.7	52.8	51.0	52.1	53.3	57.5	56.5	55.8	56.3	59.3
18	FILLER	62.0	54.3	52.8	50.7	52.6	56.7	59.0	56.8	57.5	55.5	58.0
19	J K M H - 340	69.3	54.0	53.0	51.7	52.9	53.3	57.8	58.0	56.4	55.3	58.5
20	A A M H - 511	67.3	57.7	55.3	52.3	55.1	59.0	57.8	58.5	58.4	56.5	62.5
21	N M H - 20507	64.3	54.7	52.8	52.3	53.3	59.3	57.3	55.5	57.4	56.5	59.8
22	STAR - 2011	70.0	52.7	55.5	53.3	53.8	53.3	58.8	57.5	56.5	55.0	61.3
	CHECKS:											
23	NAVJOT	61.3	52.3	49.3	49.0	50.2	51.7	57.0	54.5	54.4	55.0	58.8
24	DECCAN - 107	67.7	52.0	53.0	53.0	52.7	58.7	58.5	56.3	57.8	56.8	62.5
25	KH 510	65.0	55.0	51.8	51.3	52.7	60.7	59.0	53.8	57.8	55.3	58.0
	MEAN LOCATION	65.8	53.7	52.9	51.1	52.6	56.4	58.1	55.9	56.8	55.8	59.3
	C.D. AT 5%=	3.4	4.0	2.3	1.4	2.6	1.0	2.0	1.8	1.6	1.4	1.9
	C.V. % =	3.1	4.6	3.1	1.7	-	1.1	2.5	2.3	-	1.8	2.2
	F (Prob)	.000	.003	.000	.000	-	.000	.271	.000	-	.000	.000

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	59.8	59.0	61.0	53.5	59.3	58.5	49.0	56.3	57.0	55.2	58.3
2	E H - 31079	59.5	52.7	58.3	54.0	56.0	54.8	50.0	56.5	51.5	53.2	54.6
3	E C - 3122	58.5	50.7	55.3	55.0	55.1	55.0	49.5	60.0	47.3	53.0	53.8
4	B H - 2809	57.8	55.7	58.8	50.5	55.9	55.0	49.5	60.0	49.7	53.5	55.4
5	H K H - 1187	57.8	52.7	57.5	54.0	56.2	55.5	47.0	56.3	49.3	52.0	54.2
6	H K H - 1203	57.0	55.0	57.5	55.5	56.6	55.3	46.5	56.3	51.0	52.3	54.7
7	A H - 017045	58.0	52.0	57.0	52.0	55.2	55.3	47.3	59.5	51.7	53.4	54.9
8	A H - 017051	58.0	54.0	58.5	51.5	55.8	55.0	46.0	59.8	50.7	52.9	54.6
9	Jg - GM - 3	57.8	54.3	57.5	52.5	55.8	56.0	47.0	53.8	51.0	51.9	54.7
10	SNEHA - 4002	60.0	58.3	62.5	53.0	59.4	59.5	49.0	59.5	56.3	56.1	59.1
11	X 1280 A	58.8	55.7	59.3	52.0	57.0	55.8	51.5	54.0	51.7	53.2	56.1
12	M C H - 8	59.3	58.0	58.5	57.0	57.9	55.3	45.8	53.8	52.7	51.9	56.2
13	X - 2151	58.3	56.3	58.5	52.5	56.8	56.0	48.8	56.0	52.0	53.2	56.2
14	SEEDTEC - 168	58.5	54.3	59.5	52.0	56.4	55.5	48.8	60.0	50.7	53.7	55.7
15	BISCO - 201	58.3	55.7	58.5	56.5	57.3	55.3	49.0	61.0	50.3	53.9	56.3
16	N E C H - 119	59.5	58.0	59.8	54.0	57.8	55.3	49.5	56.0	51.3	53.0	56.4
17	BIO - 22027	58.5	56.7	59.8	55.0	57.6	55.8	48.5	59.0	51.3	53.6	56.0
18	FILLER	58.8	54.7	58.3	50.5	55.9	54.5	50.8	56.3	49.0	52.6	55.2
19	J K M H - 340	58.5	55.7	59.0	54.0	56.8	55.3	46.5	59.3	54.0	53.8	56.1
20	A A M H - 511	59.5	57.3	61.8	53.0	58.4	57.3	47.0	57.3	53.0	53.6	57.2
21	N M H - 20507	58.8	55.3	59.0	52.5	57.0	56.0	48.3	58.0	51.7	53.5	56.0
22	STAR - 2011	59.5	56.7	60.8	53.0	57.7	59.0	50.0	57.3	54.3	55.1	56.9
	CHECKS:											
23	NAVJOT	58.5	52.0	56.8	53.5	55.8	55.5	48.8	59.0	51.3	53.6	54.4
24	DECCAN - 107	59.3	56.7	61.5	51.5	58.0	56.5	49.0	59.5	54.0	54.8	56.8
25	KH 510	58.8	54.3	56.5	51.0	55.6	55.0	47.3	57.0	50.0	52.3	55.3
	MEAN LOCATION	58.7	55.3	58.8	53.2	56.8	55.9	48.4	57.6	51.7	53.4	55.8
	C.D. AT 5%=	1.1	2.5	1.2	5.3	2.2	1.4	1.6	2.2	2.3	1.9	-
	C.V. % =	1.4	2.8	1.4	4.8	-	1.7	2.4	2.7	2.7	-	-
	F (Prob)	.000	.000	.000	.605	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 1 BAJA	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN
1	W C - 14 - 2 (DBM)	116.0	90.7	90.3	102.3	94.4	96.3	111.3	103.7	104.8	83.5	99.9
2	E H - 31079	113.7	88.7	87.8	102.5	93.0	93.5	111.3	97.7	99.3	84.0	97.1
3	E C - 3122	104.3	92.0	88.5	100.8	93.8	93.8	108.0	97.3	97.5	85.0	96.3
4	B H - 2809	107.3	91.0	87.8	103.3	94.0	93.3	108.3	97.3	101.0	80.5	96.1
5	H K H - 1187	111.3	86.7	89.5	100.3	92.1	95.3	107.8	100.3	100.0	84.0	97.5
6	H K H - 1203	115.0	91.7	89.0	102.3	94.3	95.8	106.5	100.7	100.3	85.5	97.7
7	A H - 017045	107.3	92.7	88.5	101.0	94.1	94.5	108.3	99.0	98.3	82.0	96.4
8	A H - 017051	116.0	91.3	89.8	102.0	94.4	95.0	107.8	101.0	102.8	81.5	97.6
9	Jg - GM - 3	114.7	93.3	88.5	102.3	94.7	94.0	108.0	98.0	98.3	82.5	96.2
10	SNEHA - 4002	116.7	96.0	91.8	101.8	96.5	95.3	111.3	103.0	104.5	83.0	99.4
11	X 1280 A	107.7	92.7	89.0	101.8	94.5	94.0	110.3	99.3	102.0	82.0	97.5
12	M C H - 8	118.3	93.3	90.3	102.5	95.4	95.3	111.0	103.3	99.0	87.0	99.1
13	X - 2151	114.3	91.3	90.0	102.0	94.4	95.3	108.8	100.0	101.8	82.5	97.7
14	SEEDTEC - 168	113.7	91.7	88.5	102.0	94.1	94.5	109.5	98.7	102.0	82.0	97.3
15	BISCO - 201	115.0	91.7	90.0	100.3	94.0	94.5	109.0	104.3	101.5	86.5	99.2
16	N E C H - 119	111.7	92.7	89.8	103.0	95.1	95.3	111.0	99.7	102.3	84.0	98.4
17	BIO - 22027	116.3	91.7	90.0	103.8	95.1	95.0	110.3	99.7	100.8	85.0	98.1
18	FILLER	110.3	91.0	89.3	102.5	94.3	94.8	109.0	99.3	98.3	80.5	96.4
19	J K M H - 340	115.3	91.0	89.0	104.8	94.9	92.5	110.0	98.7	101.5	84.0	97.3
20	A A M H - 511	114.3	93.0	90.5	102.8	95.4	94.5	110.5	100.0	104.8	83.0	98.6
21	N M H - 20507	117.7	95.0	89.5	104.3	96.3	94.5	110.0	100.7	102.0	82.5	97.9
22	STAR - 2011	116.7	93.0	89.8	102.5	95.1	93.8	110.8	103.0	104.0	83.0	98.9
	CHECKS:											
23	NAVJOT	107.0	90.0	88.0	102.5	93.5	94.8	109.3	97.7	99.0	83.5	96.8
24	DECCAN - 107	114.0	93.3	89.0	104.0	95.4	94.8	110.8	102.0	104.5	81.5	98.7
25	KH 510	108.0	94.7	88.8	328.5	170.6	94.3	109.3	97.3	97.3	81.0	95.8
	MEAN LOCATION	112.9	92.0	89.3	111.4	97.6	94.6	109.5	100.1	101.1	83.2	97.7
	C.D. AT 5%=	3.5	1.2	1.4	127.2	43.3	1.8	1.9	2.8	2.5	5.3	2.9
	C.V. % =	1.9	0.8	1.1	81.0	-	1.4	1.3	1.7	1.8	3.1	-
	F (Prob)	.000	.000	.000	.471	-	.065	.000	.000	.000	.605	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK						MOISTURE % AT HARVEST				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	ZN 1 BAJA	DELH	LUDH	KARN	ZN 2 MEAN
1	W C - 14 - 2 (DBM)	84.8	81.3	78.0	92.0	84.0	95.0	31.4	33.7	25.6	14.0	24.4
2	E H - 31079	85.0	81.0	78.0	89.0	83.3	93.2	31.3	28.0	24.4	13.5	22.0
3	E C - 3122	85.0	81.3	81.8	89.0	84.3	92.6	28.3	27.1	23.5	13.0	21.2
4	B H - 2809	85.3	79.3	83.5	87.5	83.9	92.7	29.3	31.1	27.0	13.6	23.9
5	H K H - 1187	78.0	77.3	78.5	88.0	80.4	92.1	33.0	32.4	22.5	13.7	22.9
6	H K H - 1203	85.3	81.8	78.3	91.0	84.1	94.1	30.4	26.1	22.8	13.7	20.9
7	A H - 017045	84.5	77.3	81.5	89.5	83.2	92.6	29.1	27.4	25.8	14.3	22.5
8	A H - 017051	84.5	78.0	82.0	92.0	84.1	94.1	28.2	23.8	25.8	14.4	21.3
9	Jg - GM - 3	81.3	77.0	78.8	88.5	81.4	92.7	31.4	26.3	23.3	13.3	21.0
10	SNEHA - 4002	86.5	81.0	81.5	92.0	85.3	95.7	34.8	34.1	26.5	14.6	25.1
11	X 1280 A	86.0	82.0	82.0	90.0	85.0	93.7	31.0	26.3	23.7	14.9	21.7
12	M C H - 8	80.5	77.5	77.8	92.0	81.9	94.4	30.9	26.6	24.1	14.9	21.9
13	X - 2151	85.3	76.8	79.5	89.0	82.6	93.6	31.9	29.3	28.5	14.4	24.1
14	SEEDTEC - 168	85.3	80.8	80.5	91.0	84.4	93.8	32.7	27.9	22.9	13.9	21.6
15	BISCO - 201	85.5	82.5	81.8	91.0	85.2	94.9	32.8	33.5	25.1	13.8	24.1
16	N E C H - 119	86.5	81.5	82.0	90.5	85.1	94.6	31.3	27.9	27.8	14.9	23.5
17	BIO - 22027	85.0	79.3	80.5	89.5	83.6	94.4	32.4	28.0	24.0	14.7	22.2
18	FILLER	83.8	82.0	80.3	88.5	83.6	93.0	32.2	28.4	23.5	14.0	22.0
19	J K M H - 340	85.8	76.0	81.0	91.0	83.4	93.9	29.4	30.9	27.7	14.0	24.2
20	A A M H - 511	85.3	77.3	81.5	91.5	83.9	94.5	32.6	28.4	27.5	14.4	23.4
21	N M H - 20507	85.3	81.3	80.5	91.0	84.5	94.9	34.3	32.2	26.3	14.7	24.4
22	STAR - 2011	85.3	82.0	79.0	94.0	85.1	95.1	32.4	30.3	25.6	15.1	23.7
	CHECKS:											
23	NAVJOT	84.8	79.0	81.0	89.5	83.6	92.8	29.4	23.8	24.0	14.0	20.6
24	DECCAN - 107	85.5	80.5	82.0	90.0	84.5	94.8	30.5	23.9	24.3	15.2	21.1
25	KH 510	85.5	76.8	81.0	89.0	83.1	110.1	32.2	26.8	22.9	15.0	21.5
	MEAN LOCATION	84.6	79.6	80.5	90.2	83.7	94.5	31.3	28.6	25.0	14.2	22.6
	C.D. AT 5%=	1.7	2.0	1.4	1.7	1.7	-	1.7	4.1	0.9	0.4	1.8
	C.V. % =	1.4	1.7	1.3	1.1	-	-	3.3	8.6	2.7	1.7	-
	F (Prob)	.000	.000	.000	.000	-	-	.000	.000	.000	.000	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ZN 3 VARA	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2(DBM)	34.4	23.7	25.4	20.7	15.9	21.4	18.1	15.9	14.9	20.8	17.4	22.7
2	E H - 31079	36.8	20.1	27.2	20.2	16.8	21.1	18.9	16.4	14.6	18.0	17.0	22.0
3	E C - 3122	35.1	22.5	19.9	20.2	15.4	19.5	17.1	16.6	14.7	18.7	16.8	20.9
4	B H - 2809	38.7	19.8	23.1	19.6	16.4	19.7	16.6	16.9	14.1	18.4	16.5	21.9
5	H K H - 1187	34.7	17.2	20.5	19.7	15.9	18.3	16.8	16.9	15.0	19.7	17.1	21.4
6	H K H - 1203	34.9	23.4	22.8	21.2	16.4	20.9	18.0	16.6	14.9	18.3	17.0	21.5
7	A H - 017045	37.5	26.9	21.9	21.0	16.1	21.5	17.2	16.2	14.9	18.7	16.8	22.1
8	A H - 017051	37.9	22.7	23.1	19.3	16.3	20.3	16.6	16.4	14.5	19.3	16.7	21.4
9	Jg - GM - 3	32.2	20.1	20.0	20.6	15.9	19.1	15.6	16.9	14.6	19.4	16.6	20.7
10	SNEHA - 4002	34.8	29.8	26.4	19.9	16.0	23.0	16.4	16.4	14.8	20.4	17.0	23.5
11	X 1280 A	39.3	25.1	24.4	20.8	16.4	21.7	16.2	17.0	14.3	20.3	17.0	22.3
12	M C H - 8	39.0	20.9	22.3	21.3	16.1	20.2	15.6	16.7	14.8	19.5	16.6	21.7
13	X - 2151	32.4	18.5	24.1	20.2	16.5	19.8	18.0	16.1	14.6	20.0	17.1	21.9
14	SEEDTEC - 168	35.7	24.0	23.2	20.9	16.0	21.0	15.8	17.3	14.6	19.8	16.9	21.9
15	BISCO - 201	33.0	23.3	25.5	21.3	16.6	21.7	17.6	16.7	14.6	19.8	17.2	22.6
16	N E C H - 119	34.0	22.5	23.7	20.8	16.1	20.8	18.0	15.9	14.5	19.0	16.8	22.0
17	BIO - 22027	38.0	16.5	23.6	20.6	15.9	19.2	16.1	16.5	14.3	19.3	16.5	21.5
18	FILLER	33.7	23.3	23.0	20.5	16.3	20.8	15.6	16.2	14.8	17.6	16.0	21.5
19	J K M H - 340	32.9	23.3	23.2	20.1	16.3	20.7	18.1	16.4	14.8	20.3	17.4	22.1
20	A A M H - 511	35.8	26.8	25.3	20.1	16.2	22.1	17.5	16.5	14.6	19.9	17.1	22.7
21	N M H - 20507	33.9	23.3	25.4	20.3	16.0	21.3	18.4	17.2	14.6	19.3	17.4	22.8
22	STAR - 2011	32.9	22.8	28.0	20.3	15.8	21.7	15.9	16.8	14.3	20.5	16.9	22.4
	CHECKS:												
23	NAVJOT	36.0	18.6	21.4	20.9	16.0	19.2	16.8	17.1	14.6	19.0	16.8	20.9
24	DECCAN - 107	35.7	20.2	23.9	20.0	16.2	20.1	18.0	17.3	14.6	19.2	17.3	21.4
25	KH 510	38.9	26.5	22.9	20.6	16.0	21.5	18.4	16.6	14.6	19.5	17.3	22.4
	MEAN LOCATION	35.5	22.5	23.6	20.4	16.1	20.7	17.1	16.6	14.6	19.4	16.9	21.9
	C.D. AT 5%=	2.3	2.0	2.7	1.5	0.9	1.8	0.1	0.7	0.6	0.8	0.6	-
	C.V. % =	3.9	6.4	8.1	4.6	4.1	-	0.6	3.1	3.1	2.4	-	-
	F (Prob)	.000	.000	.000	.474	.788	-	.000	.004	.523	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ZN 1 BAJA	ZN 2 DELH	ZN 3 DHOL	KARI	ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	3.0	2.3	2.9	2.8	3.0	1.7	2.0	2.4	2.1	2.5	3.0	1.3	2.2	2.4
2	E H - 31079	2.5	2.5	3.5	2.8	2.5	2.3	3.0	2.6	2.3	2.8	2.9	1.3	2.3	2.6
3	E C - 3122	2.7	2.5	3.5	2.5	3.0	3.0	1.8	2.6	2.5	2.5	2.6	1.5	2.3	2.6
4	B H - 2809	2.2	2.0	2.9	2.0	2.3	2.7	2.0	2.2	1.5	2.6	2.3	1.8	2.0	2.2
5	H K H - 1187	3.2	2.2	3.1	2.5	3.0	2.7	2.5	2.7	3.5	2.0	2.8	1.5	2.4	2.6
6	H K H - 1203	2.3	2.3	3.0	1.8	2.8	3.0	2.0	2.4	2.4	2.9	2.5	1.3	2.3	2.4
7	A H - 017045	2.7	2.3	3.3	2.3	3.0	2.7	2.0	2.5	2.2	2.9	2.5	1.3	2.2	2.5
8	A H - 017051	2.3	2.3	3.6	2.0	2.8	2.7	1.5	2.2	2.3	2.0	2.5	2.0	2.2	2.4
9	Jg - GM - 3	2.2	2.5	3.4	2.3	2.5	2.7	2.8	2.5	2.6	2.6	2.6	1.8	2.4	2.5
10	SNEHA - 4002	1.8	2.0	2.0	2.3	2.3	2.0	2.0	2.1	1.7	2.3	2.0	1.5	1.9	2.0
11	X 1280 A	2.5	2.2	2.5	2.0	2.0	2.0	2.0	2.0	1.6	2.5	2.4	1.0	1.9	2.1
12	M C H - 8	2.3	2.2	2.3	2.3	2.3	1.0	3.0	2.1	2.3	1.8	2.0	2.0	2.0	2.1
13	X - 2151	2.2	2.3	2.6	2.3	2.3	2.0	2.0	2.1	2.0	3.0	2.3	1.8	2.2	2.2
14	SEEDTEC - 168	1.8	2.3	3.0	2.3	2.3	2.0	1.3	1.9	2.1	3.0	2.4	1.3	2.2	2.1
15	BISCO - 201	2.3	2.2	3.3	2.0	2.3	1.3	1.3	1.7	1.6	2.3	2.6	1.3	1.9	2.0
16	N E C H - 119	2.2	2.2	2.0	2.0	2.3	2.0	2.0	2.1	1.7	2.5	2.5	1.0	1.9	2.0
17	BIO - 22027	2.0	2.3	2.6	2.5	2.3	2.0	2.8	2.4	1.8	2.8	2.0	1.3	1.9	2.2
18	FILLER	2.3	2.3	2.8	2.3	2.5	1.7	1.8	2.0	1.9	3.0	2.4	1.5	2.2	2.2
19	J K M H - 340	2.5	2.2	2.9	2.5	2.8	2.7	1.3	2.3	2.0	2.8	2.0	1.5	2.1	2.3
20	A A M H - 511	2.3	2.3	2.8	2.5	2.5	1.7	1.8	2.1	1.8	2.3	2.5	1.3	2.0	2.1
21	N M H - 20507	2.2	2.3	2.8	2.5	2.0	1.0	2.0	1.9	1.7	2.5	2.5	1.0	1.9	2.0
22	STAR - 2011	2.2	2.2	2.6	1.8	2.3	1.3	2.0	1.8	2.4	2.5	2.5	1.8	2.3	2.1
	CHECKS:														
23	NAVJOT	2.7	2.7	3.6	2.0	2.8	2.7	2.0	2.4	2.7	3.0	2.5	1.8	2.5	2.6
24	DECCAN - 107	2.5	2.5	3.4	2.3	3.0	2.3	1.5	2.3	2.3	2.3	2.3	1.5	2.1	2.3
25	KH 510	2.2	2.7	3.4	2.8	2.5	1.0	2.0	2.1	1.8	2.6	2.4	1.8	2.1	2.3
	MEAN LOCATION	2.4	2.3	2.9	2.3	2.5	2.1	2.0	2.2	2.1	2.5	2.4	1.5	2.1	2.3
	C.D. AT 5%=	0.5	0.4	0.7	0.6	0.3	0.8	0.5	0.6	0.5	0.4	0.3	0.3	0.4	-
	C.V. % =	13.5	11.8	17.3	20.2	8.2	23.3	17.1	-	15.3	10.1	9.0	12.4	-	-
	F (Prob)	.001	.252	.000	.070	.000	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ZN 1 BAJA	ZN 2 DELH	ZN 3 DHOL	KARI	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14-2(DBM)	2.7	2.3	2.8	1.8	3.0	1.8	2.7	1.5	2.1	1.9	2.4	3.3	2.0	2.4	2.3
2	E H - 31079	2.7	2.3	2.9	1.8	3.0	1.3	2.7	3.0	2.3	2.0	2.6	3.1	2.0	2.4	2.4
3	E C - 3122	2.5	2.5	2.8	2.8	3.0	1.8	3.0	1.3	2.3	2.0	2.3	3.0	1.3	2.1	2.3
4	B H - 2809	2.0	1.5	2.4	1.3	2.5	1.0	2.0	1.5	1.6	1.4	2.6	1.9	1.5	1.9	1.8
5	H K H - 1187	3.0	2.3	2.8	2.8	3.3	1.8	3.7	3.0	2.9	3.4	2.0	4.0	1.5	2.7	2.8
6	H K H - 1203	2.7	2.5	3.0	1.5	2.5	1.3	2.7	1.0	1.8	2.0	2.8	2.6	1.3	2.1	2.1
7	A H - 017045	2.7	2.5	2.3	1.8	3.0	2.0	3.3	3.0	2.6	2.0	2.9	2.1	1.3	2.1	2.4
8	A H - 017051	2.7	2.3	3.0	1.8	2.8	1.8	2.7	2.5	2.3	1.9	2.3	2.5	1.8	2.1	2.3
9	Jg - GM - 3	2.7	2.5	3.4	2.3	3.0	2.3	2.7	3.8	2.8	2.1	2.4	2.9	1.8	2.3	2.6
10	SNEHA - 4002	2.2	2.0	2.5	1.0	2.3	1.3	2.0	3.0	1.9	1.8	2.0	2.9	1.0	1.9	2.0
11	X 1280 A	2.3	2.0	2.6	1.3	2.3	1.0	1.3	3.0	1.8	1.6	2.9	2.5	1.3	2.1	2.0
12	M C H - 8	2.5	2.3	2.0	1.0	2.0	1.0	2.0	2.8	1.8	2.0	1.6	2.1	1.0	1.7	1.9
13	X - 2151	2.2	2.0	2.1	1.8	2.5	1.3	2.0	2.5	2.0	1.9	2.8	2.8	1.3	2.2	2.1
14	SEEDTEC - 168	2.3	2.0	2.3	2.0	2.5	1.8	2.3	1.8	2.1	1.9	2.8	2.3	1.5	2.1	2.1
15	BISCO - 201	2.3	1.8	2.5	1.3	2.5	1.3	2.0	2.0	1.8	1.7	2.3	2.5	1.3	1.9	1.9
16	N E C H - 119	1.8	1.5	2.3	1.5	2.0	1.0	1.7	3.0	1.8	1.5	2.4	1.8	1.0	1.7	1.8
17	BIO - 22027	2.2	2.3	2.5	2.3	2.5	1.0	1.7	2.3	1.9	1.8	2.5	3.0	1.3	2.1	2.1
18	FILLER	2.2	2.5	3.0	2.0	2.5	1.5	1.7	1.3	1.8	1.8	3.0	2.8	1.5	2.3	2.1
19	J K M H - 340	2.0	2.0	2.9	2.0	2.5	2.0	2.3	1.8	2.1	1.8	2.8	3.0	1.3	2.2	2.2
20	A A M H - 511	2.7	2.0	2.6	1.8	2.5	1.3	2.3	1.8	1.9	1.7	2.5	2.9	1.5	2.1	2.1
21	N M H - 20507	2.2	1.8	2.8	1.5	2.3	1.5	2.0	2.5	2.0	1.5	2.4	3.0	1.5	2.1	2.1
22	STAR - 2011	2.2	2.0	2.3	1.8	2.5	1.0	2.0	2.0	1.9	1.9	2.3	2.0	1.3	1.9	1.9
	CHECKS:															
23	NAVJOT	3.0	2.5	2.8	2.3	3.3	1.8	2.7	2.0	2.4	2.2	2.8	2.3	1.8	2.2	2.4
24	DECCAN - 107	2.3	2.8	2.8	2.8	3.0	2.0	2.0	1.5	2.3	2.0	2.5	2.4	1.8	2.2	2.3
25	KH 510	2.2	2.5	2.9	2.3	2.8	1.3	1.3	2.0	1.9	1.5	2.6	2.5	1.3	2.0	2.1
	MEAN LOCATION	2.4	2.2	2.6	1.8	2.6	1.5	2.3	2.2	2.1	1.9	2.5	2.6	1.4	2.1	2.2
	C.D. AT 5%=	0.4	0.2	0.9	0.8	0.2	0.6	1.0	0.6	0.6	0.4	0.4	0.5	0.3	0.4	-
	C.V. % =	10.4	6.9	23.7	29.3	6.1	30.0	25.9	18.0	-	15.6	10.4	14.0	15.0	-	-
	F (Prob)	.000	.000	.362	.000	.000	.000	.001	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ZN 1 BAJA	ZN 3 DHOL	KARI	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14-2(DBM)	2.3	3.3	2.3	2.5	1.0	2.0	1.3	1.8	1.6	2.3	3.5	1.0	2.1	2.1
2	E H - 31079	2.0	2.8	1.5	2.0	1.0	2.0	2.0	1.7	1.7	2.6	2.5	1.0	2.0	1.9
3	E C - 3122	2.2	2.9	2.0	2.5	1.3	2.7	2.3	2.1	1.7	2.8	2.5	1.3	2.0	2.2
4	B H - 2809	2.0	2.4	1.8	2.3	1.5	2.3	1.8	1.9	1.5	2.3	2.3	1.0	1.7	1.9
5	H K H - 1187	3.5	2.5	2.3	3.3	3.0	2.7	2.0	2.6	2.6	2.1	3.8	3.0	2.9	2.8
6	H K H - 1203	2.2	2.9	2.3	2.0	2.5	2.7	2.0	2.3	1.8	2.5	2.5	1.0	2.0	2.2
7	A H - 017045	2.3	2.6	2.5	2.8	2.0	2.7	2.0	2.4	1.9	2.9	2.5	1.3	2.1	2.3
8	A H - 017051	2.2	2.6	1.8	2.8	1.8	2.3	2.0	2.1	1.6	2.4	2.5	1.0	1.9	2.1
9	Jg - GM - 3	2.0	2.9	2.3	2.8	1.8	2.3	3.5	2.5	1.8	2.3	2.9	1.0	2.0	2.3
10	SNEHA - 4002	2.2	2.6	2.3	2.5	1.0	2.3	3.3	2.3	1.5	2.3	2.3	1.0	1.7	2.1
11	X 1280 A	2.3	2.5	2.5	3.0	1.0	2.3	2.8	2.3	1.6	2.9	2.5	1.0	2.0	2.2
12	M C H - 8	2.2	2.5	1.8	2.8	1.0	2.0	2.3	2.0	1.8	2.0	2.0	2.0	1.9	2.0
13	X - 2151	2.0	2.6	1.8	2.0	1.8	2.0	2.5	2.0	1.5	2.8	2.1	1.0	1.9	2.0
14	SEEDTEC - 168	2.0	2.6	2.3	2.8	1.5	2.0	2.0	2.1	1.6	2.5	2.8	1.0	2.0	2.1
15	BISCO - 201	2.2	2.8	1.8	2.0	1.5	1.3	1.5	1.6	1.5	2.3	3.0	1.0	1.9	1.9
16	N E C H - 119	2.0	2.8	1.8	2.0	1.0	2.0	2.0	1.8	1.5	2.5	2.9	1.0	2.0	1.9
17	BIO - 22027	2.0	2.9	2.0	2.3	1.3	2.0	2.8	2.0	1.5	2.4	2.3	1.0	1.8	2.0
18	FILLER	2.0	2.8	2.0	2.0	1.5	2.0	2.0	1.9	1.7	2.8	2.5	1.0	2.0	2.0
19	J K M H - 340	2.0	2.8	2.0	2.3	1.3	2.7	2.0	2.0	1.7	2.4	2.5	1.0	1.9	2.0
20	A A M H - 511	2.3	2.8	2.3	3.0	1.5	2.0	2.5	2.3	1.6	2.5	2.5	1.3	2.0	2.2
21	N M H - 20507	2.2	2.8	2.3	2.3	1.5	1.7	2.8	2.1	1.5	2.4	2.5	1.0	1.8	2.1
22	STAR - 2011	2.0	2.5	1.8	2.3	1.0	1.3	3.0	1.9	1.6	2.3	2.0	1.0	1.7	1.9
	CHECKS:														
23	NAVJOT	2.3	2.4	2.0	3.0	1.0	2.3	2.5	2.2	1.9	2.6	2.5	1.3	2.1	2.2
24	DECCAN - 107	2.0	2.9	1.8	2.5	1.0	1.7	2.3	1.8	1.6	2.5	2.3	1.8	2.0	2.0
25	KH 510	2.0	2.8	2.5	2.3	1.5	1.0	3.0	2.0	1.6	2.5	2.4	1.5	2.0	2.1
	MEAN LOCATION	2.2	2.7	2.0	2.5	1.4	2.1	2.3	2.1	1.7	2.5	2.5	1.2	2.0	2.1
	C.D. AT 5%=	0.3	0.7	0.8	0.2	0.6	0.8	0.5	0.6	0.3	0.4	0.3	0.3	0.3	-
	C.V. % =	9.1	18.7	26.7	6.2	31.8	22.7	16.1	-	11.5	12.8	7.5	16.4	-	-
	F (Prob)	.000	.937	.369	.000	.000	.002	.000	-	.000	.007	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ZN 1 BAJA	ZN 3 DHOL	KARI	ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14-2(DBM)	3.0	3.5	2.8	3.0	2.0	2.0	2.4	2.3	2.4	2.4	1.0	2.0	2.4
2	E H - 31079	2.3	3.6	2.5	2.8	2.7	3.3	2.8	2.0	2.4	3.0	1.8	2.3	2.6
3	E C - 3122	2.8	3.5	2.5	3.0	3.0	2.8	2.8	2.1	2.5	2.5	1.3	2.1	2.6
4	B H - 2809	2.3	3.1	2.3	2.3	2.3	2.3	2.3	1.5	2.4	2.0	1.0	1.7	2.1
5	H K H - 1187	2.2	2.6	1.8	2.0	2.7	2.3	2.2	1.9	2.1	2.5	1.0	1.9	2.1
6	H K H - 1203	2.0	3.3	2.3	2.0	3.0	2.0	2.3	1.6	2.5	2.5	1.0	1.9	2.2
7	A H - 017045	2.3	3.5	2.0	2.8	2.7	2.0	2.4	2.1	2.5	2.4	1.0	2.0	2.3
8	A H - 017051	2.5	3.4	2.3	2.5	2.7	2.0	2.4	2.3	2.8	2.5	1.0	2.1	2.4
9	Jg - GM - 3	2.2	3.5	2.3	2.5	2.7	3.3	2.7	2.5	2.3	2.9	1.5	2.3	2.5
10	SNEHA - 4002	2.2	2.6	2.3	2.0	2.3	2.3	2.2	1.8	2.1	2.4	1.0	1.8	2.1
11	X 1280 A	2.0	2.6	2.0	1.8	2.3	2.3	2.1	1.6	2.9	2.5	1.0	2.0	2.1
12	M C H - 8	2.2	3.0	2.5	2.0	1.3	2.8	2.1	1.9	1.5	2.0	1.0	1.6	2.0
13	X - 2151	2.3	3.4	2.0	2.8	2.3	2.5	2.4	1.6	2.4	2.5	1.0	1.9	2.3
14	SEEDTEC - 168	2.2	3.5	2.3	2.3	2.0	3.0	2.4	1.8	2.6	2.8	1.3	2.1	2.4
15	BISCO - 201	2.3	3.4	2.0	2.0	1.3	2.5	2.0	1.6	2.3	2.1	1.0	1.7	2.0
16	N E C H - 119	2.2	2.9	2.3	2.5	2.0	2.3	2.3	1.6	2.4	2.5	1.0	1.9	2.2
17	BIO - 22027	2.0	3.3	2.3	2.0	2.0	2.8	2.3	1.7	2.5	2.1	1.0	1.8	2.2
18	FILLER	2.3	3.5	2.8	2.3	2.0	2.0	2.3	1.6	2.6	2.3	1.3	1.9	2.3
19	J K M H - 340	2.3	3.3	2.8	3.0	2.7	3.0	2.9	1.6	2.6	2.4	1.0	1.9	2.5
20	A A M H - 511	2.5	3.4	2.0	2.8	2.3	2.5	2.4	1.8	2.5	2.5	1.0	2.0	2.3
21	N M H - 20507	2.3	3.0	2.5	2.5	1.7	2.3	2.2	1.8	2.1	2.5	1.0	1.8	2.2
22	STAR - 2011	2.0	3.1	2.0	2.3	1.7	2.0	2.0	2.3	2.5	2.5	1.0	2.1	2.1
	CHECKS:													
23	NAVJOT	2.5	3.4	2.5	2.3	2.7	2.5	2.5	2.3	2.5	2.5	1.3	2.1	2.4
24	DECCAN - 107	2.3	3.5	2.5	2.3	2.3	2.3	2.3	2.0	2.5	2.0	1.3	2.0	2.3
25	KH 510	2.0	3.4	2.5	2.5	1.7	2.0	2.2	1.9	2.5	2.6	1.3	2.1	2.2
	MEAN LOCATION	2.3	3.2	2.3	2.4	2.3	2.4	2.3	1.9	2.4	2.4	1.1	2.0	2.3
	C.D. AT 5%=	0.4	0.6	0.7	0.3	0.8	0.7	0.6	0.4	0.4	0.3	0.3	0.3	-
	C.V. % =	11.2	12.7	22.3	9.1	21.4	19.1	-	15.5	11.3	7.5	15.0	-	-
	F (Prob)	.001	.009	.361	.000	.001	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 BAJA	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	BANG MONS
1	W C - 14 - 2 (DBM)	202	176	200	188	173	156	209	179	161	183
2	E H - 31079	214	180	197	188	189	145	196	177	144	175
3	E C - 3122	200	173	202	187	183	153	200	178	159	170
4	B H - 2809	204	181	200	191	203	148	203	184	166	176
5	H K H - 1187	179	155	185	170	202	139	195	179	153	175
6	H K H - 1203	165	161	160	161	176	126	199	167	156	166
7	A H - 017045	190	169	193	181	165	144	194	168	150	168
8	A H - 017051	163	161	158	160	188	135	187	170	151	171
9	Jg - GM - 3	187	183	197	190	189	137	185	170	167	178
10	SNEHA - 4002	213	183	217	200	198	156	198	184	157	180
11	X 1280 A	212	191	205	198	184	160	222	188	163	195
12	M C H - 8	199	154	173	164	193	133	187	171	142	178
13	X - 2151	190	189	190	189	210	145	203	186	161	179
14	SEEDTEC - 168	222	169	205	187	181	159	200	180	163	184
15	BISCO - 201	203	192	200	196	198	147	198	181	166	189
16	N E C H - 119	207	176	215	196	174	163	206	181	163	179
17	BIO - 22027	208	193	192	192	193	149	216	186	170	183
18	FILLER	188	189	203	196	178	150	205	178	157	184
19	J K M H - 340	197	174	173	174	182	136	202	173	140	169
20	A A M H - 511	193	171	170	171	154	146	201	167	162	178
21	N M H - 20507	193	186	190	188	160	148	207	172	153	178
22	STAR - 2011	205	173	195	184	169	142	213	174	153	180
	CHECKS:										
23	NAVJOT	181	171	197	184	194	142	200	178	165	169
24	DECCAN - 107	205	179	205	192	208	146	216	190	170	176
25	KH 510	197	175	188	182	175	140	190	168	151	175
	MEAN LOCATION	197	176	192	184	185	146	201	177	158	177
	C.D. AT 5%=	21.1	20.8	13.4	17.1	4.3	17.0	16.0	12.4	12.1	19.7
	C.V. % =	6.5	8.4	4.2	-	1.4	8.3	5.7	-	5.5	7.9
	F (Prob)	.000	.005	.000	-	.000	.005	.001	-	.000	.580

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) MAND	COIM	AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	W C - 14 - 2 (DBM)	194	171	243	190	231	151	174	153	177	185
2	E H - 31079	187	171	243	184	231	160	139	175	176	183
3	E C - 3122	185	171	195	176	221	148	156	158	171	178
4	B H - 2809	197	174	238	190	238	164	158	167	181	188
5	H K H - 1187	182	175	245	186	201	145	138	165	162	176
6	H K H - 1203	189	168	243	184	211	165	146	150	168	172
7	A H - 017045	195	175	245	186	203	154	138	155	162	176
8	A H - 017051	183	179	218	180	226	169	142	150	172	172
9	Jg - GM - 3	197	171	218	186	240	163	147	143	173	180
10	SNEHA - 4002	208	168	235	190	244	164	171	170	187	191
11	X 1280 A	212	158	230	192	261	170	189	192	203	196
12	M C H - 8	189	172	245	185	205	153	154	147	165	175
13	X - 2151	193	169	220	184	234	163	172	153	180	185
14	SEEDTEC - 168	202	159	228	187	226	164	145	175	178	185
15	BISCO - 201	206	164	230	191	249	178	170	170	192	191
16	N E C H - 119	204	170	238	191	226	166	162	173	182	188
17	BIO - 22027	200	163	253	194	259	173	174	175	195	193
18	FILLER	206	165	238	190	225	161	177	175	184	187
19	J K M H - 340	194	174	230	181	219	150	153	152	168	176
20	A A M H - 511	203	173	220	187	219	171	162	165	179	179
21	N M H - 20507	191	169	238	186	231	155	145	173	176	181
22	STAR - 2011	190	170	238	186	231	153	183	160	182	184
	CHECKS:										
23	NAVJOT	198	157	225	183	209	156	157	170	173	179
24	DECCAN - 107	188	171	228	186	235	158	155	165	178	187
25	KH 510	195	172	230	185	209	156	158	162	171	178
	MEAN LOCATION	195	169	232	186	227	160	159	164	177	183
	C.D. AT 5%=	16.6	10.3	44.3	20.6	17.8	10.3	8.3	21.4	14.4	-
	C.V. % =	5.2	4.3	9.2	-	5.6	4.6	3.7	7.9	-	-
	F (Prob)	.028	.005	.851	-	.000	.000	.000	.006	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 1 BAJA	LUDH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	KARI	BANG MONS	MAND	COIM
1	W C - 14 - 2 (DBM)	100	88	107	97	55	73	81	69	70	108	98	83
2	E H - 31079	90	75	97	86	63	66	60	63	62	103	98	81
3	E C - 3122	98	74	110	92	52	71	75	66	63	103	88	75
4	B H - 2809	85	90	108	99	77	66	71	71	66	104	87	83
5	H K H - 1187	67	69	95	82	58	61	68	62	50	105	86	74
6	H K H - 1203	78	79	87	83	65	61	66	64	60	100	88	78
7	A H - 017045	92	86	105	96	53	69	70	64	65	100	89	86
8	A H - 017051	78	84	98	91	56	69	65	63	54	125	85	82
9	Jg - GM - 3	78	78	107	92	55	58	58	57	65	108	88	77
10	SNEHA - 4002	83	75	102	88	73	68	64	68	64	106	107	87
11	X 1280 A	80	81	93	87	55	65	67	62	63	103	91	81
12	M C H - 8	81	74	102	88	58	56	67	60	60	104	88	86
13	X - 2151	85	94	103	99	64	74	75	71	62	105	88	77
14	SEEDTEC - 168	95	73	97	85	49	70	59	59	66	106	93	79
15	BISCO - 201	94	84	103	94	58	64	64	62	56	108	95	74
16	N E C H - 119	103	85	107	96	55	74	78	69	71	104	94	88
17	BIO - 22027	79	95	105	100	55	66	72	64	67	104	89	76
18	FILLER	70	86	110	98	67	65	64	65	64	106	97	79
19	J K M H - 340	100	75	105	90	51	60	63	58	60	100	85	76
20	A A M H - 511	82	74	88	81	53	61	68	61	55	105	98	81
21	N M H - 20507	72	85	98	92	57	65	71	65	64	105	85	80
22	STAR - 2011	90	80	98	89	75	69	75	73	57	106	91	72
	CHECKS:												
23	NAVJOT	78	86	103	95	61	68	71	67	64	100	91	68
24	DECCAN - 107	94	78	103	90	71	68	71	70	57	105	96	82
25	KH 510	87	79	97	88	51	65	69	62	57	103	89	82
	MEAN LOCATION	86	81	101	91	59	66	68	65	62	105	91	79
	C.D. AT 5%=	12.6	17.3	8.0	12.7	6.8	13.9	9.6	10.1	8.8	15.1	19.6	6.6
	C.V. % =	9.0	15.2	4.8	-	7.0	14.9	10.0	-	10.1	10.2	13.1	5.9
	F (Prob)	.000	.228	.000	-	.000	.611	.000	-	.001	.721	.909	.000

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) AURA SYNG	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	H.turc. * BAJA	H.may. * BAJA
1	W C - 14 - 2 (DBM)	93	90	114	80	63	78	84	86	2.0	1.2
2	E H - 31079	88	86	98	65	53	80	74	78	1.7	1.2
3	E C - 3122	90	84	96	70	71	68	76	80	1.7	1.0
4	B H - 2809	73	82	103	66	76	73	79	82	2.3	1.0
5	H K H - 1187	93	82	71	65	52	70	64	72	4.2	2.0
6	H K H - 1203	88	83	95	66	65	72	74	76	1.5	1.0
7	A H - 017045	88	85	83	70	57	67	69	78	1.7	1.0
8	A H - 017051	78	85	104	73	47	72	74	78	1.8	1.5
9	Jg - GM - 3	98	87	110	69	74	58	78	79	1.7	1.0
10	SNEHA - 4002	90	91	99	68	60	75	75	81	1.0	1.0
11	X 1280 A	72	82	101	68	72	75	79	78	1.5	1.0
12	M C H - 8	78	83	79	66	74	63	71	76	1.0	1.3
13	X - 2151	78	82	90	66	78	68	76	80	1.7	1.0
14	SEEDTEC - 168	90	87	80	63	65	72	70	77	1.5	1.0
15	BISCO - 201	98	86	93	85	61	82	80	81	1.5	1.5
16	N E C H - 119	83	88	89	71	64	73	74	83	1.3	1.0
17	BIO - 22027	90	85	105	70	79	78	83	82	1.5	1.0
18	FILLER	83	86	89	64	63	65	70	78	1.5	1.2
19	J K M H - 340	83	81	74	65	61	60	65	74	1.5	1.2
20	A A M H - 511	93	86	83	81	60	72	74	77	1.7	1.0
21	N M H - 20507	98	86	93	70	66	77	76	79	1.7	1.0
22	STAR - 2011	83	82	113	68	75	77	83	82	1.5	1.0
	CHECKS:										
23	NAVJOT	93	83	98	83	65	70	79	80	1.8	1.0
24	DECCAN - 107	88	86	111	76	62	70	80	82	1.7	1.2
25	KH 510	99	86	86	63	76	65	73	78	1.7	1.2
	MEAN LOCATION	87	85	94	70	65	71	75	79	1.7	1.1
	C.D. AT 5%=	20.6	14.1	13.4	7.6	3.8	16.0	10.2	-	0.5	0.3
	C.V. % =	11.4	-	10.1	7.7	4.1	13.7	-	-	16.6	16.0
	F (Prob)	.326	-	.000	.000	.000	.353	-	-	.000	.000

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT DELH	LUDH	ZN 2 MEAN	ZN 3 AMBI	KARI	BANG MONS	MAND	COIM	AURA SYNG	ZN 4 MEAN
1	W C - 14 - 2 (DBM)	1.03	0.98	1.01	1.26	0.92	1.02	0.97	1.00	0.74	0.93
2	E H - 31079	1.03	0.94	0.98	1.21	1.01	0.98	0.95	1.00	0.80	0.95
3	E C - 3122	0.99	0.95	0.97	1.24	0.97	1.04	0.99	1.00	0.90	0.98
4	B H - 2809	0.97	0.97	0.97	1.06	0.94	1.00	0.99	1.00	0.73	0.93
5	H K H - 1187	1.06	0.95	1.01	1.19	1.06	0.99	0.97	1.00	0.84	0.97
6	H K H - 1203	1.00	1.01	1.00	1.15	0.95	1.01	0.96	1.00	0.84	0.95
7	A H - 017045	1.05	0.99	1.02	1.02	1.06	0.99	1.08	1.00	0.88	1.00
8	A H - 017051	1.04	0.94	0.99	1.06	1.04	1.02	0.98	1.00	0.81	0.97
9	Jg - GM - 3	1.06	0.95	1.00	1.16	0.99	1.00	1.00	1.00	0.71	0.94
10	SNEHA - 4002	0.99	0.91	0.95	1.16	0.99	1.01	0.97	1.00	0.78	0.95
11	X 1280 A	1.12	1.00	1.06	1.12	0.99	0.99	0.97	1.00	0.71	0.93
12	M C H - 8	0.95	0.92	0.94	1.16	1.00	1.00	0.97	1.00	0.62	0.92
13	X - 2151	1.01	0.97	0.99	1.15	0.99	1.01	0.98	1.00	0.58	0.91
14	SEEDTEC - 168	1.01	0.91	0.96	1.02	0.94	0.99	0.97	1.00	0.49	0.88
15	BISCO - 201	1.01	0.93	0.97	1.12	1.01	1.03	1.10	1.00	0.74	0.98
16	N E C H - 119	0.97	0.92	0.94	1.23	0.98	1.01	1.07	1.01	0.75	0.97
17	BIO - 22027	1.01	0.95	0.98	1.03	0.99	0.99	1.01	1.00	0.76	0.95
18	FILLER	0.96	1.00	0.98	1.19	1.01	1.00	1.04	1.00	0.76	0.96
19	J K M H - 340	0.95	0.98	0.96	1.17	1.06	1.02	1.13	1.00	0.79	1.00
20	A A M H - 511	1.03	0.99	1.01	1.29	0.98	1.00	0.96	1.00	0.88	0.96
21	N M H - 20507	1.04	0.91	0.97	1.12	1.01	1.01	0.95	1.00	0.78	0.95
22	STAR - 2011	1.04	0.87	0.96	1.32	0.96	0.99	0.99	1.00	0.84	0.95
	CHECKS:										
23	NAVJOT	1.03	0.89	0.96	1.09	1.00	0.96	0.94	1.00	0.89	0.96
24	DECCAN - 107	1.08	1.06	1.07	1.34	0.97	1.01	0.98	1.00	0.81	0.96
25	KH 510	1.04	0.95	1.00	1.22	0.91	1.01	0.96	1.00	0.85	0.94
	MEAN LOCATION	-	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	-	-	-	-	-	-	-	-	-	-
	C.V. % =	-	-	-	-	-	-	-	-	-	-
	F (Prob)	-	-	-	-	-	-	-	-	-	-

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT					STAND AT HARVEST					
		UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN	BAJA	DELH	LUDH	KARN	VARA	DHOL
1	W C - 14 - 2 (DBM)	1.05	1.02	1.03	1.03	1.00	32	29	39	25	37	34
2	E H - 31079	0.95	0.89	1.00	0.95	0.98	31	31	38	23	34	31
3	E C - 3122	0.93	0.90	1.03	0.95	0.99	35	35	39	26	35	37
4	B H - 2809	0.97	1.07	1.00	1.01	0.97	32	33	39	24	36	32
5	H K H - 1187	0.98	0.99	1.00	0.99	1.00	39	32	39	25	34	37
6	H K H - 1203	0.96	0.95	1.00	0.97	0.98	38	35	38	23	42	40
7	A H - 017045	0.93	0.89	1.00	0.94	0.99	35	32	38	25	39	39
8	A H - 017051	1.00	1.04	1.02	1.02	0.99	31	32	35	25	35	32
9	Jg - GM - 3	0.92	0.90	1.00	0.94	0.97	28	31	27	25	35	12
10	SNEHA - 4002	0.98	1.00	1.00	0.99	0.98	28	34	36	24	32	23
11	X 1280 A	0.95	0.91	1.02	0.96	0.98	38	28	40	25	36	37
12	M C H - 8	0.93	1.04	1.04	1.00	0.97	37	32	40	24	37	38
13	X - 2151	0.98	0.91	1.02	0.97	0.96	33	36	39	24	41	32
14	SEEDTEC - 168	0.97	1.02	1.02	1.00	0.94	27	29	32	24	30	24
15	BISCO - 201	0.98	0.91	1.00	0.96	0.99	30	32	37	25	35	34
16	N E C H - 119	0.94	0.90	1.00	0.95	0.98	33	35	37	25	39	30
17	BIO - 22027	0.94	0.94	1.02	0.96	0.97	34	33	37	26	43	38
18	FILLER	0.94	0.96	1.00	0.96	0.99	37	36	38	26	33	31
19	J K M H - 340	0.99	0.97	1.00	0.99	1.00	24	33	35	24	35	30
20	A A M H - 511	0.96	0.90	1.07	0.98	1.01	34	34	40	24	34	36
21	N M H - 20507	0.99	0.92	1.00	0.97	0.97	33	31	39	24	35	35
22	STAR - 2011	0.95	0.85	1.00	0.93	0.98	37	34	40	22	33	37
	CHECKS:											
23	NAVJOT	1.01	0.93	1.08	1.01	0.98	32	31	39	24	35	35
24	DECCAN - 107	0.98	0.85	1.01	0.95	1.01	33	33	38	23	36	26
25	KH 510	0.97	1.01	1.02	1.00	0.99	35	35	38	25	38	40
	MEAN LOCATION	-	-	-	-	-	33	33	37	24	36	33
	C.D. AT 5%=	-	-	-	-	-	3.5	6.0	4.0	2.1	3.6	6.5
	C.V. % =	-	-	-	-	-	6.5	11.2	7.6	5.3	6.1	14.1
	F (Prob)	-	-	-	-	-	.000	.402	.000	.078	.000	.000

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST AMBI	KARI	ARBH	BANG MONS	MAND	COIM	AURA SYNG	UDAI	BANS	GODH	CHHI	OV'L MEAN
1	W C - 14 - 2 (DBM)	28	43	38	38	35	37	34	29	23	18	31	32
2	E H - 31079	20	42	38	36	39	37	33	27	26	18	20	31
3	E C - 3122	22	40	32	34	39	37	33	25	26	21	21	32
4	B H - 2809	24	44	39	38	36	37	35	30	32	24	31	33
5	H K H - 1187	25	44	33	36	38	37	36	22	30	26	31	33
6	H K H - 1203	26	40	42	39	37	38	36	35	25	33	28	35
7	A H - 017045	26	40	41	36	40	37	29	33	25	20	17	32
8	A H - 017051	26	40	41	33	38	37	32	33	27	25	25	32
9	Jg - GM - 3	13	41	27	34	32	37	30	20	29	14	17	27
10	SNEHA - 4002	20	43	26	32	36	37	30	23	23	19	13	28
11	X 1280 A	34	37	42	40	36	37	31	34	26	24	20	33
12	M C H - 8	24	43	42	45	38	38	32	32	31	28	21	34
13	X - 2151	32	41	38	41	39	38	38	40	25	29	31	35
14	SEEDTEC - 168	19	40	27	37	38	37	33	26	30	17	16	28
15	BISCO - 201	21	44	39	38	41	38	33	29	26	25	14	32
16	N E C H - 119	35	43	37	39	38	38	34	28	24	26	26	33
17	BIO - 22027	30	43	41	38	34	38	34	34	27	36	33	35
18	FILLER	30	41	39	36	39	38	35	30	25	27	23	33
19	J K M H - 340	30	38	37	37	37	38	31	31	25	22	26	31
20	A A M H - 511	21	41	41	39	38	38	30	34	31	25	22	33
21	N M H - 20507	34	37	36	36	38	37	33	32	33	27	36	34
22	STAR - 2011	31	41	42	39	39	37	37	37	25	24	25	34
	CHECKS:												
23	NAVJOT	27	41	37	35	37	37	32	29	29	19	23	32
24	DECCAN - 107	25	39	40	37	38	38	34	39	31	27	33	34
25	KH 510	32	41	40	38	38	38	33	29	29	28	27	34
	MEAN LOCATION	26	41	37	37	37	37	33	30	27	24	24	32
	C.D. AT 5%=	5.9	5.0	5.1	5.7	5.0	0.9	6.8	4.9	3.5	6.6	11.9	-
	C.V. % =	16.1	8.7	9.6	10.9	8.1	1.8	10.0	11.5	9.2	19.6	29.8	-
	F (Prob)	.000	.169	.000	.039	.273	.149	.567	.000	.000	.000	.005	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 5

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, VARANASI, AMBIKAPUR, ARBHAVI, MONSANTO BANGALORE, PROAGRO BANGALORE MANDYA, COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA, IN TRIAL No. TR63A DURING KHARIF (2002).

Sl		GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		ZN 1									ZN 2					ZN 3	
No	PEDIGREE	ALMO	R	DELH	R	LUDH	R	KARN	R	PANT	R	MEAN	R	VARA	R	AMBI	R	MEAN	R
1	KM H - 3	8657	10	4105	18	4526	15	3437	26	3713	4	3945	18	6863	3	6363	9	6613	3
2	KM H - 9	7567	18	4076	19	4679	13	3843	19	1958	28	3639	23	6375	10	6130	11	6252	10
3	F H - 3228	7544	20	4812	9	4374	17	3505	24	2838	18	3882	19	4881	27	6438	5	5659	18
4	J H - 3957	9093	6	5159	6	6116	5	5023	3	2873	17	4793	4	5262	22	6386	7	5824	15
5	J H - 3999	7711	15	6385	1	7348	1	4535	11	3196	8	5366	1	5880	15	6104	12	5992	13
6	J H - 31026	9332	4	5607	3	5774	6	4829	6	3815	3	5006	2	6804	4	5970	14	6387	8
7	E H - 31008	8572	11	3810	24	3442	27	3023	29	3377	5	3413	27	5996	14	5642	18	5819	16
8	E H - 30964	6084	27	3578	27	3653	25	4516	12	2985	14	3683	21	6035	13	5214	26	5625	19
9	HKH - 1176	6820	24	4649	11	4063	23	5375	2	1958	29	4011	14	5372	20	4729	29	5051	27
10	HKH - 1182	6001	28	4152	17	4001	24	4742	9	2928	15	3956	17	4985	25	5491	20	5238	24
11	HKH - 1219	5618	29	2949	29	2882	28	4290	16	2572	22	3173	29	5759	17	5277	24	5518	21
12	D E H - 10102	6748	25	3324	28	-		3581	21	3050	12	3318	28	5037	24	5631	19	5334	23
13	Jh GM - 4	7345	23	3760	25	4652	14	3548	23	2713	20	3668	22	4911	26	5400	22	5155	25
14	A H - 01411	7444	22	3926	22	4366	18	3495	25	2461	26	3562	25	5151	23	5077	27	5114	26
15	A H - 017 077	7549	19	3827	23	4158	21	3231	27	3306	6	3631	24	5626	19	6512	4	6069	12
16	MCH - 6	10371	3	3652	26	6720	2	4383	13	2561	23	4329	10	6489	7	6592	3	6540	4
17	X 1150 Z	9151	5	6043	2	6229	4	4091	17	3101	10	4866	3	6981	2	5979	13	6480	6
18	X - 2185	9010	8	4420	14	6381	3	4987	4	3174	9	4740	7	6624	5	6363	10	6494	5
19	SEEDTEC - 114	7881	14	4905	8	5340	9	3581	22	3075	11	4225	11	4624	28	5305	23	4965	28
20	BISCO - 204	10551	2	5441	5	5412	8	4728	10	2544	24	4531	8	6500	6	7000	2	6750	2

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 ALMO	R	DELH	R	LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R	VARA	R	AMBI	R	ZN 3 MEAN	R
21	P R O - 358	8780	9	5521	4	4714	12	4316	15	4466	1	4754	6	6469	9	6406	6	6438	7
22	PAC 71007	7482	21	4003	21	5768	7	3871	18	2276	27	3980	16	6325	11	6366	8	6346	9
23	FILLER	8429	12	4360	16	4256	20	4761	8	3021	13	4099	13	5706	18	5722	17	5714	17
24	JKMH - 810	10604	1	4753	10	5196	10	4863	5	3202	7	4503	9	7126	1	7233	1	7180	1
25	PONNI - 116	8166	13	4603	12	5097	11	4380	14	2535	25	4154	12	6190	12	5474	21	5832	14
	CHECKS:																		
26	MEGHA	7627	16	4049	20	4514	16	3622	20	2926	16	3778	20	5761	16	5234	25	5497	22
27	PEHM - 2	7582	17	4364	15	4134	22	4768	7	2695	21	3991	15	5363	21	5816	16	5589	20
28	MAHI KANCHAN	6416	26	4501	13	3634	26	3114	28	2729	19	3495	26	3872	29	4812	28	4342	29
29	X - 3342	9022	7	4933	7	4261	19	5625	1	4233	2	4763	5	6477	8	5844	15	6161	11
	MEAN YIELD=	8040		4471		4679		4209		2975		4084		5843		5880		5861	
	MEAN STAND	20		36		33		26		31		32		35		34		35	
	C.D. AT 5%=	1246		1123		1996		852		902		1218		516		1079		798	
	C.V. % =	9.48		15.36		29.28		12.39		18.54		-		6.29		13.05		-	
	F (Prob)	.000		.000		.000		.000		.000		-		.000		.000		-	
	PLOT SIZE=	3.60		7.50		5.20		3.90		7.50		-		7.50		7.50		-	
	AGRONOMY DATA:																		
	SOW. DATE(2002)	6-07		4-07		5-07		27-06		8-07		-		8-07		2-07		-	
	HARV.DATE(2002)	1-11		16-10		16-10		26-09		12-10		-		12-10		-		-	
	IRRIGATION Nos	-		-		-		3		2		-		2		-		-	
	FERTILIZER APP.N	80		120		80		150		120		-		80		40		-	
	P	60		80		40		60		60		-		40		60		-	
	K	40		30		-		60		-		-		40		40		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMIA 66.5% : KOLH 45.0%

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		ARBH	R	BANG MONS	R	BANG PROA	R	MAND	R	COIM	R	ZN 4 MEAN	R
1	KM H - 3	6188	13	4926	10	10560	8	7885	4	5700	16	7052	9
2	KM H - 9	6612	8	4806	13	10351	10	7463	7	6242	5	7095	8
3	F H - 3228	5520	18	5001	9	10130	11	5941	20	5508	25	6420	16
4	J H - 3957	6812	4	5163	6	11978	2	7455	8	5889	10	7459	2
5	J H - 3999	6375	10	3917	21	9938	15	5216	26	6149	7	6319	17
6	J H - 31026	6275	11	4197	16	11350	4	5787	23	6733	2	6868	12
7	E H - 31008	5196	19	4108	18	8673	20	6958	12	5929	9	6173	19
8	E H - 30964	4367	26	3409	26	8423	21	6207	19	5719	15	5625	24
9	HKH - 1176	4321	27	4129	17	7926	26	4277	29	5689	18	5268	28
10	HKH - 1182	4418	24	3506	25	9193	16	6333	17	4932	28	5676	23
11	HKH - 1219	4386	25	3251	28	6980	29	4854	28	5199	26	4934	29
12	D E H - 10102	4579	23	3012	29	8345	23	5842	22	4877	29	5331	26
13	Jh GM - 4	4681	22	3350	27	8160	24	5499	25	6335	4	5605	25
14	A H - 01411	5940	15	4089	19	10039	13	7399	9	5603	21	6614	14
15	A H - 017 077	4879	21	4067	20	7983	25	6526	16	6548	3	6001	21
16	MCH - 6	7379	1	5116	7	12489	1	6661	15	5060	27	7341	5
17	X 1150 Z	6807	5	4464	15	8998	18	5891	21	5993	8	6430	15
18	X - 2185	6964	3	5459	3	9088	17	9210	1	5529	23	7250	6
19	SEEDTEC - 114	5898	16	4829	12	10084	12	7315	10	5594	22	6744	13
20	BISCO - 204	7139	2	5740	2	11347	5	6946	13	5646	19	7364	4

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		ARBH	R	BANG MONS	R	BANG PROA	R	MAND	R	COIM	R	ZN 4 MEAN	R
21	P R O - 358	6391	9	5437	4	10673	7	8742	2	5700	17	7389	3
22	PAC 71007	5122	20	5084	8	11596	3	7557	6	5797	13	7031	10
23	FILLER	5657	17	5332	5	10026	14	7838	5	6180	6	7007	11
24	JKMH - 810	6687	7	6424	1	10432	9	8616	3	5628	20	7557	1
25	PONNI - 116	6773	6	4881	11	11315	6	7105	11	5817	11	7178	7
	CHECKS:												
26	MEGHA	4260	28	3828	22	7424	28	6719	14	7446	1	5935	22
27	PEHM - 2	6075	14	3656	24	8399	22	6234	18	5812	12	6035	20
28	MAHI KANCHAN	4220	29	3820	23	7785	27	5046	27	5522	24	5279	27
29	X - 3342	6196	12	4652	14	8973	19	5548	24	5757	14	6225	18
	MEAN YIELD=	5728		4471		9609		6658		5811		6455	
	MEAN STAND	39		38		32		40		37		37	
	C.D. AT 5%=	1217		1125		1969		2047		1088		1489	
	C.V. % =	15.11		17.89		14.58		18.80		13.32		-	
	F (Prob)	.000		.000		.000		.000		.012		-	
	PLOT SIZE=	7.50		7.50		5.53		7.00		7.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	17-07		6-07		5-07		25-07		12-07		-	
	HARVEST DATE(2002)	12-11		15-11		31-10		13-11		16-10		-	
	IRRIGATION Nos	7		-		-		5		8		-	
	FERTILIZER APPLIED N	150		-		150		150		135		-	
	P	75		-		60		75		63		-	
	K	38		-		40		40		50		-	

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5		OV'L	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R	MEAN	R
1	KM H - 3	7175	9	2068	29	4436	23	4424	3	4526	12	5689	10
2	KM H - 9	6322	16	2574	14	4172	27	4255	4	4331	16	5464	15
3	F H - 3228	6013	19	2503	18	4695	19	3494	12	4176	18	5200	17
4	J H - 3957	6973	10	2399	23	5935	1	3876	7	4796	5	6025	4
5	J H - 3999	7590	3	2922	1	5212	8	3749	9	4868	4	5764	8
6	J H - 31026	6861	11	2661	9	5257	7	3331	14	4528	11	5911	7
7	E H - 31008	6815	12	2619	11	4895	16	3501	11	4458	13	5160	18
8	E H - 30964	5314	25	2453	20	4815	17	2725	23	3827	24	4719	25
9	HKH - 1176	5170	26	2578	13	4025	28	2508	25	3570	28	4599	26
10	HKH - 1182	5958	20	2696	7	4449	22	2261	28	3841	23	4753	24
11	HKH - 1219	5515	24	2157	28	4986	13	2253	29	3728	26	4308	29
12	D E H - 10102	4819	29	2371	24	4568	20	2274	27	3508	29	4537	27
13	Jh GM - 4	5908	21	2307	26	4408	25	3719	10	4086	20	4794	23
14	A H - 01411	5655	23	2794	4	4004	29	3021	21	3869	22	5029	20
15	A H - 017 077	5749	22	2560	16	4902	15	2618	24	3957	21	5003	21
16	MCH - 6	6047	18	2585	12	5350	4	4621	2	4651	8	6005	5
17	X 1150 Z	7539	4	2414	22	5309	6	3206	18	4617	9	5762	9
18	X - 2185	7500	6	2369	25	5548	2	3225	17	4660	7	5991	6
19	SEEDTEC - 114	6349	15	2825	2	4465	21	3366	13	4251	17	5340	16
20	BISCO - 204	8249	2	2263	27	5041	11	4191	5	4936	3	6171	2

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5		OV'L	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R	MEAN	R
21	P R O - 358	8637	1	2499	19	4963	14	3799	8	4975	2	6095	3
22	PAC 71007	6626	14	2797	3	4425	24	3943	6	4448	14	5565	14
23	FILLER	7231	8	2535	17	5477	3	3135	20	4594	10	5604	13
24	JKMH - 810	7434	7	2768	6	5010	12	5748	1	5240	1	6358	1
25	PONNI - 116	6803	13	2651	10	5044	10	3147	19	4411	15	5624	12
	CHECKS:												
26	MEGHA	4953	27	2567	15	4736	18	2369	26	3656	27	4877	22
27	PEHM - 2	6237	17	2433	21	5181	9	2797	22	4162	19	5097	19
28	MAHI KANCHAN	4927	28	2677	8	4293	26	3237	16	3783	25	4413	28
29	X - 3342	7520	5	2777	5	5345	5	3309	15	4738	6	5655	11
	MEAN YIELD=	6479		2546		4860		3383		4317		5353	
	MEAN STAND	38		26		28		26		29		33	
	C.D. AT 5%=	1024		344		1231		1285		971		1190	
	C.V. % =	11.24		9.61		18.01		23.23		-		-	
	F (Prob)	.000		.000		.014		.000		-		-	
	PLOT SIZE=	6.00		6.00		6.00		6.00		-		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	10-07		20-07		5-07		25-07		-		-	
	HARVEST DATE(2002)	21-10		25-10		9-10		15-11		-		-	
	IRRIGATION Nos	2		-		-		-		-		-	
	FERTILIZER APPLIED N	90		80		100		100		-		-	
	P	60		60		50		50		-		-	
	K	-		-		-		30		-		-	

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MEGHA ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	13.51	1.38	0.28	-	26.90	4.44	19.13	21.58	20.29
2	KM H - 9	-	0.66	3.67	6.10	-	-	10.67	17.11	13.73
3	F H - 3228	-	18.85	-	-	-	2.76	-	22.99	2.94
4	J H - 3957	19.23	27.41	35.51	38.71	-	26.87	-	22.01	5.94
5	J H - 3999	1.11	57.70	62.78	25.22	9.21	42.04	2.08	16.62	9.00
6	J H - 31026	22.36	38.47	27.92	33.33	30.38	32.52	18.10	14.06	16.18
7	E H - 31008	12.39	-	-	-	15.38	-	4.09	7.79	5.85
8	E H - 30964	-	-	-	24.70	2.01	-	4.77	-	2.32
9	HKH - 1176	-	14.82	-	48.41	-	6.18	-	-	-
10	HKH - 1182	-	2.55	-	30.93	0.05	4.71	-	4.90	-
11	HKH - 1219	-	-	-	18.46	-	-	-	0.82	0.37
12	D E H - 10102	-	-	-	-	4.23	-	-	7.57	-
13	Jh GM - 4	-	-	3.07	-	-	-	-	3.16	-
14	A H - 01411	-	-	-	-	-	-	-	-	-
15	A H - 017 077	-	-	-	-	12.98	-	-	24.41	10.40
16	MCH - 6	35.98	-	48.87	21.01	-	14.59	12.63	25.94	18.97
17	X 1150 Z	19.98	49.24	38.00	12.95	5.95	28.80	21.18	14.22	17.87
18	X - 2185	18.13	9.15	41.36	37.70	8.46	25.48	14.99	21.58	18.12
19	SEEDTEC - 114	3.34	21.14	18.31	-	5.09	11.85	-	1.36	-
20	BISCO - 204	38.35	34.38	19.91	30.54	-	19.95	12.83	33.73	22.78
21	P R O - 358	15.13	36.37	4.44	19.16	52.63	25.85	12.30	22.39	17.10
22	PAC 71007	-	-	27.79	6.89	-	5.35	9.80	21.63	15.43
23	FILLER	10.52	7.68	-	31.46	3.25	8.52	-	9.32	3.93
24	JKMH - 810	39.04	17.38	15.12	34.27	9.41	19.21	23.70	38.20	30.60
25	PONNI - 116	7.08	13.69	12.91	20.93	-	9.95	7.45	4.58	6.08
	CHECKS:									
26	MEGHA	-	-	-	-	-	-	-	-	-
27	PEHM - 2	-	7.78	-	31.67	-	5.63	-	11.12	1.67
28	MAHI KANCHAN	-	11.17	-	-	-	-	-	-	-
29	X - 3342	18.29	21.84	-	55.33	44.67	26.09	12.44	11.66	12.07

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD ARBH	BANG MONS	% SUPERIORITY OVER THE MEGHA BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	45.26	28.67	42.24	17.35	-	18.81	44.87	-	-	86.79	23.78	16.65
2	KM H - 9	55.21	25.53	39.42	11.07	-	19.53	27.66	0.27	-	79.65	18.46	12.03
3	F H - 3228	29.58	30.62	36.44	-	-	8.16	21.41	-	-	47.52	14.23	6.61
4	J H - 3957	59.90	34.87	61.34	10.96	-	25.67	40.78	-	25.31	63.65	31.17	23.53
5	J H - 3999	49.66	2.33	33.86	-	-	6.46	53.26	13.80	10.06	58.27	33.15	18.19
6	J H - 31026	47.32	9.63	52.87	-	-	15.72	38.54	3.65	11.01	40.64	23.84	21.21
7	E H - 31008	21.98	7.30	16.82	3.56	-	4.00	37.61	2.01	3.36	47.81	21.92	5.79
8	E H - 30964	2.53	-	13.45	-	-	-	7.30	-	1.66	15.04	4.67	-
9	HKH - 1176	1.44	7.87	6.75	-	-	-	4.39	0.41	-	5.90	-	-
10	HKH - 1182	3.71	-	23.82	-	-	-	20.30	4.99	-	-	5.05	-
11	HKH - 1219	2.96	-	-	-	-	-	11.36	-	5.29	-	1.96	-
12	D E H - 10102	7.50	-	12.40	-	-	-	-	-	-	-	-	-
13	Jh GM - 4	9.90	-	9.91	-	-	-	19.30	-	-	57.01	11.75	-
14	A H - 01411	39.45	6.81	35.22	10.12	-	11.43	14.19	8.84	-	27.52	5.81	3.11
15	A H - 017 077	14.54	6.23	7.52	-	-	1.10	16.07	-	3.51	10.52	8.24	2.57
16	MCH - 6	73.23	33.64	68.21	-	-	23.68	22.11	0.69	12.96	95.09	27.20	23.12
17	X 1150 Z	59.80	16.59	21.19	-	-	8.34	52.22	-	12.09	35.36	26.28	18.14
18	X - 2185	63.49	42.61	22.41	37.08	-	22.15	51.43	-	17.14	36.17	27.47	22.83
19	SEEDTEC - 114	38.45	26.14	35.82	8.88	-	13.62	28.20	10.02	-	42.12	16.28	9.49
20	BISCO - 204	67.59	49.95	52.83	3.38	-	24.06	66.55	-	6.44	76.94	35.00	26.53
21	P R O - 358	50.03	42.03	43.76	30.11	-	24.48	74.39	-	4.80	60.37	36.06	24.96
22	PAC 71007	20.25	32.79	56.18	12.48	-	18.46	33.78	8.96	-	66.45	21.65	14.10
23	FILLER	32.80	39.27	35.05	16.66	-	18.05	46.01	-	15.64	32.33	25.66	14.90
24	JKMH - 810	56.97	67.80	40.51	28.24	-	27.33	50.10	7.80	5.79	142.66	43.32	30.36
25	PONNI - 116	59.00	27.51	52.40	5.75	-	20.94	37.36	3.25	6.50	32.84	20.64	15.31
	CHECKS:												
26	MEGHA	-	-	-	-	-	-	-	-	-	-	-	-
27	PEHM - 2	42.62	-	13.13	-	-	1.68	25.94	-	9.41	18.08	13.84	4.50
28	MAHI KANCHAN	-	-	4.85	-	-	-	-	4.28	-	36.65	3.48	-
29	X - 3342	45.45	21.52	20.86	-	-	4.88	51.84	8.15	12.85	39.70	29.58	15.94

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM - 2 ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	14.18	-	9.47	-	37.79	-	27.98	9.41	18.32
2	KM H - 9	-	-	13.18	-	-	-	18.89	5.39	11.87
3	F H - 3228	-	10.26	5.79	-	5.30	-	-	10.69	1.25
4	J H - 3957	19.94	18.21	47.94	5.35	6.60	20.11	-	9.81	4.20
5	J H - 3999	1.71	46.31	77.72	-	18.58	34.47	9.66	4.95	7.21
6	J H - 31026	23.08	28.47	39.66	1.26	41.57	25.45	26.88	2.65	14.27
7	E H - 31008	13.06	-	-	-	25.28	-	11.82	-	4.11
8	E H - 30964	-	-	-	-	10.77	-	12.55	-	0.64
9	HKH - 1176	-	6.52	-	12.72	-	0.52	0.18	-	-
10	HKH - 1182	-	-	-	-	8.63	-	-	-	-
11	HKH - 1219	-	-	-	-	-	-	7.39	-	-
12	D E H - 10102	-	-	-	-	13.17	-	-	-	-
13	Jh GM - 4	-	-	12.53	-	0.68	-	-	-	-
14	A H - 01411	-	-	5.61	-	-	-	-	-	-
15	A H - 017 077	-	-	0.58	-	22.68	-	4.92	11.96	8.58
16	MCH - 6	36.78	-	62.53	-	-	8.48	21.00	13.34	17.01
17	X 1150 Z	20.69	38.46	50.66	-	15.05	21.93	30.18	2.79	15.93
18	X - 2185	18.83	1.27	54.33	4.58	17.76	18.79	23.53	9.41	16.18
19	SEEDTEC - 114	3.95	12.39	29.16	-	14.11	5.88	-	-	-
20	BISCO - 204	39.17	24.67	30.91	-	-	13.55	21.21	20.35	20.76
21	P R O - 358	15.81	26.52	14.02	-	65.73	19.14	20.64	10.15	15.18
22	PAC 71007	-	-	39.52	-	-	-	17.96	9.46	13.54
23	FILLER	11.17	-	2.93	-	12.11	2.73	6.40	-	2.23
24	JKMH - 810	39.86	8.90	25.68	1.98	18.80	12.85	32.89	24.37	28.46
25	PONNI - 116	7.71	5.48	23.27	-	-	4.09	15.43	-	4.34
	CHECKS:									
26	MEGHA	0.59	-	9.17	-	8.58	-	7.43	-	-
27	PEHM - 2	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	3.14	-	-	1.26	-	-	-	-
29	X - 3342	18.99	13.04	3.06	17.97	57.08	19.36	20.79	0.49	10.23

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM - 2 ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	1.85	34.75	25.73	26.47	-	16.84	15.03	-	-	58.19	8.74	11.62
2	KM H - 9	8.83	31.46	23.24	19.71	7.40	17.55	1.37	5.82	-	52.15	4.06	7.21
3	F H - 3228	-	36.79	20.60	-	-	6.37	-	2.90	-	24.93	0.35	2.02
4	J H - 3957	12.12	41.24	42.61	19.58	1.33	23.60	11.79	-	14.54	38.60	15.22	18.21
5	J H - 3999	4.94	7.16	18.32	-	5.81	4.70	21.69	20.10	0.60	34.04	16.97	13.10
6	J H - 31026	3.30	14.80	35.13	-	15.86	13.81	10.01	9.39	1.47	19.11	8.79	15.99
7	E H - 31008	-	12.36	3.26	11.62	2.02	2.28	9.27	7.66	-	25.18	7.10	1.24
8	E H - 30964	-	-	0.28	-	-	-	-	0.85	-	-	-	-
9	HKH - 1176	-	12.96	-	-	-	-	-	5.97	-	-	-	-
10	HKH - 1182	-	-	9.45	1.58	-	-	-	10.80	-	-	-	-
11	HKH - 1219	-	-	-	-	-	-	-	-	-	-	-	-
12	D E H - 10102	-	-	-	-	-	-	-	-	-	-	-	-
13	Jh GM - 4	-	-	-	-	9.01	-	-	-	-	32.97	-	-
14	A H - 01411	-	11.86	19.53	18.68	-	9.59	-	14.86	-	8.00	-	-
15	A H - 017 077	-	11.25	-	4.67	12.68	-	-	5.24	-	-	-	-
16	MCH - 6	21.46	39.95	48.68	6.86	-	21.64	-	6.26	3.25	65.22	11.74	17.82
17	X 1150 Z	12.05	22.10	7.13	-	3.12	6.55	20.87	-	2.46	14.64	10.93	13.06
18	X - 2185	14.63	49.34	8.20	47.74	-	20.13	20.24	-	7.07	15.32	11.97	17.54
19	SEEDTEC - 114	-	32.10	20.05	17.34	-	11.75	1.80	16.11	-	20.36	2.15	4.77
20	BISCO - 204	17.51	57.03	35.09	11.42	-	22.01	32.25	-	-	49.85	18.59	21.08
21	P R O - 358	5.19	48.73	27.07	40.23	-	22.43	38.48	2.73	-	35.82	19.52	19.58
22	PAC 71007	-	39.06	38.05	21.22	-	16.50	6.23	14.99	-	40.96	6.86	9.19
23	FILLER	-	45.85	19.37	25.73	6.34	16.10	15.94	4.19	5.70	12.07	10.39	9.96
24	JKMH - 810	10.06	75.73	24.20	38.21	-	25.22	19.19	13.77	-	105.51	25.90	24.74
25	PONNI - 116	11.48	33.53	34.71	13.98	0.09	18.94	9.07	8.96	-	12.50	5.98	10.34
	CHECKS:												
26	MEGHA	-	4.72	-	7.78	28.13	-	-	5.54	-	-	-	-
27	PEHM - 2	-	-	-	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	4.49	-	-	-	-	-	10.05	-	15.73	-	-
29	X - 3342	1.98	27.26	6.83	-	-	3.15	20.57	14.14	3.15	18.31	13.83	10.95

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	34.93	-	24.54	10.36	36.07	12.90	77.25	32.24	52.31
2	KM H - 9	17.94	-	28.76	23.38	-	4.13	64.66	27.38	44.00
3	F H - 3228	17.58	6.91	20.35	12.53	3.99	11.08	26.06	33.78	30.34
4	J H - 3957	41.73	14.61	68.30	61.30	5.27	37.15	35.90	32.71	34.13
5	J H - 3999	20.19	41.85	102.18	45.62	17.11	53.54	51.88	26.85	38.01
6	J H - 31026	45.45	24.55	58.88	55.05	39.81	43.25	75.72	24.06	47.09
7	E H - 31008	33.60	-	-	-	23.72	-	54.87	17.24	34.02
8	E H - 30964	-	-	0.53	45.01	9.39	5.39	55.88	8.36	29.54
9	HKH - 1176	6.29	3.28	11.80	72.58	-	14.78	38.75	-	16.32
10	HKH - 1182	-	-	10.08	52.26	7.28	13.19	28.75	14.10	20.63
11	HKH - 1219	-	-	-	37.76	-	-	48.74	9.66	27.08
12	D E H - 10102	5.17	-	-	14.98	11.77	-	30.09	17.01	22.84
13	Jh GM - 4	14.49	-	28.02	13.92	-	4.97	26.84	12.21	18.73
14	A H - 01411	16.03	-	20.14	12.21	-	1.92	33.03	5.51	17.78
15	A H - 017 077	17.66	-	14.43	3.75	21.15	3.89	45.31	35.32	39.77
16	MCH - 6	61.64	-	84.90	40.72	-	23.87	67.58	36.98	50.62
17	X 1150 Z	42.62	34.24	71.39	31.35	13.62	39.23	80.29	24.24	49.23
18	X - 2185	40.42	-	75.58	60.13	16.30	35.64	71.09	32.24	49.56
19	SEEDTEC - 114	22.84	8.97	46.94	14.98	12.69	20.91	19.43	10.25	14.34
20	BISCO - 204	64.45	20.87	48.93	51.80	-	29.66	67.87	45.46	55.45
21	P R O - 358	36.85	22.66	29.71	38.57	63.66	36.04	67.08	33.13	48.26
22	PAC 71007	16.62	-	58.72	24.30	-	13.88	63.37	32.30	46.15
23	FILLER	31.37	-	17.10	52.87	10.72	17.30	47.36	18.90	31.59
24	JKMH - 810	65.28	5.58	42.98	56.14	17.32	28.86	84.05	50.31	65.35
25	PONNI - 116	27.28	2.27	40.24	40.63	-	18.85	59.87	13.75	34.31
	CHECKS:									
26	MEGHA	18.87	-	24.20	16.29	7.23	8.10	48.78	8.77	26.61
27	PEHM - 2	18.17	-	13.77	53.11	-	14.19	38.50	20.86	28.72
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-
29	X - 3342	40.61	9.60	17.25	80.62	55.13	36.30	67.29	21.45	41.89

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN											
		ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	46.62	28.95	35.66	56.26	3.21	33.59	45.63	-	3.33	36.69	19.62	28.92
2	KM H - 9	56.67	25.81	32.97	47.90	13.03	34.40	28.33	-	-	31.47	14.48	23.82
3	F H - 3228	30.80	30.91	30.12	17.75	-	21.62	22.05	-	9.37	7.95	10.39	17.83
4	J H - 3957	61.41	35.17	53.87	47.75	6.63	41.31	41.53	-	38.24	19.76	26.76	36.52
5	J H - 3999	51.07	2.55	27.66	3.37	11.35	19.71	54.07	9.14	21.42	15.82	28.68	30.63
6	J H - 31026	48.71	9.87	45.80	14.68	21.92	30.12	39.27	-	22.47	2.92	19.67	33.96
7	E H - 31008	23.13	7.53	11.41	37.90	7.36	16.94	38.34	-	14.03	8.16	17.82	16.93
8	E H - 30964	3.49	-	8.20	23.01	3.55	6.57	7.87	-	12.16	-	1.15	6.93
9	HKH - 1176	2.39	8.10	1.81	-	3.02	-	4.95	-	-	-	-	4.23
10	HKH - 1182	4.68	-	18.09	25.50	-	7.53	20.93	0.68	3.63	-	1.52	7.70
11	HKH - 1219	3.92	-	-	-	-	-	11.95	-	16.15	-	-	-
12	D E H - 10102	8.51	-	7.20	15.77	-	0.99	-	-	6.40	-	-	2.82
13	Jh GM - 4	10.93	-	4.82	8.98	14.71	6.19	19.93	-	2.68	14.90	7.99	8.63
14	A H - 01411	40.76	7.04	28.97	46.63	1.45	25.30	14.79	4.37	-	-	2.25	13.96
15	A H - 017 077	15.62	6.47	2.54	29.33	18.58	13.68	16.69	-	14.19	-	4.60	13.37
16	MCH - 6	74.86	33.94	60.43	32.02	-	39.07	22.75	-	24.62	42.76	22.93	36.07
17	X 1150 Z	61.30	16.85	15.59	16.74	8.52	21.82	53.03	-	23.66	-	22.03	30.57
18	X - 2185	65.03	42.92	16.75	82.53	0.13	37.35	52.23	-	29.23	-	23.18	35.76
19	SEEDTEC - 114	39.76	26.42	29.53	44.98	1.30	27.76	28.88	5.51	4.01	4.00	12.37	21.01
20	BISCO - 204	69.16	50.28	45.76	37.66	2.23	39.50	67.43	-	17.42	29.49	30.46	39.84
21	P R O - 358	51.44	42.34	37.11	73.25	3.21	39.97	75.31	-	15.62	17.36	31.48	38.11
22	PAC 71007	21.38	33.08	48.96	49.77	4.97	33.20	34.49	4.49	3.08	21.80	17.56	26.11
23	FILLER	34.05	39.58	28.80	55.34	11.91	32.74	46.78	-	27.58	-	21.43	26.99
24	JKMH - 810	58.45	68.17	34.01	70.76	1.91	43.17	50.90	3.38	16.71	77.58	38.50	44.07
25	PONNI - 116	60.50	27.79	45.35	40.82	5.33	35.99	38.09	-	17.49	-	16.59	27.44
	CHECKS:												
26	MEGHA	0.94	0.22	-	33.16	34.83	12.45	0.53	-	10.32	-	-	10.52
27	PEHM - 2	43.96	-	7.90	23.55	5.24	14.33	26.60	-	20.70	-	10.01	15.50
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-	-	-
29	X - 3342	46.82	21.79	15.26	9.95	4.26	17.93	52.65	3.72	24.50	2.23	25.22	28.14

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	-	-	6.22	-	-	-	5.95	8.88	7.34
2	KM H - 9	-	-	9.82	-	-	-	-	4.88	1.49
3	F H - 3228	-	-	2.64	-	-	-	-	10.15	-
4	J H - 3957	0.80	4.58	43.54	-	-	0.62	-	9.27	-
5	J H - 3999	-	29.43	72.43	-	-	12.65	-	4.44	-
6	J H - 31026	3.44	13.65	35.51	-	-	5.10	5.04	2.15	3.67
7	E H - 31008	-	-	-	-	-	-	-	-	-
8	E H - 30964	-	-	-	-	-	-	-	-	-
9	HKH - 1176	-	-	-	-	-	-	-	-	-
10	HKH - 1182	-	-	-	-	-	-	-	-	-
11	HKH - 1219	-	-	-	-	-	-	-	-	-
12	D E H - 10102	-	-	-	-	-	-	-	-	-
13	Jh GM - 4	-	-	9.18	-	-	-	-	-	-
14	A H - 01411	-	-	2.47	-	-	-	-	-	-
15	A H - 017 077	-	-	-	-	-	-	-	11.42	-
16	MCH - 6	14.95	-	57.70	-	-	-	0.17	12.79	6.15
17	X 1150 Z	1.43	22.49	46.18	-	-	2.15	7.77	2.29	5.17
18	X - 2185	-	-	49.74	-	-	-	2.27	8.88	5.40
19	SEEDTEC - 114	-	-	25.32	-	-	-	-	-	-
20	BISCO - 204	16.96	10.29	27.01	-	-	-	0.35	19.76	9.56
21	P R O - 358	-	11.92	10.63	-	5.50	-	-	9.61	4.49
22	PAC 71007	-	-	35.37	-	-	-	-	8.93	3.00
23	FILLER	-	-	-	-	-	-	-	-	-
24	JKMH - 810	17.54	-	21.94	-	-	-	10.01	23.76	16.54
25	PONNI - 116	-	-	19.60	-	-	-	-	-	-
	CHECKS:									
26	MEGHA	-	-	5.93	-	-	-	-	-	-
27	PEHM - 2	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-
29	X - 3342	-	-	-	-	-	-	-	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342											
		ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	-	5.88	17.69	42.12	-	13.28	-	-	-	33.71	-	0.61
2	KM H - 9	6.71	3.30	15.36	34.52	8.41	13.97	-	-	-	28.60	-	-
3	F H - 3228	-	7.49	12.89	7.09	-	3.13	-	-	-	5.60	-	-
4	J H - 3957	9.94	10.98	33.49	34.38	2.28	19.82	-	-	11.04	17.14	1.22	6.54
5	J H - 3999	2.89	-	10.75	-	6.80	1.51	0.93	5.22	-	13.29	2.76	1.94
6	J H - 31026	1.29	-	26.49	4.30	16.95	10.33	-	-	-	0.67	-	4.54
7	E H - 31008	-	-	-	25.42	2.98	-	-	-	-	5.80	-	-
8	E H - 30964	-	-	-	11.88	-	-	-	-	-	-	-	-
9	HKH - 1176	-	-	-	-	-	-	-	-	-	-	-	-
10	HKH - 1182	-	-	2.45	14.15	-	-	-	-	-	-	-	-
11	HKH - 1219	-	-	-	-	-	-	-	-	-	-	-	-
12	D E H - 10102	-	-	-	5.30	-	-	-	-	-	-	-	-
13	Jh GM - 4	-	-	-	-	10.03	-	-	-	-	12.39	-	-
14	A H - 01411	-	-	11.89	33.36	-	6.25	-	0.63	-	-	-	-
15	A H - 017 077	-	-	-	17.62	13.74	-	-	-	-	-	-	-
16	MCH - 6	19.10	9.97	39.18	20.07	-	17.93	-	-	0.09	39.64	-	6.19
17	X 1150 Z	9.87	-	0.28	6.18	4.09	3.30	0.25	-	-	-	-	1.90
18	X - 2185	12.40	17.35	1.29	66.02	-	16.47	-	-	3.80	-	-	5.94
19	SEEDTEC - 114	-	3.80	12.38	31.86	-	8.33	-	1.72	-	1.73	-	-
20	BISCO - 204	15.22	23.39	26.46	25.20	-	18.29	9.69	-	-	26.66	4.18	9.13
21	P R O - 358	3.15	16.87	18.95	57.58	-	18.69	14.85	-	-	14.79	5.00	7.78
22	PAC 71007	-	9.27	29.23	36.22	0.68	12.94	-	0.74	-	19.14	-	-
23	FILLER	-	14.60	11.74	41.29	7.34	12.55	-	-	2.47	-	-	-
24	JKMH - 810	7.92	38.08	16.26	55.31	-	21.40	-	-	-	73.70	10.60	12.44
25	PONNI - 116	9.32	4.93	26.10	28.07	1.03	15.31	-	-	-	-	-	-
	CHECKS:												
26	MEGHA	-	-	-	21.11	29.33	-	-	-	-	-	-	-
27	PEHM - 2	-	-	-	12.37	0.94	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-	-	-
29	X - 3342	-	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 1 ALMO	DELH	LUDH	KARN	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	53.0	47.7	47.0	46.3	47.0	45.8	48.8	47.3
2	KM H - 9	55.7	48.7	49.3	49.3	49.1	50.8	51.5	51.1
3	F H - 3228	52.0	47.3	47.3	46.7	47.1	46.3	48.5	47.4
4	J H - 3957	53.0	48.7	48.0	46.0	47.6	45.8	50.5	48.1
5	J H - 3999	55.0	50.3	48.5	48.7	49.2	50.8	50.5	50.6
6	J H - 31026	53.3	48.7	49.8	48.7	49.0	48.8	50.5	49.6
7	E H - 31008	51.0	47.3	46.8	45.0	46.4	46.5	46.8	46.6
8	E H - 30964	51.0	45.7	46.8	44.7	45.7	43.8	44.8	44.3
9	HKH - 1176	53.3	48.7	47.3	46.3	47.4	49.3	49.3	49.3
10	HKH - 1182	50.7	44.3	44.8	42.7	43.9	43.3	46.5	44.9
11	HKH - 1219	53.0	46.0	47.5	46.3	46.6	47.5	48.3	47.9
12	D E H - 10102	50.7	44.7	-	45.3	45.0	44.8	46.8	45.8
13	Jh GM - 4	53.7	46.7	47.3	45.7	46.5	47.3	47.8	47.5
14	A H - 01411	54.3	46.0	48.3	47.0	47.1	48.3	51.0	49.6
15	A H - 017 077	53.0	46.3	47.8	46.3	46.8	47.0	47.8	47.4
16	MCH - 6	56.3	50.3	49.3	49.0	49.5	49.0	51.0	50.0
17	X 1150 Z	54.7	47.3	51.5	49.0	49.3	48.8	51.0	49.9
18	X - 2185	54.7	50.0	49.3	48.0	49.1	48.5	48.0	48.3
19	SEEDTEC - 114	52.7	47.0	48.3	47.0	47.4	49.0	48.5	48.8
20	BISCO - 204	54.7	49.0	49.8	47.7	48.8	48.0	49.0	48.5
21	P R O - 358	52.7	45.0	46.3	45.7	45.6	48.0	48.3	48.1
22	PAC 71007	56.0	49.0	50.5	48.0	49.2	48.3	49.5	48.9
23	FILLER	53.0	47.3	48.0	46.3	47.2	49.5	47.5	48.5
24	JKMH - 810	52.3	51.0	49.3	48.7	49.6	49.0	49.5	49.3
25	PONNI - 116	53.7	46.7	46.5	47.0	46.7	47.5	49.0	48.3
	CHECKS:								
26	MEGHA	53.3	48.0	48.0	46.7	47.6	45.5	48.3	46.9
27	P E H M - 2	53.0	46.7	47.5	46.7	46.9	47.5	49.3	48.4
28	MAHI KANCHAN	51.7	48.0	46.5	45.7	46.7	48.0	46.3	47.1
29	X - 3342	52.7	46.0	47.0	47.3	46.8	46.8	49.8	48.3
	MEAN LOCATION	53.2	47.5	48.0	46.8	47.4	47.5	48.8	48.1
	C.D. AT 5%=	1.6	3.2	1.7	1.3	2.0	2.1	2.6	2.3
	C.V. % =	1.8	4.1	2.5	1.7	-	3.1	3.7	-
	F (Prob)	.000	.003	.000	.000	-	.000	.000	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	56.0	56.8	54.8	50.0	52.3	54.0	50.8	39.8	43.0	51.0	46.1	49.5
2	KM H - 9	57.8	57.5	56.8	51.3	55.3	55.7	53.0	41.3	47.3	52.5	48.5	51.8
3	F H - 3228	56.0	56.3	54.5	50.3	53.8	54.2	50.8	37.3	45.8	52.5	46.6	49.7
4	J H - 3957	55.8	57.5	54.8	51.3	54.3	54.7	52.8	37.5	46.3	52.5	47.3	50.3
5	J H - 3999	55.8	57.5	54.8	52.3	53.0	54.7	52.3	39.0	46.5	53.0	47.7	51.2
6	J H - 31026	55.8	57.0	54.5	51.0	54.8	54.6	52.0	41.5	42.0	52.5	47.0	50.7
7	E H - 31008	52.8	55.8	50.8	45.7	48.8	50.7	50.0	39.8	42.3	47.0	44.8	47.7
8	E H - 30964	52.3	55.5	52.3	46.0	50.0	51.2	49.5	40.5	42.3	48.5	45.2	47.6
9	HKH - 1176	55.5	56.3	54.0	51.3	52.3	53.9	52.8	39.0	47.5	51.0	47.6	50.2
10	HKH - 1182	52.0	55.8	53.3	46.0	48.3	51.0	48.8	40.0	40.5	46.5	43.9	46.9
11	HKH - 1219	55.8	56.0	53.8	50.0	52.3	53.5	50.8	40.0	44.8	49.5	46.3	49.4
12	D E H - 10102	53.3	56.3	52.5	45.7	50.3	51.6	48.8	41.3	42.8	49.0	45.4	48.0
13	Jh GM - 4	55.3	57.3	53.5	49.3	53.0	53.7	50.8	39.8	46.3	48.5	46.3	49.5
14	A H - 01411	56.3	56.5	55.0	50.0	53.5	54.3	52.3	37.8	47.3	50.0	46.8	50.2
15	A H - 017 077	55.5	56.5	53.0	48.0	52.0	53.0	51.3	41.0	42.8	50.0	46.3	49.2
16	MCH - 6	57.5	57.3	56.0	53.0	55.3	55.8	53.0	40.0	45.8	53.5	48.1	51.7
17	X 1150 Z	55.0	57.0	53.3	49.7	53.3	53.6	52.8	39.5	45.8	49.0	46.8	50.5
18	X - 2185	55.5	57.0	53.0	50.3	50.8	53.3	51.0	39.5	44.5	50.5	46.4	50.0
19	SEEDTEC - 114	55.3	56.8	53.8	50.0	48.3	52.8	51.8	42.0	43.3	48.0	46.3	49.4
20	BISCO - 204	56.5	57.5	53.0	51.3	53.3	54.3	52.8	41.0	46.3	52.5	48.1	50.8
21	P R O - 358	54.3	57.3	51.8	47.3	51.8	52.5	50.5	39.5	43.5	47.0	45.1	48.6
22	PAC 71007	57.0	57.3	55.0	51.0	53.3	54.7	52.5	40.3	44.3	49.0	46.5	50.7
23	FILLER	55.0	57.5	53.5	49.7	51.0	53.3	50.8	37.0	41.5	51.0	45.1	49.2
24	JKMH - 810	56.0	58.0	54.0	51.7	53.0	54.5	52.0	39.0	48.3	51.0	47.6	50.8
25	PONNI - 116	55.0	57.5	53.5	49.7	49.5	53.0	50.5	40.5	43.5	48.0	45.6	49.2
	CHECKS:												
26	MEGHA	54.5	56.3	53.8	48.3	52.8	53.1	52.5	41.5	45.8	48.5	47.1	49.6
27	P E H M - 2	54.8	56.8	54.0	48.7	56.3	54.1	51.8	40.8	43.5	50.0	46.5	49.8
28	MAHI KANCHAN	53.0	55.5	52.3	45.0	52.5	51.7	49.8	37.0	42.8	46.5	44.0	48.0
29	X - 3342	55.3	57.3	52.3	48.0	51.5	52.8	50.8	40.8	42.0	46.5	45.0	48.9
	MEAN LOCATION	55.2	56.8	53.7	49.4	52.3	53.5	51.3	39.8	44.4	49.8	46.3	49.6
	C.D. AT 5%=	1.1	1.6	1.6	1.6	1.4	1.4	0.9	1.5	3.2	1.7	1.8	-
	C.V. % =	1.4	2.0	2.1	1.9	1.9	-	1.2	2.7	5.2	2.1	-	-
	F (Prob)	.000	.100	.000	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN
1	KM H - 3	54.3	50.3	47.5	48.3	59.0	51.3	51.0	53.3	52.1
2	KM H - 9	56.0	54.3	51.5	51.7	62.3	55.0	53.5	55.8	54.6
3	F H - 3228	53.0	51.0	48.5	48.7	57.0	51.3	50.8	53.3	52.0
4	J H - 3957	53.3	52.0	49.3	48.0	59.0	52.1	50.0	55.0	52.5
5	J H - 3999	56.0	54.0	51.0	50.3	59.0	53.6	54.8	55.3	55.0
6	J H - 31026	54.0	52.7	50.5	50.3	58.0	52.9	53.0	54.8	53.9
7	E H - 31008	51.7	52.0	49.0	47.7	58.3	51.8	51.8	52.0	51.9
8	E H - 30964	52.7	50.3	48.3	46.7	55.0	50.1	49.5	50.5	50.0
9	HKH - 1176	54.3	53.7	50.0	48.0	62.3	53.5	54.3	54.0	54.1
10	HKH - 1182	52.7	46.7	45.3	43.7	54.0	47.4	47.8	52.0	49.9
11	HKH - 1219	55.0	50.3	49.0	48.3	55.0	50.7	51.0	52.0	51.5
12	D E H - 10102	51.3	47.0	-	47.7	58.7	51.1	48.3	51.8	50.0
13	Jh GM - 4	54.7	51.3	50.0	48.3	60.0	52.4	52.5	52.5	52.5
14	A H - 01411	55.3	50.7	50.0	49.7	60.0	52.6	53.3	55.0	54.1
15	A H - 017 077	54.0	50.3	48.5	49.0	60.0	52.0	51.3	53.0	52.1
16	MCH - 6	57.0	54.3	51.0	51.0	58.7	53.8	53.0	55.5	54.3
17	X 1150 Z	54.7	51.3	54.3	51.3	58.7	53.9	52.8	55.3	54.0
18	X - 2185	55.3	54.0	51.0	50.0	60.0	53.8	53.0	52.8	52.9
19	SEEDTEC - 114	53.3	52.0	49.0	49.3	59.0	52.3	52.0	53.3	52.6
20	BISCO - 204	55.3	54.7	51.5	50.0	59.3	53.9	51.0	54.0	52.5
21	P R O - 358	53.0	50.0	47.5	48.0	60.0	51.4	53.0	53.0	53.0
22	PAC 71007	55.7	53.7	52.0	50.3	58.7	53.7	52.3	54.5	53.4
23	FILLER	53.3	52.3	49.5	48.7	59.7	52.5	53.3	51.8	52.5
24	JKMH - 810	53.7	54.3	50.5	50.7	58.0	53.4	52.0	54.3	53.1
25	PONNI - 116	54.3	50.7	47.5	49.3	58.3	51.5	53.0	52.8	52.9
	CHECKS:									
26	MEGHA	54.7	51.7	50.0	49.0	60.0	52.7	49.8	53.0	51.4
27	P E H M - 2	54.0	51.0	49.5	49.0	58.7	52.0	53.5	53.3	53.4
28	MAHI KANCHAN	53.3	52.3	49.0	48.0	59.7	52.3	52.8	51.3	52.0
29	X - 3342	53.7	49.0	49.0	49.3	59.3	51.7	50.5	53.5	52.0
	MEAN LOCATION	54.1	51.7	49.6	49.0	58.8	52.3	51.9	53.4	52.6
	C.D. AT 5%=	1.3	3.7	2.2	1.4	2.1	2.3	2.0	2.4	2.2
	C.V. % =	1.5	4.4	3.2	1.7	2.2	-	2.8	3.1	-
	F (Prob)	.000	.002	.000	.000	.000	-	.000	.000	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	57.5	57.8	55.0	52.0	55.0	55.5	52.8	43.5	46.3	53.3	49.0	52.3
2	KM H - 9	59.8	58.5	58.5	53.0	58.3	57.6	55.0	45.0	51.0	54.3	51.3	54.9
3	F H - 3228	56.0	57.5	54.5	52.0	56.3	55.3	52.8	40.8	50.0	53.0	49.1	52.2
4	J H - 3957	56.0	59.0	54.8	53.3	56.8	56.0	54.8	41.0	50.0	52.7	49.6	52.8
5	J H - 3999	57.3	58.5	55.8	55.7	56.3	56.7	54.3	42.5	51.0	54.0	50.4	54.1
6	J H - 31026	56.0	58.0	54.8	52.7	56.8	55.6	54.0	45.0	46.8	52.0	49.4	53.1
7	E H - 31008	53.8	56.8	52.0	49.0	51.0	52.5	52.0	43.5	46.5	47.7	47.4	50.9
8	E H - 30964	53.5	56.5	53.8	47.7	52.8	52.8	51.5	43.8	45.8	48.7	47.4	50.4
9	HKH - 1176	59.8	57.3	57.3	55.0	55.8	57.0	55.3	42.8	51.5	54.0	50.9	54.1
10	HKH - 1182	52.8	56.8	54.0	48.0	51.0	52.5	50.8	43.5	44.5	47.0	46.4	49.4
11	HKH - 1219	57.8	57.0	55.3	52.0	54.8	55.3	53.0	43.8	49.0	51.7	49.4	52.2
12	D E H - 10102	55.0	57.3	54.0	48.3	52.3	53.4	51.0	44.3	46.0	49.3	47.6	50.8
13	Jh GM - 4	57.0	58.3	56.3	51.3	55.5	55.7	53.3	43.5	50.0	49.0	48.9	52.7
14	A H - 01411	59.0	57.8	56.5	52.3	56.5	56.4	55.0	41.8	51.8	50.3	49.7	53.4
15	A H - 017 077	56.5	57.8	54.3	50.0	54.3	54.5	53.3	44.5	46.3	51.3	48.8	52.1
16	MCH - 6	58.0	58.5	56.5	55.0	57.5	57.1	55.0	43.3	49.5	52.7	50.1	54.2
17	X 1150 Z	56.0	58.3	53.3	51.3	56.3	55.0	55.3	43.0	49.3	51.0	49.6	53.2
18	X - 2185	55.0	58.0	53.8	52.3	52.8	54.4	53.3	42.5	49.8	50.0	48.9	52.7
19	SEEDTEC - 114	56.3	57.8	54.0	51.7	51.0	54.1	54.3	45.5	46.5	49.0	48.8	52.1
20	BISCO - 204	58.8	58.5	55.0	53.7	56.3	56.5	55.3	44.3	49.8	53.0	50.6	53.8
21	P R O - 358	55.3	58.5	52.8	49.3	53.5	53.9	52.8	43.3	46.8	49.0	47.9	51.6
22	PAC 71007	59.3	58.3	56.0	53.3	56.3	56.6	55.3	43.5	49.0	50.3	49.5	53.6
23	FILLER	55.3	58.5	54.8	52.0	53.5	54.8	53.0	40.8	44.8	51.0	47.4	52.0
24	JKMH - 810	57.5	59.3	54.5	54.0	55.8	56.2	54.0	43.0	52.0	51.0	50.0	53.4
25	PONNI - 116	55.5	58.5	53.8	52.3	51.3	54.3	52.5	44.0	47.3	48.7	48.1	51.9
	CHECKS:												
26	MEGHA	57.3	57.3	56.0	51.3	54.5	55.3	55.0	45.0	49.8	50.3	50.0	52.8
27	P E H M - 2	56.5	57.8	55.8	51.7	59.3	56.2	54.5	45.0	47.0	52.0	49.6	53.0
28	MAHI KANCHAN	54.3	56.5	54.0	47.7	55.0	53.5	53.0	40.8	46.5	48.3	47.1	51.4
29	X - 3342	55.8	58.5	53.3	51.0	53.5	54.4	52.8	44.3	45.8	48.7	47.9	51.7
	MEAN LOCATION	56.5	57.9	54.8	51.7	54.8	55.1	53.6	43.3	48.3	50.8	49.0	52.5
	C.D. AT 5%=	1.4	1.7	1.6	1.9	1.6	1.7	1.1	1.4	3.8	2.0	2.1	-
	C.V. % =	1.8	2.1	2.1	2.3	2.1	-	1.5	2.3	5.6	2.4	-	-
	F (Prob)	.000	.083	.000	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 1 ALMO	ZN 2 LUDH	VARA	AMBI	ZN 3 MEAN	BANG MONS	MAND	COIM	ZN 4 MEAN
1	KM H - 3	108.3	83.3	84.5	94.8	89.6	109.0	88.3	96.3	97.9
2	KM H - 9	116.7	87.5	88.3	96.5	92.4	109.0	89.3	97.5	98.6
3	F H - 3228	97.7	79.0	85.8	95.8	90.8	107.5	86.7	96.5	96.9
4	J H - 3957	102.0	87.0	84.0	96.5	90.3	110.3	86.7	97.0	98.0
5	J H - 3999	102.7	85.5	86.8	94.8	90.8	109.5	88.3	97.3	98.4
6	J H - 31026	101.0	84.3	82.5	96.8	89.6	109.3	89.3	97.8	98.8
7	E H - 31008	97.3	81.3	82.3	96.0	89.1	107.5	88.0	92.8	96.1
8	E H - 30964	98.3	79.8	81.0	96.5	88.8	106.5	85.0	94.5	95.3
9	HKH - 1176	101.7	82.5	81.8	96.8	89.3	108.3	87.7	97.5	97.8
10	HKH - 1182	109.0	83.8	87.0	95.5	91.3	106.3	89.0	93.3	96.2
11	HKH - 1219	102.0	77.5	78.8	96.3	87.5	107.5	88.0	96.5	97.3
12	D E H - 10102	95.0	-	80.5	97.3	88.9	107.0	86.7	93.0	95.6
13	Jh GM - 4	98.0	84.0	81.8	97.8	89.8	110.0	87.0	96.0	97.7
14	A H - 01411	111.0	84.8	87.8	96.5	92.1	107.8	90.3	97.5	98.5
15	A H - 017 077	99.7	82.8	84.5	96.5	90.5	108.3	86.3	94.8	96.4
16	MCH - 6	113.7	88.5	88.3	95.8	92.0	110.5	91.3	98.0	99.9
17	X 1150 Z	99.3	82.3	79.5	94.8	87.1	109.3	84.0	97.5	96.9
18	X - 2185	112.7	84.5	88.0	97.3	92.6	108.5	89.0	95.0	97.5
19	SEEDTEC - 114	102.3	83.5	85.8	97.3	91.5	109.0	89.7	92.8	97.1
20	BISCO - 204	109.3	85.8	82.8	96.0	89.4	109.5	91.7	97.0	99.4
21	P R O - 358	108.0	82.8	86.0	96.5	91.3	108.3	89.3	94.0	97.2
22	PAC 71007	103.3	85.5	87.0	97.3	92.1	110.0	88.3	97.5	98.6
23	FILLER	102.7	83.5	85.5	96.3	90.9	109.8	90.7	95.5	98.6
24	JKMH - 810	105.0	84.5	86.5	95.5	91.0	110.3	90.7	97.0	99.3
25	PONNI - 116	105.7	81.8	87.8	95.5	91.6	109.5	91.7	92.8	98.0
	CHECKS:									
26	MEGHA	102.7	84.0	86.0	96.5	91.3	107.8	87.3	95.0	96.7
27	P E H M - 2	106.0	84.5	87.0	96.3	91.6	107.8	89.3	102.0	99.7
28	MAHI KANCHAN	100.0	81.8	85.8	98.8	92.3	106.5	86.0	96.8	96.4
29	X - 3342	99.3	80.8	80.3	96.8	88.5	108.8	87.3	95.3	97.1
	MEAN LOCATION	103.8	83.4	84.6	96.4	90.5	108.6	88.4	96.0	97.7
	C.D. AT 5%=	2.3	3.1	2.2	2.4	2.3	2.6	3.7	1.7	2.7
	C.V. % =	1.4	2.6	1.9	1.8	-	1.7	2.6	1.2	-
	F (Prob)	.000	.000	.000	.369	-	.031	.007	.000	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK						MOISTURE % AT HARVEST					
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	KM H - 3	83.8	71.0	70.0	88.0	78.2	88.8	34.8	28.1	23.0	13.1	34.4	24.7
2	KM H - 9	86.8	72.5	73.5	90.0	80.7	91.6	36.3	30.2	23.0	14.1	37.7	26.2
3	F H - 3228	83.0	70.0	73.5	87.5	78.5	87.5	31.0	24.5	22.0	12.9	31.2	22.7
4	J H - 3957	86.3	71.0	73.0	88.5	79.7	89.3	33.5	28.5	22.6	13.1	35.1	24.8
5	J H - 3999	85.3	72.0	72.3	88.5	79.5	89.3	34.4	27.4	22.7	14.4	34.7	24.8
6	J H - 31026	84.5	73.0	74.5	87.0	79.8	89.1	31.4	23.8	22.4	15.2	36.1	24.4
7	E H - 31008	84.0	71.0	73.3	86.0	78.6	87.2	32.5	24.7	22.5	12.4	33.8	23.3
8	E H - 30964	83.3	70.8	73.0	85.5	78.1	86.7	35.3	22.5	21.9	13.4	29.2	21.7
9	HKH - 1176	85.0	72.5	76.0	86.0	79.9	88.7	29.6	28.0	22.5	13.1	33.3	24.2
10	HKH - 1182	83.8	70.8	72.5	84.5	77.9	88.7	33.7	27.7	22.8	12.1	32.3	23.7
11	HKH - 1219	83.3	72.0	75.0	84.0	78.6	87.3	32.8	25.7	21.3	13.1	28.0	22.0
12	D E H - 10102	81.8	72.0	71.8	84.5	77.5	86.9	31.3	23.7	-	13.0	35.3	24.0
13	Jh GM - 4	83.5	72.3	73.8	86.5	79.0	88.2	31.6	23.4	22.1	12.9	38.1	24.1
14	A H - 01411	85.3	70.8	74.0	87.0	79.3	90.2	33.2	24.0	23.8	13.0	33.2	23.5
15	A H - 017 077	84.0	73.0	70.5	86.5	78.5	87.9	31.0	25.2	22.3	13.0	36.4	24.2
16	MCH - 6	86.5	71.3	74.5	90.0	80.6	91.7	32.9	23.8	22.8	13.6	39.7	24.9
17	X 1150 Z	83.5	71.0	76.0	86.5	79.3	87.6	29.0	22.7	22.0	13.3	28.4	21.6
18	X - 2185	84.8	73.0	76.0	84.5	79.6	90.3	35.3	26.0	22.8	13.9	33.6	24.1
19	SEEDTEC - 114	84.0	72.5	71.3	86.0	78.4	88.5	34.7	26.3	22.3	13.3	35.5	24.3
20	BISCO - 204	86.8	72.0	74.8	89.0	80.6	90.4	35.4	23.1	22.8	13.5	36.6	24.0
21	P R O - 358	85.0	70.3	71.0	86.5	78.2	88.9	31.8	26.1	22.3	13.3	37.5	24.8
22	PAC 71007	85.8	72.3	73.8	88.0	79.9	89.9	35.6	25.3	22.5	13.2	37.9	24.7
23	FILLER	84.8	72.0	71.5	87.0	78.8	89.0	34.2	24.4	22.2	13.4	34.2	23.5
24	JKMH - 810	84.5	71.5	76.0	88.0	80.0	89.9	35.3	29.0	22.8	13.9	35.9	25.4
25	PONNI - 116	84.3	71.5	71.8	86.5	78.5	89.0	33.0	25.2	22.0	13.6	31.6	23.1
	CHECKS:												
26	MEGHA	85.3	73.8	72.5	85.0	79.1	88.7	31.6	27.2	22.9	13.0	38.2	25.3
27	P E H M - 2	85.8	73.5	72.5	86.0	79.4	90.1	32.9	28.1	22.3	13.1	32.7	24.1
28	MAHI KANCHAN	83.3	72.0	72.5	84.0	77.9	87.9	31.2	20.1	21.9	12.8	33.5	22.1
29	X - 3342	84.8	71.5	71.8	88.0	79.0	87.7	29.5	24.3	22.0	13.3	33.5	23.2
	MEAN LOCATION	84.6	71.8	73.2	86.7	79.1	88.9	32.9	25.5	22.4	13.3	34.4	23.9
	C.D. AT 5%=	1.1	2.2	2.2	1.4	1.7	-	2.2	3.0	0.5	0.3	3.2	1.8
	C.V. % =	0.9	2.2	2.2	1.0	-	-	4.0	7.2	1.6	1.4	5.8	-
	F (Prob)	.000	.094	.000	.000	-	-	.000	.000	.000	.000	.000	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ZN 3 VARA	ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	30.7	23.1	24.3	26.2	19.4	15.9	21.8	11.9	16.4	15.8	17.1	15.3	22.3
2	KM H - 9	34.3	22.6	25.2	28.0	19.2	16.0	22.2	12.7	16.3	15.7	19.8	16.1	23.4
3	F H - 3228	28.3	21.6	22.2	23.9	19.4	16.0	20.6	12.8	16.3	15.6	18.7	15.8	21.1
4	J H - 3957	31.7	21.4	22.4	27.1	18.5	15.9	21.0	12.3	16.9	15.3	18.9	15.9	22.2
5	J H - 3999	32.8	23.9	22.9	26.4	19.4	16.3	21.8	13.4	16.7	15.6	18.5	16.1	22.6
6	J H - 31026	31.6	21.9	20.9	24.8	19.3	16.1	20.6	12.1	16.7	15.6	16.8	15.3	21.6
7	E H - 31008	29.4	18.2	20.4	24.6	19.2	16.4	19.8	13.6	16.5	15.6	15.7	15.3	21.0
8	E H - 30964	26.1	20.0	19.5	25.9	19.1	15.4	20.0	12.7	17.9	15.6	15.7	15.5	20.7
9	HKH - 1176	34.8	19.3	20.6	26.2	20.5	16.6	20.6	12.7	16.3	15.4	18.1	15.6	21.8
10	HKH - 1182	29.7	19.7	21.9	25.5	20.7	15.3	20.6	12.9	16.4	15.6	17.7	15.7	21.6
11	HKH - 1219	30.9	18.3	21.2	26.7	19.2	15.4	20.2	12.8	16.3	15.7	17.2	15.5	21.0
12	D E H - 10102	30.0	21.1	23.0	26.0	19.1	16.3	21.1	11.4	16.5	15.6	16.5	15.0	21.3
13	Jh GM - 4	30.7	17.8	22.3	25.1	18.3	15.9	19.9	12.3	16.3	15.5	15.8	15.0	21.2
14	A H - 01411	32.5	23.0	23.8	26.6	19.4	16.2	21.8	13.2	16.8	15.4	17.0	15.6	22.1
15	A H - 017 077	30.4	19.0	20.4	24.5	18.0	15.9	19.6	12.6	17.0	15.3	18.6	15.9	21.3
16	MCH - 6	32.5	23.7	24.3	28.2	19.5	16.1	22.4	14.8	16.4	15.6	17.9	16.2	22.8
17	X 1150 Z	27.7	18.8	19.0	23.5	21.2	16.3	19.8	12.4	16.5	15.5	17.8	15.6	20.3
18	X - 2185	33.5	22.5	22.3	27.1	18.6	15.6	21.2	12.3	17.3	15.3	17.3	15.5	22.2
19	SEEDTEC - 114	30.6	21.1	23.4	27.4	19.8	15.9	21.5	13.3	16.4	15.4	17.5	15.6	22.2
20	BISCO - 204	35.2	22.1	23.1	26.7	18.6	15.8	21.3	13.3	16.9	15.3	16.9	15.6	22.4
21	P R O - 358	31.4	19.5	21.9	25.5	20.7	16.1	20.7	12.9	16.4	15.3	17.2	15.4	21.9
22	PAC 71007	29.5	22.0	23.1	28.3	20.1	16.6	22.0	12.0	15.6	15.3	16.7	14.9	22.2
23	FILLER	31.8	22.1	22.8	26.9	20.1	16.5	21.7	11.8	16.6	15.4	16.9	15.1	21.9
24	JKMH - 810	35.5	21.8	22.0	26.4	19.7	15.9	21.2	12.4	16.8	15.2	17.0	15.3	22.6
25	PONNI - 116	30.9	21.1	24.2	27.2	19.2	15.6	21.5	12.7	16.7	15.4	17.2	15.5	21.7
	CHECKS:													
26	MEGHA	29.3	20.7	22.0	26.1	19.5	15.9	20.8	12.4	17.0	15.4	16.8	15.4	21.9
27	P E H M - 2	30.8	21.9	20.5	24.9	19.8	15.5	20.5	13.6	16.0	15.6	17.0	15.6	21.7
28	MAHI KANCHAN	28.9	18.1	19.5	25.5	19.3	16.1	19.7	11.9	16.5	15.5	15.8	14.9	20.4
29	X - 3342	31.0	21.6	22.3	25.9	20.2	15.9	21.2	13.2	16.5	15.4	17.3	15.6	21.4
	MEAN LOCATION	31.1	21.0	22.1	26.1	19.5	16.0	20.9	12.7	16.6	15.5	17.3	15.5	21.8
	C.D. AT 5%=	0.6	1.7	1.9	1.8	2.9	0.7	1.8	0.2	0.8	0.6	0.8	0.6	-
	C.V. % =	1.4	5.8	6.0	4.9	9.1	3.3	-	1.2	3.4	2.8	3.0	-	-
	F (Prob)	.000	.000	.000	.000	.970	.032	-	.000	.005	.980	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	PLANT ASPECCT * ZN 1 ALMO	ZN 2 DELH	ZN 3 VARA	ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	2.5	2.5	2.3	2.0	1.7	2.0	1.9	2.0	2.0	2.9	1.3	2.0	2.1
2	KM H - 9	2.6	2.3	2.8	2.0	2.3	2.3	2.2	1.5	2.6	2.5	1.8	2.1	2.3
3	F H - 3228	2.5	2.5	2.3	2.0	1.3	1.5	1.6	2.4	2.1	2.8	2.0	2.3	2.1
4	J H - 3957	2.5	2.0	1.5	2.5	2.3	1.5	2.1	1.8	2.0	2.3	1.8	1.9	2.0
5	J H - 3999	2.6	2.0	1.5	2.0	3.3	1.8	2.4	1.9	2.5	2.0	2.0	2.1	2.2
6	J H - 31026	2.5	2.0	2.0	2.0	2.3	1.8	2.0	2.0	2.0	3.0	2.0	2.3	2.2
7	E H - 31008	2.5	2.5	3.3	3.0	2.3	2.3	2.5	2.3	2.5	2.0	1.8	2.1	2.4
8	E H - 30964	2.7	2.8	3.0	2.8	2.0	2.3	2.3	2.1	2.5	2.9	2.0	2.4	2.5
9	HKH - 1176	2.8	2.5	2.5	3.0	2.3	2.0	2.4	2.0	2.1	3.4	1.8	2.3	2.4
10	HKH - 1182	2.7	2.0	1.8	2.5	2.7	2.0	2.4	2.0	2.0	2.9	2.0	2.2	2.2
11	HKH - 1219	2.9	2.5	2.3	2.8	3.0	2.0	2.6	2.5	2.1	3.5	2.0	2.5	2.5
12	D E H - 10102	2.9	2.5	2.8	3.0	3.0	2.0	2.7	2.6	2.1	3.1	1.8	2.4	2.6
13	Jh GM - 4	2.9	2.5	2.8	3.0	2.3	2.0	2.4	2.5	2.1	2.6	1.5	2.2	2.4
14	A H - 01411	2.5	2.5	2.3	2.3	2.0	2.3	2.2	2.1	2.0	2.8	2.0	2.2	2.3
15	A H - 017 077	2.5	2.5	2.5	3.0	3.0	2.0	2.7	2.6	2.0	2.8	1.8	2.3	2.5
16	MCH - 6	2.5	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.5	2.5	1.8	2.2	2.2
17	X 1150 Z	2.5	2.3	1.5	2.5	2.0	1.8	2.1	2.0	2.4	2.1	2.0	2.1	2.1
18	X - 2185	2.4	2.5	1.5	2.0	2.0	2.3	2.1	1.8	2.1	2.1	1.8	1.9	2.0
19	SEEDTEC - 114	2.4	2.8	2.0	2.3	2.0	2.0	2.1	2.3	2.4	2.4	2.0	2.3	2.2
20	BISCO - 204	2.4	2.3	2.0	2.0	1.0	2.0	1.7	1.5	2.3	2.0	1.8	1.9	1.9
21	P R O - 358	2.4	2.5	2.8	2.3	2.0	1.8	2.0	1.6	2.3	2.4	1.8	2.0	2.2
22	PAC 71007	2.4	2.5	2.8	2.3	1.3	2.3	1.9	1.9	2.0	2.0	1.8	1.9	2.1
23	FILLER	2.4	2.5	1.5	2.3	2.3	2.0	2.2	2.1	2.5	2.1	2.0	2.2	2.2
24	JKMH - 810	2.1	2.3	1.5	2.3	1.7	1.8	1.9	1.9	2.4	2.5	1.8	2.1	2.0
25	PONNI - 116	2.6	2.5	1.3	2.0	1.3	1.8	1.7	1.5	2.5	2.5	2.0	2.1	2.0
	CHECKS:													
26	MEGHA	2.7	2.8	2.3	3.0	2.7	2.3	2.6	2.3	2.3	2.6	2.0	2.3	2.5
27	P E H M - 2	2.6	2.5	1.8	2.5	2.7	2.5	2.6	2.0	2.4	2.1	2.0	2.1	2.3
28	MAHI KANCHAN	2.9	2.5	3.3	3.0	2.7	2.5	2.7	2.5	2.4	3.3	2.0	2.5	2.7
29	X - 3342	2.5	2.5	1.8	2.5	2.0	1.5	2.0	2.1	2.4	2.8	1.8	2.3	2.2
	MEAN LOCATION	2.6	2.4	2.2	2.4	2.2	2.0	2.2	2.1	2.3	2.6	1.8	2.2	2.3
	C.D. AT 5%=	0.2	0.2	0.2	0.2	0.9	0.6	0.6	0.4	0.4	0.3	0.3	0.3	-
	C.V. % =	4.5	5.5	6.7	5.4	24.6	23.0	-	14.2	11.5	8.7	9.4	-	-
	F (Prob)	.000	.000	.000	.000	.000	.120	-	.000	.001	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ZN 1 ALMO	ZN 2 DELH	ZN 3 VARA	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	2.5	2.3	2.3	2.3	1.8	2.7	1.8	2.1	2.5	2.0	2.5	1.0	2.0	2.1
2	KM H - 9	2.7	2.5	3.0	2.5	1.8	2.0	1.8	2.0	2.3	2.3	2.6	1.3	2.1	2.2
3	F H - 3228	2.5	2.3	1.5	2.0	1.5	2.3	2.3	2.0	2.8	2.0	2.3	1.5	2.1	2.1
4	J H - 3957	2.5	2.3	1.8	2.5	1.0	2.0	1.8	1.8	2.3	2.3	1.9	1.3	1.9	2.0
5	J H - 3999	2.5	1.8	1.3	2.0	1.5	2.7	1.5	1.9	2.3	2.4	1.9	1.3	1.9	1.9
6	J H - 31026	2.5	2.0	1.8	2.0	1.3	2.0	1.3	1.6	2.4	2.3	1.8	1.0	1.8	1.8
7	E H - 31008	2.5	2.3	3.0	3.0	1.8	2.7	2.3	2.4	2.8	2.3	3.1	1.8	2.5	2.5
8	E H - 30964	2.7	2.7	2.8	3.0	2.8	3.0	2.0	2.7	2.8	2.1	3.5	1.8	2.5	2.6
9	HKH - 1176	2.7	2.5	2.0	3.3	2.0	4.0	1.8	2.8	3.5	2.0	3.3	1.8	2.6	2.6
10	HKH - 1182	2.7	2.5	3.0	3.0	2.0	3.0	1.5	2.4	2.5	2.1	2.8	1.8	2.3	2.4
11	HKH - 1219	2.7	2.8	2.3	2.8	2.5	3.7	1.8	2.7	3.3	2.0	3.1	1.8	2.5	2.6
12	D E H - 10102	2.7	2.5	1.5	2.8	1.8	3.7	1.5	2.4	3.1	2.1	2.5	1.3	2.3	2.3
13	Jh GM - 4	2.7	2.7	3.5	2.5	2.0	3.0	1.8	2.3	2.5	2.0	2.5	1.5	2.1	2.4
14	A H - 01411	2.5	2.5	1.8	2.5	1.8	2.0	2.5	2.2	2.8	2.3	2.1	2.0	2.3	2.2
15	A H - 017 077	2.4	2.5	2.8	2.5	1.5	3.0	2.0	2.3	2.4	2.1	2.5	1.5	2.1	2.3
16	MCH - 6	2.5	2.5	1.8	2.0	1.0	2.3	2.5	2.0	2.3	2.1	1.6	1.0	1.8	2.0
17	X 1150 Z	2.5	2.0	1.3	2.5	1.3	3.0	1.3	2.0	2.3	2.4	2.0	1.0	1.9	1.9
18	X - 2185	2.4	2.5	2.3	2.3	1.5	2.0	2.3	2.0	2.1	2.1	2.5	1.8	2.1	2.1
19	SEEDTEC - 114	2.4	2.5	1.8	2.3	1.3	2.3	1.3	1.8	2.5	2.3	2.4	1.0	2.0	2.0
20	BISCO - 204	2.1	2.2	1.3	2.0	1.3	2.0	3.0	2.1	1.9	2.8	2.9	1.5	2.3	2.1
21	P R O - 358	2.4	2.3	2.0	3.0	1.3	1.7	2.5	2.1	2.1	2.4	3.4	1.5	2.3	2.2
22	PAC 71007	2.3	2.3	2.0	2.3	1.0	2.0	1.8	1.8	2.3	2.0	1.9	1.3	1.8	1.9
23	FILLER	2.4	2.3	1.3	2.5	1.0	1.7	2.0	1.8	2.3	2.4	2.1	1.5	2.1	1.9
24	JKMH - 810	2.1	1.8	1.5	2.0	1.0	2.0	3.0	2.0	2.4	2.1	3.0	1.5	2.3	2.0
25	PONNI - 116	2.5	2.3	1.8	2.3	1.0	2.7	1.3	1.8	2.5	2.0	2.5	1.3	2.1	2.0
	CHECKS:														
26	MEGHA	2.8	2.5	2.5	3.0	1.8	3.0	1.5	2.3	3.1	2.0	2.1	1.8	2.3	2.4
27	P E H M - 2	2.6	2.3	2.3	2.3	1.8	2.7	1.8	2.1	2.6	2.1	2.5	1.5	2.2	2.2
28	MAHI KANCHAN	2.7	2.3	3.0	2.5	2.3	3.0	1.8	2.4	2.9	2.3	2.5	1.5	2.3	2.4
29	X - 3342	2.4	2.2	2.0	2.8	1.3	3.3	1.8	2.3	2.1	2.0	1.8	1.8	1.9	2.1
	MEAN LOCATION	2.5	2.4	2.1	2.5	1.6	2.6	1.9	2.1	2.5	2.2	2.5	1.4	2.2	2.2
	C.D. AT 5%=	0.2	0.3	0.2	0.2	0.6	1.0	0.8	0.7	0.5	0.4	0.4	0.3	0.4	-
	C.V. % =	4.7	8.3	7.3	6.6	28.6	23.2	29.4	-	13.5	12.4	12.9	13.0	-	-
	F (Prob)	.000	.000	.000	.000	.000	.000	.000	-	.000	.049	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ZN 1 ALMO	ZN 3 VARA	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	1.6	2.0	2.0	1.5	1.7	1.8	1.7	1.9	1.6	2.6	1.0	1.8	1.8
2	KM H - 9	1.8	2.0	2.0	1.0	2.7	1.5	1.8	1.9	2.5	2.8	1.0	2.0	1.9
3	F H - 3228	2.2	2.0	2.5	1.8	1.7	1.8	1.9	2.1	2.0	2.6	1.0	1.9	2.0
4	J H - 3957	1.5	1.3	2.3	1.0	2.0	1.8	1.8	1.8	2.1	2.4	1.0	1.8	1.7
5	J H - 3999	1.7	1.0	2.0	1.0	2.3	2.5	2.0	1.8	2.3	2.3	1.0	1.8	1.8
6	J H - 31026	1.5	2.5	2.3	1.3	2.3	2.0	2.0	2.4	1.9	2.3	1.0	1.9	1.9
7	E H - 31008	1.7	2.5	2.5	1.5	2.0	1.8	1.9	2.1	2.1	2.1	1.0	1.8	1.9
8	E H - 30964	2.2	1.8	3.0	1.3	2.0	2.5	2.2	2.1	2.4	3.0	1.0	2.1	2.1
9	HKH - 1176	3.0	1.8	3.5	1.3	3.0	2.5	2.6	3.6	2.1	3.8	2.5	3.0	2.7
10	HKH - 1182	2.7	2.8	3.0	1.8	2.7	2.5	2.5	2.6	2.1	3.8	1.0	2.4	2.5
11	HKH - 1219	2.9	2.0	3.3	1.0	3.0	1.8	2.3	3.6	2.0	3.8	1.5	2.7	2.5
12	D E H - 10102	1.7	1.8	2.8	1.8	2.3	2.0	2.2	2.5	2.4	2.8	1.0	2.2	2.1
13	Jh GM - 4	1.7	3.0	2.5	1.0	2.3	2.3	2.0	2.3	2.1	2.8	1.0	2.0	2.1
14	A H - 01411.	1.7	1.5	2.5	1.5	2.0	1.8	1.9	1.6	2.1	2.6	1.0	1.8	1.8
15	A H - 017 077	1.9	2.3	2.8	1.5	2.3	2.5	2.3	2.4	2.1	2.9	1.5	2.2	2.2
16	MCH - 6	1.7	1.5	3.0	1.0	2.3	1.5	2.0	2.0	2.4	2.6	1.0	2.0	1.9
17	X 1150 Z	1.5	2.3	2.0	1.0	2.0	2.0	1.8	1.6	2.3	3.3	1.0	2.0	1.9
18	X - 2185	1.5	1.5	1.8	1.0	2.0	2.3	1.8	1.8	2.3	2.3	1.0	1.8	1.7
19	SEEDTEC - 114	1.7	1.5	1.8	1.8	2.0	2.8	2.1	2.0	2.0	2.0	1.0	1.8	1.8
20	BISCO - 204	1.7	1.5	2.3	1.5	1.0	2.0	1.7	1.8	2.6	2.3	1.0	1.9	1.8
21	P R O - 358	1.5	2.3	2.0	1.0	2.0	2.0	1.8	1.5	2.4	3.8	1.0	2.2	1.9
22	PAC 71007	1.5	2.0	2.0	1.0	2.0	2.3	1.8	2.0	1.8	2.7	1.0	1.9	1.8
23	FILLER	1.5	1.8	2.5	1.0	2.0	1.8	1.8	2.0	2.3	2.0	1.0	1.8	1.8
24	JKMH - 810	1.5	1.3	1.8	1.0	1.3	2.0	1.5	1.9	2.1	2.5	1.0	1.9	1.6
25	PONNI - 116	1.8	1.0	2.3	1.5	2.0	2.0	1.9	1.6	2.4	2.5	1.0	1.9	1.8
	CHECKS:													
26	MEGHA	1.6	2.3	3.0	1.3	2.3	1.3	2.0	2.0	2.5	2.8	1.0	2.1	2.0
27	P E H M - 2	2.1	1.5	2.3	1.0	2.3	1.8	1.8	1.9	2.4	2.9	1.0	2.0	1.9
28	MAHI KANCHAN	2.1	2.8	3.0	1.5	2.3	1.8	2.1	2.3	2.3	2.8	1.0	2.1	2.2
29	X - 3342	1.8	2.0	2.3	1.3	1.7	1.8	1.7	1.9	2.1	2.9	1.0	2.0	1.9
	MEAN LOCATION	1.8	1.9	2.4	1.3	2.1	2.0	2.0	2.1	2.2	2.7	1.1	2.0	2.0
	C.D. AT 5%=	0.3	0.2	0.3	0.6	0.7	0.7	0.6	0.4	0.4	0.4	0.3	0.4	-
	C.V. % =	10.2	7.0	8.2	35.2	20.1	26.7	-	13.3	12.5	9.5	15.0	-	-
	F (Prob)	.000	.000	.000	.051	.000	.016	-	.000	.000	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ZN 1 ALMO	ZN 3 VARA	ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	2.6	1.5	1.8	1.3	2.0	1.7	2.1	2.0	2.6	1.0	1.9	1.9
2	KM H - 9	2.6	2.3	2.0	2.3	2.0	2.1	2.3	2.4	2.6	1.3	2.1	2.2
3	F H - 3228	2.1	1.3	1.5	1.7	1.8	1.6	2.4	2.3	2.5	1.3	2.1	1.8
4	J H - 3957	2.7	1.5	2.3	2.3	2.3	2.3	2.3	1.9	2.0	1.0	1.8	2.0
5	J H - 3999	2.8	1.0	2.0	2.7	2.5	2.4	2.1	2.3	2.1	1.0	1.9	2.1
6	J H - 31026	2.7	2.0	2.0	2.7	2.3	2.3	2.5	2.3	2.8	1.3	2.2	2.3
7	E H - 31008	2.8	2.3	3.0	3.0	2.5	2.8	2.6	2.0	2.4	1.3	2.1	2.4
8	E H - 30964	2.6	2.0	2.5	2.3	2.0	2.3	2.6	2.3	2.5	1.5	2.2	2.3
9	HKH - 1176	2.7	2.5	2.0	2.3	2.5	2.3	2.1	2.3	2.8	1.5	2.2	2.3
10	HKH - 1182	2.4	1.8	1.8	2.3	2.3	2.1	1.8	2.1	2.8	1.3	2.0	2.0
11	HKH - 1219	2.5	1.5	2.0	3.0	2.3	2.4	2.5	2.3	3.5	1.3	2.4	2.3
12	D E H - 10102	2.6	1.3	3.0	2.3	2.0	2.4	2.4	2.4	2.8	1.8	2.3	2.3
13	Jh GM - 4	3.0	3.3	3.0	2.3	2.3	2.5	2.5	2.1	2.9	1.3	2.2	2.5
14	A H - 01411	2.7	1.5	2.5	2.3	1.8	2.2	2.5	2.3	2.8	1.5	2.3	2.2
15	A H - 017 077	2.8	2.0	3.0	3.0	2.0	2.7	2.5	2.1	2.8	1.5	2.2	2.4
16	MCH - 6	2.6	1.0	1.8	1.7	2.3	1.9	2.3	2.3	2.0	1.5	2.0	1.9
17	X 1150 Z	2.8	1.5	2.0	2.0	2.3	2.1	1.9	2.1	2.1	1.8	2.0	2.0
18	X - 2185	2.5	1.3	2.0	2.3	2.0	2.1	2.1	2.0	2.1	1.5	1.9	2.0
19	SEEDTEC - 114	2.4	2.0	2.3	2.7	1.8	2.2	2.4	2.3	2.4	1.3	2.1	2.2
20	BISCO - 204	2.5	1.3	2.3	1.3	2.0	1.9	2.1	2.5	2.1	1.5	2.1	2.0
21	P R O - 358	2.5	1.5	2.0	2.3	2.3	2.2	1.8	2.5	2.5	1.0	1.9	2.0
22	PAC 71007	2.8	1.3	2.0	2.0	2.8	2.3	2.4	1.8	2.0	1.3	1.8	2.0
23	FILLER	2.5	1.5	2.0	2.0	2.8	2.3	2.6	2.0	2.3	1.3	2.0	2.1
24	JKMH - 810	2.3	1.3	2.0	2.0	1.8	1.9	2.1	2.3	2.1	1.0	1.9	1.9
25	PONNI - 116	2.5	1.5	2.5	1.3	3.0	2.3	2.1	2.3	3.0	1.3	2.2	2.2
	CHECKS:												
26	MEGHA	3.0	2.0	2.5	3.0	2.3	2.6	2.5	2.3	2.8	1.8	2.3	2.4
27	P E H M - 2	2.8	2.0	2.5	3.0	2.3	2.6	2.3	2.4	2.1	1.5	2.1	2.3
28	MAHI KANCHAN	2.8	3.0	3.0	3.0	2.0	2.7	2.5	2.3	3.0	1.5	2.3	2.6
29	X - 3342	2.5	1.8	2.5	2.7	2.0	2.4	2.3	2.1	2.8	1.5	2.2	2.2
	MEAN LOCATION	2.6	1.7	2.3	2.3	2.2	2.3	2.3	2.2	2.5	1.3	2.1	2.2
	C.D. AT 5%=	0.2	0.2	0.2	1.0	0.7	0.6	0.3	0.4	0.4	0.3	0.3	-
	C.V. % =	5.4	6.4	7.2	26.0	23.7	-	10.4	12.4	10.1	13.1	-	-
	F (Prob)	.000	.000	.000	.006	.105	-	.000	.068	.000	.000	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 ALMO	LUDH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN
1	KM H - 3	230	139	185	180	168	153	212	183	181	233	175	169	190
2	KM H - 9	266	163	202	179	181	182	221	202	183	241	186	175	196
3	F H - 3228	242	151	183	183	173	170	220	195	169	240	176	175	190
4	J H - 3957	254	155	198	175	176	185	208	196	165	246	169	165	186
5	J H - 3999	256	168	205	183	185	185	213	199	170	232	167	171	185
6	J H - 31026	246	143	195	172	170	185	202	193	163	217	160	157	174
7	E H - 31008	267	164	200	190	185	189	216	202	193	241	175	180	197
8	E H - 30964	233	145	182	171	166	204	193	198	173	223	169	161	181
9	HKH - 1176	224	143	163	168	158	169	209	189	164	221	150	166	175
10	HKH - 1182	202	123	168	164	152	183	204	193	150	221	163	155	172
11	HKH - 1219	223	128	173	175	159	170	200	185	156	217	165	168	176
12	D E H - 10102	243	-	167	177	172	204	205	205	151	220	158	161	173
13	Jh GM - 4	274	144	210	209	187	199	223	211	198	236	178	190	200
14	A H - 01411.	240	134	190	162	162	202	212	207	159	228	165	161	178
15	A H - 017 077	252	145	187	179	170	174	210	192	169	216	173	156	178
16	MCH - 6	255	143	172	159	158	183	207	195	165	236	176	163	185
17	X 1150 Z	266	148	197	213	186	194	218	206	174	232	159	172	184
18	X - 2185	221	148	195	193	179	205	215	210	164	233	184	165	186
19	SEEDTEC - 114	258	148	190	187	175	178	208	193	169	234	170	162	183
20	BISCO - 204	261	154	185	192	177	194	220	207	171	240	180	179	192
21	P R O - 358	251	159	193	187	180	203	215	209	166	221	168	166	180
22	PAC 71007	256	161	200	178	180	213	223	218	174	232	173	173	188
23	FILLER	241	138	185	172	165	194	202	198	151	225	167	173	179
24	JKMH - 810	231	131	155	189	158	200	210	205	158	233	184	143	180
25	PONNI - 116	232	150	175	175	167	195	206	200	169	232	168	165	183
	CHECKS:													
26	MEGHA	264	175	193	211	193	190	225	207	209	248	181	195	208
27	P E H M - 2	238	133	202	194	176	184	209	197	178	235	181	165	190
28	MAHI KANCHAN	229	149	183	168	167	161	208	184	156	238	161	165	180
29	X - 3342	252	150	205	196	184	203	212	207	189	230	152	169	185
	MEAN LOCATION	245	147	188	182	172	188	211	199	170	231	170	168	185
	C.D. AT 5%=	8.1	19.3	12.9	27.8	20.0	1.8	10.7	6.3	27.6	18.3	18.1	8.8	18.2
	C.V. % =	2.0	9.3	4.2	9.3	-	0.7	3.6	-	11.5	5.6	6.5	3.7	-
	F (Prob)	.000	.000	.000	.013	-	.000	.000	-	.007	.020	.006	.000	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	EAR HEIGHT (cm) ZN 1 ALMO	LUDH	KARN	PANT	ZN 2 MEAN
1	KM H - 3	228	173	151	140	173	182	118	73	97	74	81
2	KM H - 9	230	141	176	158	176	193	134	89	100	69	86
3	F H - 3228	239	154	156	145	173	186	116	78	87	70	78
4	J H - 3957	228	154	160	147	172	186	132	75	90	76	80
5	J H - 3999	228	138	171	150	172	188	138	88	107	75	90
6	J H - 31026	224	149	155	148	169	180	143	88	113	73	91
7	E H - 31008	239	143	158	155	174	193	148	95	88	87	90
8	E H - 30964	213	156	135	145	162	179	128	83	98	80	87
9	HKH - 1176	215	141	151	135	161	173	114	71	78	75	75
10	HKH - 1182	223	123	141	133	155	168	103	65	72	68	68
11	HKH - 1219	224	128	147	143	160	173	111	66	85	66	73
12	D E H - 10102	221	154	176	138	172	183	122	-	97	67	82
13	Jh GM - 4	240	143	179	162	181	199	144	86	107	87	93
14	A H - 01411	225	158	143	148	169	180	130	74	97	73	81
15	A H - 017 077	220	128	170	152	167	181	129	79	110	75	88
16	MCH - 6	233	173	147	153	176	183	133	80	95	70	82
17	X 1150 Z	249	161	175	158	186	194	127	88	97	87	90
18	X - 2185	248	158	176	168	187	191	113	85	115	82	94
19	SEEDTEC - 114	231	156	161	142	173	185	127	73	97	71	80
20	BISCO - 204	253	158	171	148	182	193	129	71	95	71	79
21	P R O - 358	224	143	172	152	172	187	137	95	102	84	94
22	PAC 71007	231	135	168	138	168	190	141	89	108	79	92
23	FILLER	233	153	159	135	170	181	120	74	102	71	82
24	JKMH - 810	229	140	149	148	167	179	118	69	80	75	74
25	PONNI - 116	244	141	144	137	166	181	122	86	93	71	84
	CHECKS:											
26	MEGHA	239	171	172	170	188	203	137	99	87	93	93
27	P E H M - 2	238	150	174	145	177	187	130	71	95	82	83
28	MAHI KANCHAN	225	159	182	168	183	182	121	78	98	72	83
29	X - 3342	258	138	176	147	179	191	127	80	95	80	85
	MEAN LOCATION	232	149	162	149	173	185	127	80	96	76	84
	C.D. AT 5%=	14.4	9.1	12.1	21.7	14.3	-	8.7	13.6	10.5	16.6	13.5
	C.V. % =	4.4	4.4	5.3	8.9	-	-	4.2	12.1	6.7	13.3	-
	F (Prob)	.000	.000	.000	.042	-	-	.000	.000	.000	.138	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 3	62	80	71	108	97	80	82	91	101	61	71	70	76	84
2	KM H - 9	80	81	80	109	96	82	84	92	118	53	89	75	84	90
3	F H - 3228	54	78	66	101	86	67	78	83	91	56	64	63	69	78
4	J H - 3957	67	77	72	101	98	72	89	90	106	49	68	63	71	83
5	J H - 3999	74	87	80	101	93	72	83	87	105	59	85	73	80	89
6	J H - 31026	82	89	86	103	100	73	77	88	108	73	81	65	82	91
7	E H - 31008	73	85	79	108	91	78	80	89	128	64	84	62	84	91
8	E H - 30964	87	74	80	108	92	73	85	89	86	69	63	72	72	85
9	HKH - 1176	56	71	64	103	81	59	83	81	93	63	72	63	73	77
10	HKH - 1182	63	70	66	100	87	69	70	82	95	45	69	55	66	74
11	HKH - 1219	63	66	65	100	81	68	76	81	96	41	63	67	67	75
12	D E H - 10102	85	74	79	103	91	65	72	83	105	43	84	65	74	82
13	Jh GM - 4	64	90	77	115	95	83	91	96	133	51	85	72	85	93
14	A H - 01411	104	79	92	101	101	79	75	89	109	66	76	63	79	88
15	A H - 017 077	63	82	72	103	85	80	78	86	96	50	74	62	70	83
16	MCH - 6	64	74	69	100	105	76	76	89	108	78	65	72	80	85
17	X 1150 Z	86	71	78	104	97	65	76	86	110	64	78	77	82	88
18	X - 2185	74	81	77	103	93	78	77	88	114	68	86	75	86	89
19	SEEDTEC - 114	80	75	77	103	86	71	78	84	103	64	72	55	73	82
20	BISCO - 204	81	73	77	103	93	66	80	86	106	56	73	52	72	82
21	P R O - 358	68	82	75	100	81	69	86	84	108	73	82	72	83	88
22	PAC 71007	83	85	84	103	100	73	92	92	111	58	87	67	81	91
23	FILLER	63	76	69	100	89	68	82	85	100	59	78	55	73	81
24	JKMH - 810	82	76	79	100	90	78	77	86	103	38	68	57	66	79
25	PONNI - 116	80	76	78	105	88	66	83	86	116	61	72	63	78	85
	CHECKS:														
26	MEGHA	83	88	86	119	107	75	97	100	114	76	86	72	87	95
27	P E H M - 2	67	75	71	100	101	85	81	92	116	54	80	65	79	86
28	MAHI KANCHAN	57	73	65	100	86	72	67	81	106	63	83	77	82	82
29	X - 3342	82	81	81	104	87	64	85	85	118	60	90	67	84	87
	MEAN LOCATION	73	78	76	104	92	73	81	87	107	59	77	66	77	85
	C.D. AT 5%=	2.4	8.9	5.7	9.7	18.2	12.6	5.7	11.5	11.3	7.9	8.4	17.5	11.3	-
	C.V. % =	2.4	8.1	-	6.7	14.0	10.6	5.0	-	7.5	9.6	7.8	16.2	-	-
	F (Prob)	.000	.000	-	.033	.255	.013	.000	-	.000	.000	.000	.223	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	H. turc.* ALMO	H. maydis* ALMO	PHYSO. * ALMO	EAR No. / PLANT ZN 1 ALMO	ZN 2 DELH	VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	ZN 4 MEAN
1	KM H - 3	1.1	1.4	2.2	1.01	1.06	1.09	1.07	1.08	1.02	1.09	0.96	1.02
2	KM H - 9	1.7	2.0	2.4	1.12	1.08	1.26	1.04	1.15	1.01	1.01	0.97	1.00
3	F H - 3228	1.0	1.3	2.0	1.03	0.97	1.15	1.06	1.10	1.05	1.16	0.86	1.02
4	J H - 3957	1.5	1.9	2.4	1.05	0.97	1.20	1.04	1.12	1.01	1.17	0.98	1.05
5	J H - 3999	3.1	1.9	1.7	1.23	1.04	1.12	1.04	1.08	1.03	1.11	0.88	1.01
6	J H - 31026	1.3	1.4	1.7	1.16	0.98	1.14	1.04	1.09	1.01	1.12	0.83	0.99
7	E H - 31008	1.3	1.8	1.6	1.01	1.04	1.14	1.05	1.09	1.00	1.06	1.00	1.02
8	E H - 30964	1.7	1.5	1.7	1.14	1.05	1.18	1.05	1.12	0.97	1.14	0.91	1.01
9	HKH - 1176	2.9	1.9	2.3	1.07	1.04	1.18	1.10	1.14	1.03	1.12	1.01	1.05
10	HKH - 1182	2.7	1.7	2.4	1.00	0.99	1.17	1.04	1.10	1.00	1.06	0.91	0.99
11	HKH - 1219	2.9	1.6	2.3	1.05	0.94	1.16	1.04	1.10	1.00	1.22	0.94	1.05
12	D E H - 10102	1.8	2.0	2.1	1.20	0.99	1.13	1.03	1.08	0.99	1.02	0.99	1.00
13	Jh GM - 4	2.1	1.8	2.2	1.06	1.03	1.12	1.03	1.08	0.99	1.01	0.98	0.99
14	A H - 01411	1.6	1.9	2.6	1.00	1.08	1.14	1.05	1.10	1.01	1.04	0.96	1.00
15	A H - 017 077	1.2	1.3	2.3	1.14	0.94	1.08	1.08	1.08	1.02	1.05	0.97	1.02
16	MCH - 6	1.2	1.2	3.2	1.06	1.08	1.07	1.03	1.05	1.01	1.05	0.85	0.97
17	X 1150 Z	1.9	1.9	1.7	1.03	1.05	1.08	1.05	1.06	1.03	1.11	0.89	1.01
18	X - 2185	1.4	1.6	2.0	1.07	1.04	1.11	1.04	1.08	1.00	1.02	0.97	1.00
19	SEEDTEC - 114	1.0	1.2	1.7	1.13	1.05	1.06	1.02	1.04	1.00	1.03	1.05	1.02
20	BISCO - 204	1.1	1.8	2.1	1.03	0.99	1.06	1.03	1.04	0.99	1.00	1.00	1.00
21	P R O - 358	1.2	1.5	2.0	1.28	1.04	1.11	1.14	1.12	0.98	1.03	0.97	1.00
22	PAC 71007	1.1	1.2	1.5	1.00	0.99	1.18	1.03	1.10	1.03	1.37	1.00	1.14
23	FILLER	1.0	1.0	1.7	1.08	1.00	1.16	1.09	1.13	0.97	1.20	0.98	1.05
24	JKMH - 810	1.0	1.0	2.1	1.13	0.98	1.13	1.04	1.09	0.99	1.11	0.98	1.03
25	PONNI - 116	1.0	1.3	1.9	1.05	0.96	1.06	1.06	1.06	1.00	1.08	0.97	1.02
	CHECKS:												
26	MEGHA	2.3	1.7	2.1	1.09	1.02	1.09	1.03	1.06	1.00	1.04	1.07	1.04
27	P E H M - 2	2.0	1.7	1.8	1.06	0.95	1.16	1.07	1.11	1.00	1.08	1.02	1.03
28	MAHI KANCHAN	3.0	1.8	1.9	1.09	0.93	1.10	1.02	1.06	1.19	1.11	0.97	1.09
29	X - 3342	1.3	1.5	2.2	1.04	0.99	1.04	1.01	1.03	1.02	1.09	0.88	1.00
	MEAN LOCATION	1.7	1.6	2.1	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	0.6	0.5	0.6	-	-	-	-	-	-	-	-	-
	C.V. % =	20.6	19.7	17.7	-	-	-	-	-	-	-	-	-
	F (Prob)	.000	.001	.000	-	-	-	-	-	-	-	-	-

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT			ZN 5 MEAN	OV'L MEAN	STAND AT HARVEST					
		UDAI	BANS	GODH			ALMO	DELH	LUDH	KARN	PANT	VARA
1	KM H - 3	1.03	1.07	1.14	1.08	1.05	21	39	34	22	35	36
2	KM H - 9	1.02	0.96	1.02	1.00	1.05	20	33	36	24	30	39
3	F H - 3228	1.04	1.08	1.01	1.04	1.04	22	34	35	26	23	34
4	J H - 3957	1.04	0.96	1.10	1.03	1.05	20	45	38	26	30	38
5	J H - 3999	0.96	1.11	1.02	1.03	1.05	22	40	35	26	38	38
6	J H - 31026	1.08	1.00	1.03	1.03	1.04	20	37	36	26	28	34
7	E H - 31008	0.98	1.01	1.09	1.03	1.04	18	35	36	26	34	36
8	E H - 30964	1.02	0.85	1.16	1.01	1.05	19	36	32	26	33	38
9	HKH - 1176	1.03	0.97	1.04	1.01	1.06	21	36	34	23	33	36
10	HKH - 1182	0.96	0.99	1.09	1.01	1.02	19	40	37	23	25	36
11	HKH - 1219	0.99	1.04	1.05	1.03	1.04	19	33	34	25	31	39
12	D E H - 10102	1.05	1.10	1.04	1.06	1.05	21	34	-	25	28	41
13	Jh GM - 4	0.99	0.98	1.03	1.00	1.02	19	33	30	24	35	27
14	A H - 01411	1.07	1.10	1.14	1.10	1.06	21	37	34	26	27	34
15	A H - 017 077	0.98	1.07	1.02	1.03	1.04	20	33	36	25	29	38
16	MCH - 6	1.00	1.03	1.00	1.01	1.02	22	35	36	26	32	37
17	X 1150 Z	1.00	0.91	1.04	0.98	1.02	23	37	32	27	29	38
18	X - 2185	0.97	1.01	1.01	0.99	1.02	22	37	37	29	31	36
19	SEEDTEC - 114	1.01	0.97	1.00	0.99	1.03	20	35	34	28	35	17
20	BISCO - 204	1.01	1.00	1.01	1.01	1.01	20	35	28	26	24	29
21	P R O - 358	0.97	0.91	1.01	0.96	1.04	22	38	40	29	34	38
22	PAC 71007	1.02	1.00	1.04	1.02	1.07	20	42	37	27	30	36
23	FILLER	1.00	0.94	1.03	0.99	1.05	19	37	34	28	27	34
24	JKMH - 810	1.02	0.96	1.20	1.06	1.05	20	35	33	25	28	33
25	PONNI - 116	1.02	0.90	1.10	1.01	1.02	21	36	36	26	27	35
	CHECKS:											
26	MEGHA	0.96	0.96	1.07	1.00	1.03	21	36	37	26	33	36
27	P E H M - 2	0.98	0.98	1.23	1.06	1.05	21	36	33	25	35	36
28	MAHI KANCHAN	1.03	0.95	1.14	1.04	1.05	20	38	25	25	34	25
29	X - 3342	1.02	1.07	1.12	1.07	1.03	22	36	37	27	34	36
	MEAN LOCATION	-	-	-	-	-	20	36	35	26	31	35
	C.D. AT 5%=	-	-	-	-	-	2.4	6.1	5.0	2.6	4.4	3.1
	C.V. % =	-	-	-	-	-	7.3	10.2	10.3	6.3	8.9	6.3
	F (Prob)	-	-	-	-	-	.070	.052	.000	.000	.000	.000

TABLE NO. 5 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST AMBI	ARBH	BANG MONS	BANG PROA	MAND	COIM	UDAI	BANS	GODH	CHHI	OV'L MEAN
1	KM H - 3	35	41	39	33	41	38	41	29	27	30	34
2	KM H - 9	35	37	38	32	38	38	40	21	28	29	32
3	F H - 3228	34	39	33	32	35	37	36	27	29	18	31
4	J H - 3957	36	40	42	34	39	37	41	30	29	31	35
5	J H - 3999	34	40	38	33	45	37	40	20	31	26	34
6	J H - 31026	35	44	41	33	40	38	38	33	30	26	34
7	E H - 31008	35	42	37	33	44	37	38	26	26	23	33
8	E H - 30964	29	37	37	31	42	37	41	21	26	20	32
9	HKH - 1176	35	37	33	32	44	38	44	24	28	29	33
10	HKH - 1182	36	38	40	33	36	38	39	31	25	25	32
11	HKH - 1219	34	39	34	30	38	37	40	25	27	24	32
12	D E H - 10102	33	41	39	32	40	38	39	26	31	28	33
13	Jh GM - 4	31	32	38	31	36	37	29	23	21	25	29
14	A H - 01[illegible]11	35	41	36	32	36	37	40	26	34	27	33
15	A H - 017 077	36	42	36	33	41	37	36	26	29	29	33
16	MCH - 6	34	40	43	33	42	38	38	22	28	27	33
17	X 1150 Z	34	38	39	32	42	38	41	30	28	30	33
18	X - 2185	38	47	39	32	38	36	40	30	29	33	35
19	SEEDTEC - 114	34	40	41	32	39	37	38	24	28	22	32
20	BISCO - 204	34	30	41	30	35	37	32	26	17	22	29
21	P R O - 358	37	41	41	32	43	37	42	25	32	37	35
22	PAC 71007	36	43	40	34	42	38	35	23	26	24	33
23	FILLER	38	44	39	32	38	38	37	28	28	29	33
24	JKMH - 810	36	41	39	32	34	37	35	28	32	28	32
25	PONNI - 116	36	37	42	34	38	38	42	22	29	28	33
	CHECKS:											
26	MEGHA	32	39	37	33	41	37	40	27	30	23	33
27	P E H M - 2	33	41	39	32	40	37	32	22	30	21	32
28	MAHI KANCHAN	27	27	30	32	37	38	34	27	18	25	29
29	X - 3342	35	45	39	33	45	37	41	30	32	23	34
	MEAN LOCATION	34	39	38	32	40	37	38	26	28	26	33
	C.D. AT 5%=	4.2	5.3	4.4	2.4	7.0	0.9	2.2	4.8	6.4	7.6	-
	C.V. % =	8.7	9.6	8.2	5.2	10.8	1.8	4.1	13.1	16.5	17.7	-
	F (Prob)	.001	.000	.000	.199	.071	.043	.000	.000	.000	.005	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 6

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, DELHI KARNAL, PANTNAGAR, VARANASI, DHOLI, AMBIKAPUR, ARBHAVI, MONSANTO BANGALORE, PROAGRO BANGALORE, MANDYA, COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN IET, TRIAL No. TR63B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 ALMO	R	DELH	R	KARN	R	PANT	R	ZN 2 MEAN	R
1	KM H - 2	8705	3	5626	8	4385	17	3174	13	4395	13
2	KM H - 5	8444	6	4394	24	3175	28	2778	24	3449	26
3	F H - 3227	6591	22	4608	22	4090	21	3958	5	4219	15
4	J H - 3851	7954	9	6676	2	5986	3	3716	7	5459	1
5	J H - 3964	7691	12	4944	17	4348	18	2959	19	4084	20
6	J H - 31006	6841	20	5728	6	3580	24	3022	18	4110	19
7	J H - 31027	6496	24	5134	14	4205	19	3191	11	4177	17
8	E H - 31011	6513	23	3994	27	3314	27	3543	8	3617	25
9	B H - 2862	7274	17	5258	13	4165	20	3174	12	4199	16
10	H K H - 1177	5546	28	5097	15	5350	8	3102	15	4516	11
11	H K H - 1188	6195	26	4343	26	5425	7	3829	6	4532	10
12	R - 9903	7504	14	4813	18	4470	16	2661	25	3981	23
13	D E H - 10702	5425	29	3656	28	3485	25	2265	29	3136	28
14	A H - 017 061	6875	19	5583	10	3631	23	2778	23	3997	22
15	A H - 01409	7427	16	4366	25	4654	15	3098	16	4039	21
16	M C H - 5	8554	5	5932	4	5572	6	4320	1	5275	2
17	X - 1150 Y	8310	7	6289	3	4830	12	4194	2	5104	5
18	X - 2182	9244	2	5918	5	5610	5	3971	4	5166	3
19	SEEDTEC - 122	6776	21	5587	9	5207	9	3031	17	4608	9
20	BISCO - 2434	9418	1	6785	1	4657	14	4046	3	5163	4
21	P R O - 357	8700	4	5568	11	6187	2	2922	21	4893	7
22	P A C 71006	7904	10	5711	7	5977	4	2576	27	4755	8
23	P M Z - 135	7631	13	4794	19	4740	13	2935	20	4156	18
24	FILLER	8185	8	4792	20	4836	11	3255	10	4294	14
25	A A M H - 363	7864	11	2968	29	3171	29	2286	28	2809	29
	CHECKS:										
26	MEGHA	6138	27	4646	21	4014	22	2887	22	3849	24
27	P E H M - 2	6981	18	5034	16	5160	10	3129	14	4441	12
28	MAHI KANCHAN	6455	25	4398	23	3334	26	2613	26	3448	27
29	X - 3342	7445	15	5478	12	6400	1	3420	9	5099	6
	MEAN YIELD=	7417		5108		4619		3201		4309	
	MEAN STAND	20		39		26		31		32	
	C.D. AT 5%=	1211		960		875		1090		975	
	C.V. % =	9.99		11.49		11.59		20.83		-	
	F (Prob)	.000		.000		.000		.003		-	
	PLOT SIZE=	3.60		7.50		3.90		7.50		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	6-07		4-07		27-06		8-07		-	
	HARVEST DATE(2002)	7-11		16-10		26-09		16-10		-	
	IRRIGATION Nos	-		-		3		2		-	
	FERTILIZER APPLIED N	80		120		150		120		-	
	P	60		80		60		60		-	
	K	40		60		60		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMIA 52.8% : LUDH 36.3%
: KOLH 86.3%

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE VARA	R	DHOL	R	AMBI	R	ZN 3 MEAN	R
1	KM H - 2	2446	29	2156	4	6175	6	3592	16
2	KM H - 5	3120	20	1632	16	5720	18	3491	20
3	F H - 3227	2656	26	1738	11	5250	25	3215	25
4	J H - 3851	4712	5	2964	1	6983	1	4886	1
5	J H - 3964	3162	19	2153	5	5265	24	3527	18
6	J H - 31006	4130	9	1792	9	5775	14	3899	8
7	J H - 31027	3920	12	1094	26	5524	20	3513	19
8	E H - 31011	3732	13	2115	7	5720	17	3856	11
9	B H - 2862	3539	16	1671	14	5391	22	3534	17
10	H K H - 1177	2922	24	683	29	5422	21	3009	28
11	H K H - 1188	2935	23	2144	6	5367	23	3482	21
12	R - 9903	3109	21	1727	13	6238	5	3691	14
13	D E H - 10702	2639	27	813	28	4646	28	2699	29
14	A H - 017 061	3052	22	1492	19	5877	12	3474	22
15	A H - 01409	3613	15	1601	17	4520	29	3245	24
16	M C H - 5	4152	7	1452	20	5830	13	3811	12
17	X - 1150 Y	4888	3	1889	8	6849	2	4542	3
18	X - 2182	5709	1	1095	25	6128	7	4311	4
19	SEEDTEC - 122	4116	10	1648	15	5908	11	3891	9
20	BISCO - 2434	4075	11	1756	10	5744	16	3858	10
21	P R O - 357	5042	2	2741	2	6810	3	4864	2
22	P A C 71006	4771	4	1400	21	5751	15	3974	7
23	P M Z - 135	4136	8	1036	27	6089	8	3753	13
24	FILLER	4423	6	1735	12	6089	9	4082	6
25	A A M H - 363	2709	25	1174	24	5587	19	3157	26
	CHECKS:								
26	MEGHA	3670	14	1281	23	5963	10	3638	15
27	P E H M - 2	3467	18	1325	22	5234	26	3342	23
28	MAHI KANCHAN	2540	28	1601	18	5132	27	3091	27
29	X - 3342	3500	17	2614	3	6449	4	4188	5
	MEAN YIELD=	3686		1673		5774		3711	
	MEAN STAND	36		35		35		35	
	C.D. AT 5%=	398		921		1483		934	
	C.V. % =	6.61		26.88		18.27		-	
	F (Prob)	.000		.048		.002		-	
	PLOT SIZE=	7.50		7.50		7.50		-	
	AGRONOMY DATA:								
	SOWING DATE(2002)	23-07		26-07		2-07		-	
	HARVEST DATE(2002)	25-10		6-11		-		-	
	IRRIGATION Nos	1		-		-		-	
	FERTILIZER APPLIED N	80		100		40		-	
	P	40		60		40		-	
	K	40		40		20		-	

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		ARBH	R	BANG MONS	R	BANG PROA	R	MAND	R	COIM	R	ZN 4 MEAN	R
1	KM H - 2	6404	6	4203	15	10679	6	6408	24	6831	16	6905	15
2	KM H - 5	6248	7	4240	13	10620	7	7866	12	7690	8	7333	7
3	F H - 3227	6173	9	4283	12	10290	11	6467	22	7206	13	6884	16
4	J H - 3851	5789	14	4573	8	10366	10	5608	28	8196	3	6906	14
5	J H - 3964	6531	3	3976	21	9607	17	7966	10	8101	5	7236	8
6	J H - 31006	4790	23	3435	26	9151	23	7305	14	6174	23	6171	22
7	J H - 31027	4524	25	3908	23	9250	20	5307	29	6879	15	5974	24
8	E H - 31011	4945	22	3348	29	8360	26	6834	19	6288	22	5955	25
9	B H - 2862	5887	12	4059	19	10709	5	8390	6	6634	19	7136	10
10	H K H - 1177	4156	28	4109	18	7558	27	7776	13	6631	20	6046	23
11	H K H - 1188	4239	27	3423	27	8558	25	7113	18	6019	26	5870	26
12	R - 9903	6098	11	4050	20	10205	12	7117	17	7594	9	7013	12
13	D E H - 10702	3759	29	3366	28	6894	29	5969	27	5530	29	5104	29
14	A H - 017 061	5506	15	4188	16	9532	18	8798	4	6789	17	6963	13
15	A H - 01409	5302	18	4130	17	9727	15	7217	15	6000	27	6475	19
16	M C H - 5	5383	17	5650	2	13284	1	9215	2	8168	4	8340	1
17	X - 1150 Y	6697	2	3778	24	10461	9	7122	16	8002	7	7212	9
18	X - 2182	5804	13	5814	1	11561	2	7925	11	9058	1	8032	3
19	SEEDTEC - 122	6437	5	5230	3	10119	13	8921	3	6741	18	7490	5
20	BISCO - 2434	6464	4	5228	4	11041	4	9327	1	8347	2	8081	2
21	P R O - 357	4957	21	4350	11	9159	22	8355	7	7338	11	6832	17
22	P A C 71006	5054	20	4911	6	9662	16	6736	20	7337	12	6740	18
23	P M Z - 135	7286	1	4939	5	11333	3	8592	5	7516	10	7933	4
24	FILLER	6166	10	4226	14	10543	8	8134	8	8080	6	7430	6
25	A A M H - 363	5406	16	3964	22	10072	14	6715	21	6029	25	6437	20
	CHECKS:												
26	MEGHA	4426	26	3575	25	8662	24	6152	25	5945	28	5752	27
27	P E H M - 2	5286	19	4465	9	9214	21	6419	23	6545	21	6386	21
28	MAHI KANCHAN	4589	24	4351	10	7067	28	5980	26	6160	24	5629	28
29	X - 3342	6192	8	4704	7	9382	19	8030	9	7067	14	7075	11
	MEAN YIELD=	5534		4292		9761		7371		7065		6805	
	MEAN STAND	37		38		33		40		37		37	
	C.D. AT 5%=	1033		1447		1595		1338		1093		1301	
	C.V. % =	13.27		23.98		11.62		11.10		11.00		-	
	F (Prob)	.000		.002		.000		.000		.000		-	
	PLOT SIZE=	7.50		7.50		5.53		7.00		7.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	17-07		6-07		5-07		25-07		12-07		-	
	HARVEST DATE(2002)	15-11		15-11		31-10		13-11		25-10		-	
	IRRIGATION Nos	7		-		-		150		8		-	
	FERTILIZER APPLIED N	150		-		150		75		135		-	
	P	75		-		60		40		63		-	
	K	38		-		40		4		50		-	

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5		OV'L	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R	MEAN	R
1	KM H - 2	4856	6	2356	20	3895	25	4303	9	3852	10	5163	12
2	KM H - 5	4238	14	2717	8	3909	24	4338	8	3801	12	5071	15
3	F H - 3227	3377	23	2451	17	4174	17	4227	10	3558	17	4846	18
4	J H - 3851	5070	4	2020	29	4127	19	5143	3	4090	7	5618	4
5	J H - 3964	4332	12	2584	14	3549	28	4451	7	3729	14	5101	14
6	J H - 31006	4468	9	2276	24	3914	23	3075	22	3433	21	4716	21
7	J H - 31027	3346	25	2279	23	4232	15	2697	26	3138	27	4499	25
8	E H - 31011	5037	5	2404	19	4488	10	3112	21	3760	13	4609	22
9	B H - 2862	4234	15	3080	1	4433	11	4648	4	4099	6	5159	13
10	H K H - 1177	1914	28	2740	7	3569	27	3220	19	2861	29	4362	27
11	H K H - 1188	4198	16	2671	11	4001	22	2518	27	3347	24	4561	23
12	R - 9903	3835	20	2050	28	4200	16	3587	16	3418	22	4954	16
13	D E H - 10702	3675	22	2504	16	3839	26	1631	29	2912	28	3756	29
14	A H - 017 061	3721	21	2536	15	4083	20	3174	20	3379	23	4851	17
15	A H - 01409	4400	10	2904	2	4142	18	2909	25	3589	16	4751	20
16	M C H - 5	1668	29	2893	3	4807	7	5971	1	3835	11	5803	3
17	X - 1150 Y	4728	7	2697	9	5566	2	3520	17	4128	5	5614	5
18	X - 2182	5350	2	2168	26	4859	6	5400	2	4444	1	5976	1
19	SEEDTEC - 122	4391	11	2761	5	4315	13	3969	13	3859	9	5322	10
20	BISCO - 2434	5444	1	2300	21	4918	4	4602	6	4316	2	5885	2
21	P R O - 357	2691	27	2761	6	4598	9	3854	14	3476	20	5377	9
22	P A C 71006	4143	19	2165	27	4372	12	4132	12	3703	15	5163	11
23	P M Z - 135	5180	3	2686	10	4793	8	4139	11	4200	4	5489	6
24	FILLER	4534	8	2628	13	5239	3	4626	5	4257	3	5468	7
25	A A M H - 363	4163	18	2664	12	4291	14	3029	23	3537	18	4506	24
	CHECKS:												
26	MEGHA	3375	24	2293	22	4899	5	2444	28	3253	25	4398	26
27	P E H M - 2	4265	13	2440	18	4028	21	3298	18	3508	19	4768	19
28	MAHI KANCHAN	4166	17	2256	25	3490	29	3026	24	3235	26	4197	28
29	X - 3342	3266	26	2848	4	5691	1	3674	15	3870	8	5385	8
	MEAN YIELD=	4071		2522		4359		3749		3675		5013	
	MEAN STAND	31		27		28		27		28		32	
	C.D. AT 5%=	737		374		1081		1208		850		1053	
	C.V. % =	12.88		10.56		17.64		19.71		-		-	
	F (Prob)	.000		.000		.000		.000		-		-	
	PLOT SIZE=	6.00		6.00		6.00		6.00		-		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		20-07		5-07		25-07		-		-	
	HARVEST DATE(2002)	3-10		24-10		9-10		15-11		-		-	
	IRRIGATION Nos	2		-		-		-		-		-	
	FERTILIZER APPLIED N	90		80		100		100		-		-	
	P	60		60		50		50		-		-	
	K	-		-		-		30		-		-	

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MEGHA ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	ARBH
1	KM H - 2	41.81	21.09	9.25	9.93	14.18	-	68.21	3.55	-	44.71
2	KM H - 5	37.56	-	-	-	-	-	27.39	-	-	41.18
3	F H - 3227	7.37	-	1.89	37.09	9.60	-	35.65	-	-	39.48
4	J H - 3851	29.57	43.68	49.14	28.72	41.84	28.39	131.31	17.10	34.31	30.80
5	J H - 3964	25.30	6.40	8.32	2.50	6.09	-	68.04	-	-	47.57
6	J H - 31006	11.44	23.28	-	4.68	6.77	12.52	39.84	-	7.16	8.24
7	J H - 31027	5.83	10.51	4.76	10.53	8.52	6.80	-	-	-	2.23
8	E H - 31011	6.11	-	-	22.71	-	1.69	65.07	-	5.98	11.74
9	B H - 2862	18.50	13.18	3.75	9.94	9.09	-	30.41	-	-	33.03
10	H K H - 1177	-	9.69	33.27	7.46	17.33	-	-	-	-	-
11	H K H - 1188	0.92	-	35.15	32.62	17.75	-	67.30	-	-	-
12	R - 9903	22.25	3.58	11.36	-	3.43	-	34.75	4.60	1.45	37.79
13	D E H - 10702	-	-	-	-	-	-	-	-	-	-
14	A H - 017 061	12.01	20.16	-	-	3.85	-	16.45	-	-	24.40
15	A H - 01409	20.99	-	15.93	7.32	4.95	-	24.97	-	-	19.80
16	M C H - 5	39.35	27.68	38.81	49.64	37.04	13.12	13.34	-	4.76	21.63
17	X - 1150 Y	35.39	35.37	20.32	45.27	32.61	33.19	47.44	14.86	24.85	51.32
18	X - 2182	50.60	27.37	39.76	37.56	34.23	55.56	-	2.76	18.48	31.14
19	SEEDTEC - 122	10.39	20.25	29.72	4.99	19.72	12.14	28.63	-	6.94	45.44
20	BISCO - 2434	53.43	46.04	16.02	40.15	34.13	11.04	37.02	-	6.05	46.07
21	P R O - 357	41.74	19.84	54.14	1.23	27.11	37.37	113.89	14.20	33.70	12.01
22	P A C 71006	28.77	22.92	48.90	-	23.52	30.00	9.26	-	9.24	14.21
23	P M Z - 135	24.32	3.18	18.10	1.65	7.98	12.69	-	2.10	3.16	64.62
24	FILLER	33.33	3.13	20.48	12.75	11.57	20.52	35.41	2.10	12.21	39.32
25	A A M H - 363	28.11	-	-	-	-	-	-	-	-	22.15
	CHECKS:										
26	MEGHA	-	-	-	-	-	-	-	-	-	-
27	P E H M - 2	13.72	8.35	28.55	8.38	15.38	-	3.40	-	-	19.45
28	MAHI KANCHAN	5.16	-	-	-	-	-	24.97	-	-	3.69
29	X - 3342	21.29	17.89	59.44	18.48	32.48	-	103.96	8.15	15.10	39.92

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD BANG MONS	GRAIN YIELD BANG PROA	% SUPERIORITY OVER THE MEGHA MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	17.55	23.29	4.16	14.90	20.05	43.87	2.75	-	76.03	18.43	17.38
2	KM H - 5	18.59	22.60	27.87	29.35	27.48	25.58	18.48	-	77.50	16.84	15.29
3	F H - 3227	19.78	18.80	5.12	21.20	19.67	0.06	6.89	-	72.96	9.37	10.18
4	J H - 3851	27.90	19.68	-	37.86	20.07	50.21	-	-	110.42	25.73	27.72
5	J H - 3964	11.21	10.91	29.48	36.26	25.80	28.36	12.65	-	82.10	14.64	15.98
6	J H - 31006	-	5.65	18.75	3.85	7.29	32.40	-	-	25.81	5.55	7.23
7	J H - 31027	9.29	6.79	-	15.71	3.85	-	-	-	10.35	-	2.29
8	E H - 31011	-	-	11.09	5.77	3.53	49.25	4.82	-	27.32	15.60	4.80
9	B H - 2862	13.54	23.63	36.39	11.58	24.06	25.46	34.29	-	90.18	26.00	17.30
10	H K H - 1177	14.91	-	26.39	11.53	5.11	-	19.49	-	31.73	-	-
11	H K H - 1188	-	-	15.62	1.25	2.06	24.38	16.46	-	3.03	2.89	3.70
12	R - 9903	13.26	17.82	15.69	27.74	21.92	13.62	-	-	46.75	5.07	12.63
13	D E H - 10702	-	-	-	-	-	8.89	9.19	-	-	-	-
14	A H - 017 061	17.14	10.05	43.01	14.19	21.05	10.26	10.56	-	29.88	3.86	10.29
15	A H - 01409	15.51	12.30	17.32	0.92	12.57	30.37	26.60	-	19.02	10.32	8.01
16	M C H - 5	58.01	53.36	49.79	37.39	44.99	-	26.15	-	144.28	17.88	31.94
17	X - 1150 Y	5.66	20.77	15.77	34.60	25.38	40.08	17.61	13.62	44.00	26.89	27.64
18	X - 2182	62.60	33.47	28.82	52.36	39.64	58.52	-	-	120.92	36.62	35.87
19	SEEDTEC - 122	46.27	16.82	45.02	13.39	30.21	30.10	20.39	-	62.38	18.63	21.01
20	BISCO - 2434	46.23	27.47	51.61	40.39	40.50	61.30	0.30	0.39	88.30	32.69	33.79
21	P R O - 357	21.66	5.74	35.82	23.43	18.77	-	20.38	-	57.70	6.86	22.26
22	P A C 71006	37.36	11.54	9.49	23.42	17.18	22.75	-	-	69.07	13.84	17.38
23	P M Z - 135	38.14	30.83	39.67	26.41	37.92	53.49	17.12	-	69.33	29.10	24.80
24	FILLER	18.19	21.72	32.22	35.91	29.17	34.35	14.61	6.94	89.25	30.86	24.33
25	A A M H - 363	10.85	16.28	9.15	1.41	11.91	23.34	16.17	-	23.95	8.72	2.44
	CHECKS:											
26	MEGHA	-	-	-	-	-	-	-	-	-	-	-
27	P E H M - 2	24.88	6.38	4.34	10.10	11.02	26.38	6.38	-	34.93	7.84	8.41
28	MAHI KANCHAN	21.70	-	-	3.61	-	23.44	-	-	23.81	-	-
29	X - 3342	31.57	8.31	30.53	18.87	23.00	-	24.17	16.16	50.30	18.96	22.44

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 2 ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	ARBH	BANG MONS
1	KM H - 2	24.70	11.75	-	1.42	-	-	62.68	17.98	7.49	21.15	-
2	KM H - 5	20.96	-	-	-	-	-	23.20	9.29	4.45	18.19	-
3	F H - 3227	-	-	-	26.49	-	-	31.19	0.30	-	16.77	-
4	J H - 3851	13.94	32.61	16.01	18.76	22.93	35.92	123.71	33.42	46.22	9.50	2.41
5	J H - 3964	10.18	-	-	-	-	-	62.52	0.60	5.54	23.54	-
6	J H - 31006	-	13.77	-	-	-	19.12	35.24	10.34	16.67	-	-
7	J H - 31027	-	1.99	-	1.98	-	13.06	-	5.55	5.11	-	-
8	E H - 31011	-	-	-	13.22	-	7.66	59.64	9.29	15.38	-	-
9	B H - 2862	4.20	4.45	-	1.44	-	2.07	26.12	3.00	5.73	11.37	-
10	H K H - 1177	-	1.24	3.67	-	1.69	-	-	3.60	-	-	-
11	H K H - 1188	-	-	5.13	22.37	2.05	-	61.79	2.55	4.20	-	-
12	R - 9903	7.50	-	-	-	-	-	30.32	19.18	10.45	15.35	-
13	D E H - 10702	-	-	-	-	-	-	-	-	-	-	-
14	A H - 017 061	-	10.90	-	-	-	-	12.62	12.29	3.94	4.15	-
15	A H - 01409	6.39	-	-	-	-	4.21	20.86	-	-	0.29	-
16	M C H - 5	22.53	17.84	7.98	38.06	18.77	19.76	9.62	11.39	14.05	1.83	26.53
17	X - 1150 Y	19.05	24.93	-	34.03	14.93	41.00	42.59	30.87	35.92	26.68	-
18	X - 2182	32.43	17.55	8.72	26.92	16.33	64.68	-	17.08	28.99	9.79	30.21
19	SEEDTEC - 122	-	10.98	0.91	-	3.76	18.72	24.40	12.89	16.43	21.76	17.13
20	BISCO - 2434	34.92	34.78	-	29.31	16.25	17.55	32.51	9.74	15.45	22.29	17.09
21	P R O - 357	24.63	10.60	19.90	-	10.16	45.42	106.86	30.12	45.55	-	-
22	P A C 71006	13.23	13.44	15.83	-	7.06	37.63	5.67	9.89	18.92	-	9.99
23	P M Z - 135	9.32	-	-	-	-	19.30	-	16.33	12.31	37.82	10.62
24	FILLER	17.25	-	-	4.03	-	27.58	30.96	16.33	22.16	16.64	-
25	A A M H - 363	12.65	-	-	-	-	-	-	6.74	-	2.27	-
	CHECKS:											
26	MEGHA	-	-	-	-	-	5.87	-	13.94	8.87	-	-
27	P E H M - 2	-	-	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	-	-	20.86	-	-	-	-
29	X - 3342	6.65	8.80	24.03	9.31	14.82	0.95	97.25	23.23	25.31	17.14	5.35

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD BANG PROA	MAND	% SUPERIORITY COIM	OVER ZN 4 MEAN	UDAI	THE P E H M - 2 BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	15.90	-	4.36	8.13	13.84	-	-	30.47	9.82	8.27
2	KM H - 5	15.25	22.56	17.48	14.83	-	11.37	-	31.55	8.35	6.34
3	F H - 3227	11.68	0.75	10.09	7.79	-	0.48	3.62	28.19	1.42	1.64
4	J H - 3851	12.50	-	25.21	8.15	18.85	-	2.44	55.96	16.59	17.82
5	J H - 3964	4.27	24.10	23.77	13.31	1.57	5.89	-	34.97	6.30	6.99
6	J H - 31006	-	13.82	-	-	4.76	-	-	-	-	-
7	J H - 31027	0.39	-	5.10	-	-	-	5.05	-	-	-
8	E H - 31011	-	6.47	-	-	18.09	-	11.42	-	7.20	-
9	B H - 2862	16.22	30.72	1.35	11.75	-	26.23	10.04	40.95	16.85	8.20
10	H K H - 1177	-	21.14	1.30	-	-	12.32	-	-	-	-
11	H K H - 1188	-	10.81	-	-	-	9.47	-	-	-	-
12	R - 9903	10.76	10.88	16.03	9.82	-	-	4.27	8.76	-	3.89
13	D E H - 10702	-	-	-	-	-	2.64	-	-	-	-
14	A H - 017 061	3.45	37.07	3.71	9.03	-	3.92	1.36	-	-	1.74
15	A H - 01409	5.57	12.44	-	1.40	3.16	19.00	2.81	-	2.30	-
16	M C H - 5	44.17	43.56	24.79	30.60	-	18.58	19.32	81.04	9.32	21.71
17	X - 1150 Y	13.53	10.96	22.26	12.94	10.84	10.55	38.18	6.73	17.67	17.74
18	X - 2182	25.47	23.46	38.39	25.78	25.43	-	20.62	63.74	26.69	25.33
19	SEEDTEC - 122	9.82	38.99	3.00	17.29	2.95	13.16	7.12	20.35	10.01	11.62
20	BISCO - 2434	19.83	45.31	27.52	26.55	27.63	-	22.09	39.56	23.04	23.41
21	P R O - 357	-	30.17	12.11	6.98	-	13.15	14.13	16.88	-	12.77
22	P A C 71006	4.86	4.94	12.10	5.55	-	-	8.54	25.31	5.57	8.27
23	P M Z - 135	22.99	33.87	14.82	24.23	21.45	10.09	18.98	25.50	19.72	15.12
24	FILLER	14.43	26.73	23.45	16.35	6.30	7.73	30.05	40.26	21.35	14.68
25	A A M H - 363	9.31	4.62	-	0.80	-	9.19	6.51	-	0.82	-
	CHECKS:										
26	MEGHA	-	-	-	-	-	-	21.61	-	-	-
27	P E H M - 2	-	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-
29	X - 3342	1.82	25.11	7.97	10.79	-	16.72	41.27	11.40	10.32	12.94

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	ARBH	BANG MONS
1	KM H - 2	34.85	27.93	31.54	21.44	27.45	-	34.60	20.33	16.21	39.56	-
2	KM H - 5	30.81	-	-	6.29	0.01	22.81	1.93	11.46	12.92	36.16	-
3	F H - 3227	2.10	4.78	22.68	51.45	22.34	4.57	8.54	2.29	4.00	34.52	-
4	J H - 3851	23.22	51.80	79.56	42.20	58.32	85.50	85.09	36.07	58.08	26.15	5.09
5	J H - 3964	19.15	12.41	30.42	13.24	18.42	24.49	34.47	2.60	14.10	42.32	-
6	J H - 31006	5.98	30.24	7.37	15.64	19.18	62.58	11.90	12.53	26.13	4.39	-
7	J H - 31027	0.64	16.75	26.14	22.11	21.13	54.30	-	7.64	13.63	-	-
8	E H - 31011	0.90	-	-	35.56	4.89	46.93	32.09	11.46	24.74	7.76	-
9	B H - 2862	12.69	19.57	24.92	21.46	21.77	39.31	4.35	5.04	14.31	28.30	-
10	H K H - 1177	-	15.89	60.46	18.72	30.97	15.04	-	5.65	-	-	-
11	H K H - 1188	-	-	62.72	46.52	31.44	15.56	33.87	4.58	12.65	-	-
12	R - 9903	16.26	9.44	34.08	1.83	15.46	22.37	7.83	21.55	19.41	32.88	-
13	D E H - 10702	-	-	4.53	-	-	3.90	-	-	-	-	-
14	A H - 017 061	6.51	26.95	8.90	6.32	15.92	20.14	-	14.52	12.37	19.98	-
15	A H - 01409	15.06	-	39.58	18.56	17.14	42.22	-	-	4.97	15.54	-
16	M C H - 5	32.51	34.89	67.13	65.31	52.97	63.44	-	13.60	23.30	17.31	29.84
17	X - 1150 Y	28.75	43.01	44.87	60.49	48.03	92.44	17.98	33.47	46.95	45.94	-
18	X - 2182	43.21	34.57	68.28	51.97	49.83	124.75	-	19.41	39.45	26.47	33.61
19	SEEDTEC - 122	4.98	27.04	56.18	15.98	33.64	62.02	2.93	15.13	25.87	40.27	20.19
20	BISCO - 2434	45.91	54.29	39.69	54.83	49.72	60.43	9.64	11.92	24.81	40.87	20.16
21	P R O - 357	34.79	26.61	85.58	11.83	41.88	98.47	71.15	32.71	57.36	8.02	-
22	P A C 71006	22.45	29.86	79.28	-	37.88	87.83	-	12.07	28.57	10.14	12.87
23	P M Z - 135	18.22	9.01	42.19	12.30	20.53	62.81	-	18.65	21.42	58.77	13.51
24	FILLER	26.79	8.96	45.06	24.56	24.53	74.12	8.36	18.65	32.06	34.36	-
25	A A M H - 363	21.83	-	-	-	-	6.66	-	8.86	2.12	17.81	-
	CHECKS:											
26	MEGHA	-	5.65	20.40	10.47	11.62	44.48	-	16.20	17.70	-	-
27	P E H M - 2	8.14	14.48	54.78	19.74	28.79	36.48	-	1.99	8.11	15.20	2.62
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-	-
29	X - 3342	15.34	24.55	91.96	30.89	47.88	37.77	63.21	25.68	35.47	34.94	8.11

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD BANG PROA	MAND	% SUPERIORITY OVER THE MAHI KANCHAN COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	51.10	7.17	10.90	22.66	16.55	4.44	11.61	42.17	19.10	22.99
2	KM H - 5	50.26	31.56	24.84	30.26	1.73	20.43	12.00	43.36	17.50	20.80
3	F H - 3227	45.60	8.15	16.98	22.28	-	8.65	19.61	39.69	9.98	15.45
4	J H - 3851	46.67	-	33.06	22.68	21.68	-	18.25	69.95	26.44	33.84
5	J H - 3964	35.93	33.21	31.52	28.54	3.98	14.50	1.70	47.08	15.28	21.53
6	J H - 31006	29.49	22.17	0.23	9.63	7.26	0.87	12.16	1.61	6.14	12.36
7	J H - 31027	30.89	-	11.68	6.11	-	0.99	21.26	-	-	7.19
8	E H - 31011	18.29	14.29	2.09	5.79	20.91	6.54	28.61	2.83	16.25	9.81
9	B H - 2862	51.52	40.32	7.69	26.76	1.63	36.50	27.02	53.60	26.71	22.91
10	H K H - 1177	6.94	30.04	7.65	7.40	-	21.45	2.25	6.39	-	3.92
11	H K H - 1188	21.09	18.95	-	4.28	0.76	18.37	14.65	-	3.47	8.66
12	R - 9903	44.40	19.03	23.29	24.58	-	-	20.35	18.52	5.66	18.01
13	D E H - 10702	-	-	-	-	-	10.98	10.00	-	-	-
14	A H - 017 061	34.87	47.14	10.21	23.68	-	12.37	17.00	4.90	4.45	15.57
15	A H - 01409	37.63	20.70	-	15.03	5.62	28.68	18.67	-	10.94	13.18
16	M C H - 5	87.96	54.11	32.61	48.15	-	28.22	37.73	97.29	18.55	38.25
17	X - 1150 Y	48.02	19.10	29.91	28.11	13.48	19.54	59.50	16.30	27.61	33.74
18	X - 2182	63.58	32.53	47.06	42.69	28.42	-	39.23	78.43	37.39	42.37
19	SEEDTEC - 122	43.18	49.20	9.44	33.05	5.40	22.36	23.64	31.15	19.30	26.80
20	BISCO - 2434	56.23	55.98	35.50	43.56	30.67	1.95	40.92	52.08	33.43	40.19
21	P R O - 357	29.59	39.73	19.13	21.36	-	22.35	31.73	27.37	7.46	28.10
22	P A C 71006	36.71	12.65	19.12	19.73	-	-	25.28	36.55	14.48	23.00
23	P M Z - 135	60.35	43.70	22.01	40.92	24.34	19.04	37.34	36.76	29.83	30.77
24	FILLER	49.18	36.03	31.18	31.98	8.84	16.49	50.11	52.85	31.60	30.27
25	A A M H - 363	42.51	12.30	-	14.35	-	18.07	22.94	0.11	9.34	7.35
	CHECKS:										
26	MEGHA	22.56	2.88	-	2.18	-	1.64	40.37	-	0.56	4.78
27	P E H M - 2	30.37	7.34	6.26	13.44	2.38	8.13	15.43	8.97	8.45	13.60
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-
29	X - 3342	32.75	34.29	14.73	25.68	-	26.21	63.06	21.39	19.63	28.29

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	ARBH	BANG MONS
1	KM H - 2	16.92	2.71	-	-	-	-	-	-	-	3.42	-
2	KM H - 5	13.42	-	-	-	-	-	-	-	-	0.90	-
3	F H - 3227	-	-	-	15.71	-	-	-	-	-	-	-
4	J H - 3851	6.83	21.88	-	8.64	7.06	34.64	13.41	8.27	16.69	-	-
5	J H - 3964	3.31	-	-	-	-	-	-	-	-	5.46	-
6	J H - 31006	-	4.57	-	-	-	18.00	-	-	-	-	-
7	J H - 31027	-	-	-	-	-	12.00	-	-	-	-	-
8	E H - 31011	-	-	-	3.57	-	6.64	-	-	-	-	-
9	B H - 2862	-	-	-	-	-	1.11	-	-	-	-	-
10	H K H - 1177	-	-	-	-	-	-	-	-	-	-	-
11	H K H - 1188	-	-	-	11.94	-	-	-	-	-	-	-
12	R - 9903	0.80	-	-	-	-	-	-	-	-	-	-
13	D E H - 10702	-	-	-	-	-	-	-	-	-	-	-
14	A H - 017 061	-	1.93	-	-	-	-	-	-	-	-	-
15	A H - 01409	-	-	-	-	-	3.23	-	-	-	-	-
16	M C H - 5	14.89	8.30	-	26.30	3.44	18.63	-	-	-	-	20.10
17	X - 1150 Y	11.63	14.82	-	22.61	0.10	39.68	-	6.20	8.47	8.15	-
18	X - 2182	24.17	8.04	-	16.11	1.32	63.13	-	-	2.94	-	23.59
19	SEEDTEC - 122	-	2.00	-	-	-	17.60	-	-	-	3.95	11.18
20	BISCO - 2434	26.50	23.88	-	18.29	1.25	16.45	-	-	-	4.39	11.14
21	P R O - 357	16.86	1.66	-	-	-	44.05	4.87	5.59	16.16	-	-
22	P A C 71006	6.17	4.26	-	-	-	36.33	-	-	-	-	4.40
23	P M Z - 135	2.50	-	-	-	-	18.17	-	-	-	17.65	5.00
24	FILLER	9.93	-	-	-	-	26.38	-	-	-	-	-
25	A A M H - 363	5.63	-	-	-	-	-	-	-	-	-	-
	CHECKS:											
26	MEGHA	-	-	-	-	-	4.87	-	-	-	-	-
27	P E H M - 2	-	-	-	-	-	-	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	-	-	-	-	-	-	-
29	X - 3342	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	13.83	-	-	-	48.65	-	-	17.12	-	-
2	KM H - 5	13.19	-	8.81	3.64	29.75	-	-	18.09	-	-
3	F H - 3227	9.68	-	1.96	-	3.38	-	-	15.07	-	-
4	J H - 3851	10.49	-	15.97	-	55.20	-	-	40.00	5.69	4.32
5	J H - 3964	2.40	-	14.63	2.28	32.63	-	-	21.16	-	-
6	J H - 31006	-	-	-	-	36.80	-	-	-	-	-
7	J H - 31027	-	-	-	-	2.44	-	-	-	-	-
8	E H - 31011	-	-	-	-	54.21	-	-	-	-	-
9	B H - 2862	14.14	4.49	-	0.86	29.63	8.15	-	26.53	5.92	-
10	H K H - 1177	-	-	-	-	-	-	-	-	-	-
11	H K H - 1188	-	-	-	-	28.51	-	-	-	-	-
12	R - 9903	8.78	-	7.46	-	17.39	-	-	-	-	-
13	D E H - 10702	-	-	-	-	12.51	-	-	-	-	-
14	A H - 017 061	1.60	9.56	-	-	13.92	-	-	-	-	-
15	A H - 01409	3.68	-	-	-	34.71	1.95	-	-	-	-
16	M C H - 5	41.59	14.75	15.58	17.88	-	1.59	-	62.52	-	7.76
17	X - 1150 Y	11.50	-	13.23	1.93	44.73	-	-	-	6.67	4.25
18	X - 2182	23.23	-	28.17	13.53	63.79	-	-	46.98	14.85	10.97
19	SEEDTEC - 122	7.86	11.10	-	5.86	34.43	-	-	8.04	-	-
20	BISCO - 2434	17.69	16.14	18.10	14.22	66.66	-	-	25.28	11.54	9.28
21	P R O - 357	-	4.05	3.83	-	-	-	-	4.92	-	-
22	P A C 71006	2.98	-	3.82	-	26.84	-	-	12.49	-	-
23	P M Z - 135	20.79	7.00	6.34	12.13	58.59	-	-	12.66	8.52	1.93
24	FILLER	12.38	1.29	14.33	5.01	38.81	-	-	25.91	10.00	1.54
25	A A M H - 363	7.35	-	-	-	27.44	-	-	-	-	-
	CHECKS:										
26	MEGHA	-	-	-	-	3.32	-	-	-	-	-
27	P E H M - 2	-	-	-	-	30.58	-	-	-	-	-
28	MAHI KANCHAN	-	-	-	-	27.54	-	-	-	-	-
29	X - 3342	-	-	-	-	-	-	-	-	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 1 ALMO	DELH	KARN	ZN 2 MEAN	VARA	DHOL	AMBI	ZN 3 MEAN	ARBH	BANG MONS	BANG PROA	MAND
1	KM H - 2	54.7	47.3	48.7	48.0	50.3	54.0	51.5	51.9	57.3	57.8	55.5	53.3
2	KM H - 5	54.7	45.3	49.0	47.2	49.0	56.0	49.0	51.3	56.8	58.0	55.0	50.7
3	F H - 3227	53.0	44.0	48.0	46.0	45.0	53.5	48.8	49.1	55.3	56.3	52.5	48.3
4	J H - 3851	54.0	45.0	47.7	46.3	47.7	56.0	51.5	51.7	56.5	57.3	54.0	50.3
5	J H - 3964	55.0	45.7	48.3	47.0	47.3	54.5	51.5	51.1	58.5	57.3	56.0	52.0
6	J H - 31006	52.3	45.0	46.0	45.5	45.0	55.5	46.5	49.0	53.3	56.8	52.3	46.7
7	J H - 31027	53.3	45.0	45.7	45.3	46.7	54.0	48.8	49.8	57.0	57.0	54.5	51.0
8	E H - 31011	53.0	43.3	46.0	44.7	43.0	55.5	47.3	48.6	53.3	56.0	51.0	46.3
9	B H - 2862	56.3	48.0	49.0	48.5	49.7	55.0	51.3	52.0	55.8	57.5	55.3	51.0
10	H K H - 1177	52.7	46.3	46.3	46.3	47.0	56.5	49.0	50.8	55.3	56.0	53.3	49.7
11	H K H - 1188	50.7	45.7	45.3	45.5	43.3	55.5	49.3	49.4	55.0	56.8	52.3	47.0
12	R - 9903	55.3	46.3	47.3	46.8	48.7	54.0	48.0	50.2	56.8	57.3	54.8	48.7
13	D E H - 10702	50.3	43.0	44.0	43.5	43.0	55.0	46.0	48.0	52.8	55.3	50.5	45.0
14	A H - 017 061	54.7	46.0	48.7	47.3	48.7	55.5	49.8	51.3	56.8	56.3	54.3	49.7
15	A H - 01409	52.3	45.3	46.0	45.7	45.3	56.0	47.5	49.6	54.8	56.8	52.0	45.3
16	M C H - 5	58.3	46.0	48.3	47.2	51.0	55.5	52.3	52.9	57.8	58.3	56.0	53.0
17	X - 1150 Y	53.0	47.3	47.3	47.3	48.0	53.5	49.0	50.2	54.8	57.5	52.3	47.7
18	X - 2182	53.7	47.0	47.7	47.3	48.3	57.0	49.5	51.6	55.8	58.3	54.5	50.0
19	SEEDTEC - 122	51.7	44.7	46.0	45.3	45.3	55.0	48.0	49.4	54.3	56.8	52.5	48.7
20	BISCO - 2434	54.0	47.3	50.3	48.8	53.3	57.0	52.0	54.1	58.8	57.8	56.5	54.0
21	P R O - 357	53.0	46.3	48.3	47.3	46.7	54.5	48.8	50.0	54.5	57.8	51.5	47.3
22	P A C 71006	55.0	46.0	48.7	47.3	49.3	54.5	50.5	51.4	56.0	56.8	54.0	50.7
23	P M Z - 135	52.7	46.7	46.7	46.7	46.0	54.0	48.5	49.5	55.0	58.3	53.0	49.7
24	FILLER	53.0	47.0	47.3	47.2	45.7	55.0	47.8	49.5	55.0	57.5	54.3	49.0
25	A A M H - 363	52.7	46.0	48.0	47.0	47.7	55.5	49.8	51.0	55.3	56.8	53.5	49.3
	CHECKS:												
26	MEGHA	56.0	45.0	47.3	46.2	45.3	55.0	49.3	49.9	55.3	57.8	54.3	48.3
27	P E H M - 2	52.7	47.0	47.3	47.2	47.3	54.0	48.0	49.8	55.3	57.0	53.3	49.3
28	MAHI KANCHAN	52.0	45.0	46.7	45.8	47.7	54.5	48.3	50.1	53.8	56.8	51.3	45.3
29	X - 3342	52.7	46.3	46.3	46.3	46.7	54.0	47.3	49.3	54.8	55.5	52.0	48.3
	MEAN LOCATION	53.5	45.8	47.3	46.6	47.2	55.0	49.1	50.4	55.5	57.1	53.5	49.2
	C.D. AT 5%=	1.4	2.5	1.3	1.9	2.2	2.8	2.5	2.5	1.1	1.5	1.0	1.9
	C.V. % =	1.6	3.3	1.6	-	2.9	2.5	3.6	-	1.5	1.9	1.3	2.4
	F (Prob)	.000	.020	.000	-	.000	.482	.000	-	.000	.003	.000	.000

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	DAYS TO 50 % SILKING ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN
1	KM H - 2	55.3	55.8	52.5	40.0	47.5	53.3	48.3	51.9	55.0	51.3	50.7	58.0	53.3
2	KM H - 5	54.5	55.0	50.5	39.0	46.8	52.3	47.1	51.1	55.0	49.0	50.3	59.3	52.9
3	F H - 3227	52.3	52.9	50.0	40.0	44.3	49.7	46.0	49.4	54.7	49.0	49.7	58.7	52.4
4	J H - 3851	54.0	54.4	52.3	38.3	47.5	48.3	46.6	50.7	54.7	47.7	50.0	57.0	51.6
5	J H - 3964	55.3	55.8	52.0	38.3	46.8	53.0	47.5	51.4	56.7	50.0	50.7	57.3	52.7
6	J H - 31006	51.8	52.1	51.3	40.8	46.8	48.0	46.7	49.2	53.7	49.3	48.3	57.0	51.6
7	J H - 31027	54.5	54.8	52.3	36.8	46.5	50.7	46.5	50.2	54.3	49.3	47.7	56.7	51.2
8	E H - 31011	48.5	51.0	48.8	38.3	41.3	48.3	44.1	48.0	53.7	48.0	48.3	57.0	51.1
9	B H - 2862	53.5	54.6	52.3	40.3	46.8	50.7	47.5	51.5	58.0	49.0	51.3	59.3	53.2
10	H K H - 1177	51.8	53.2	52.3	37.3	45.0	52.0	46.6	50.0	53.3	51.0	48.3	59.7	53.0
11	H K H - 1188	49.0	52.0	50.5	38.5	46.0	49.0	46.0	48.9	51.7	48.7	47.7	56.3	50.9
12	R - 9903	52.0	53.9	52.3	38.0	47.5	51.3	47.3	50.5	55.7	51.0	49.7	58.7	53.1
13	D E H - 10702	48.5	50.4	50.0	37.3	43.5	47.0	44.4	47.4	51.7	46.0	45.7	56.3	49.3
14	A H - 017 061	53.8	54.1	50.8	40.3	46.5	52.3	47.5	50.9	56.0	52.0	51.0	58.0	53.7
15	A H - 01409	52.0	52.2	50.3	38.8	44.8	48.7	45.6	49.1	53.3	47.7	48.3	56.0	50.7
16	M C H - 5	54.5	55.9	52.8	40.5	47.3	53.0	48.4	52.3	59.0	49.0	50.3	55.7	51.7
17	X - 1150 Y	51.0	52.6	50.0	37.3	45.5	48.3	45.3	49.5	53.7	50.0	49.3	57.0	52.1
18	X - 2182	51.8	54.0	51.0	39.0	47.3	50.3	46.9	50.7	54.7	52.7	50.3	58.3	53.8
19	SEEDTEC - 122	50.5	52.5	49.3	39.8	47.5	48.7	46.3	49.2	52.7	48.3	48.7	55.7	50.9
20	BISCO - 2434	56.5	56.7	55.5	38.3	47.5	55.0	49.1	52.9	54.7	56.0	52.7	60.0	56.2
21	P R O - 357	52.0	52.6	50.0	40.0	45.3	49.0	46.1	49.7	54.0	50.3	50.3	57.7	52.8
22	P A C 71006	51.8	53.8	51.3	39.5	46.0	49.7	46.6	50.6	56.3	52.3	50.7	57.7	53.6
23	P M Z - 135	50.0	53.2	48.3	36.5	45.5	49.0	44.8	49.3	53.3	52.0	49.0	57.7	52.9
24	FILLER	50.5	53.3	49.8	38.5	45.0	49.0	45.6	49.6	54.0	52.7	49.7	61.0	54.4
25	A A M H - 363	54.3	53.8	51.8	39.8	45.5	53.7	47.7	50.6	53.3	54.7	50.7	60.7	55.3
	CHECKS:													
26	MEGHA	53.5	53.8	52.5	39.0	43.8	53.3	47.1	50.4	57.3	49.3	49.7	58.0	52.3
27	P E H M - 2	51.5	53.3	51.8	39.8	45.3	48.7	46.4	49.9	54.0	51.7	49.7	58.7	53.3
28	MAHI KANCHAN	49.5	51.3	50.5	37.0	43.5	48.3	44.8	48.7	53.0	49.3	49.3	59.7	52.8
29	X - 3342	47.8	51.7	48.8	38.0	45.8	48.3	45.2	48.8	54.0	48.3	48.7	53.7	50.2
	MEAN LOCATION	52.1	53.5	51.1	38.8	45.8	50.3	46.5	50.1	54.5	50.2	49.5	57.8	52.5
	C.D. AT 5%=	1.4	1.4	1.0	1.2	2.6	2.2	1.8	-	1.2	3.6	1.6	3.3	2.8
	C.V. % =	1.9	-	1.4	2.2	4.0	2.7	-	-	1.3	4.4	2.0	3.5	-
	F (Prob)	.000	-	.000	.000	.000	.000	-	-	.000	.000	.000	.015	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING VARA	DHOL	AMBI	ZN 3 MEAN	ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN
1	KM H - 2	54.7	56.0	56.0	55.6	58.5	59.3	57.0	56.0	59.0	58.0
2	KM H - 5	54.0	58.0	53.5	55.2	58.3	59.0	55.8	52.3	58.0	56.7
3	F H - 3227	49.3	55.5	53.0	52.6	56.5	57.3	53.3	50.7	55.0	54.5
4	J H - 3851	53.3	58.0	55.8	55.7	58.0	58.5	55.8	53.3	56.8	56.5
5	J H - 3964	54.0	56.5	55.5	55.3	58.8	58.3	56.3	54.3	58.0	57.1
6	J H - 31006	49.0	57.0	52.3	52.8	54.5	57.8	53.8	48.7	54.5	53.8
7	J H - 31027	53.3	56.5	53.8	54.5	58.3	58.0	56.5	54.0	57.5	56.8
8	E H - 31011	49.0	58.0	52.0	53.0	54.8	57.0	51.8	49.3	51.0	52.8
9	B H - 2862	56.3	57.0	55.0	56.1	58.3	58.8	57.3	55.3	57.3	57.4
10	H K H - 1177	54.7	58.5	53.5	55.6	57.8	57.0	56.0	53.3	54.3	55.7
11	H K H - 1188	54.0	57.5	54.0	55.2	55.0	57.8	53.3	49.7	50.8	53.3
12	R - 9903	53.7	56.5	52.5	54.2	59.0	58.3	57.5	51.7	54.8	56.2
13	D E H - 10702	47.0	57.0	50.8	51.6	53.0	56.3	51.8	47.3	51.3	51.9
14	A H - 017 061	53.7	58.0	54.3	55.3	58.8	57.3	57.0	53.3	57.0	56.7
15	A H - 01409	49.3	58.0	52.3	53.2	55.3	57.8	52.8	47.7	55.5	53.8
16	M C H - 5	54.7	58.0	56.5	56.4	58.8	59.3	57.0	55.3	56.8	57.4
17	X - 1150 Y	53.0	55.5	53.5	54.0	55.5	58.8	52.5	50.3	54.5	54.3
18	X - 2182	53.0	59.0	53.5	55.2	57.0	60.0	55.8	51.7	54.5	55.8
19	SEEDTEC - 122	49.7	57.0	52.3	53.0	54.3	58.0	52.5	50.7	52.3	53.5
20	BISCO - 2434	57.3	59.0	56.0	57.4	58.8	59.0	57.5	56.0	59.0	58.0
21	P R O - 357	51.0	56.5	53.0	53.5	55.8	58.8	52.5	49.0	55.0	54.2
22	P A C 71006	53.7	57.0	54.3	55.0	58.3	57.8	56.0	52.7	55.0	55.9
23	P M Z - 135	52.3	56.5	52.8	53.9	55.0	59.5	54.0	51.0	53.8	54.7
24	FILLER	51.0	57.0	52.3	53.4	55.3	58.5	54.8	52.0	53.3	54.8
25	A A M H - 363	55.3	58.0	53.8	55.7	56.5	58.0	53.8	51.7	58.0	55.6
	CHECKS:										
26	MEGHA	49.7	57.0	54.0	53.6	58.0	59.0	56.5	51.0	56.8	56.3
27	P E H M - 2	52.7	56.0	52.5	53.7	58.0	58.0	55.5	52.7	55.0	55.8
28	MAHI KANCHAN	53.7	57.0	53.8	54.8	55.5	57.8	53.3	47.7	52.5	53.3
29	X - 3342	53.0	56.5	51.8	53.8	54.8	56.5	53.0	50.3	50.8	53.1
	MEAN LOCATION	52.6	57.2	53.6	54.4	56.8	58.2	54.8	51.7	55.1	55.3
	C.D. AT 5%=	2.1	3.0	2.3	2.4	1.4	1.5	1.4	2.3	1.4	1.6
	C.V. % =	2.4	2.5	3.0	-	1.7	1.9	1.8	2.7	1.9	-
	F (Prob)	.000	.667	.000	-	.000	.000	.000	.000	.000	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING						DAYS TO 50 % DRY HUSK				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	ZN 1 ALMO	VARA	DHOL	AMBI	ZN 3 MEAN
1	KM H - 2	54.5	44.0	51.0	54.0	50.9	54.7	112.0	88.0	88.0	98.5	91.5
2	KM H - 5	52.3	43.0	51.3	54.3	50.2	54.0	106.7	84.3	88.0	99.0	90.4
3	F H - 3227	51.8	43.5	50.0	50.0	48.8	52.4	101.0	80.3	89.0	98.5	89.3
4	J H - 3851	54.5	42.3	51.8	49.7	49.5	53.6	104.0	85.7	88.0	98.8	90.8
5	J H - 3964	53.5	41.8	50.0	53.0	49.6	54.0	103.7	85.7	89.0	98.8	91.1
6	J H - 31006	52.5	44.3	51.5	49.0	49.3	52.1	100.0	81.0	89.5	98.3	89.6
7	J H - 31027	54.3	40.8	51.5	52.0	49.6	53.4	103.7	84.7	85.5	99.0	89.7
8	E H - 31011	50.8	42.3	44.5	49.3	46.7	51.0	99.0	84.3	87.5	98.8	90.2
9	B H - 2862	54.5	44.3	51.8	51.3	50.5	54.7	104.3	88.3	88.5	97.8	91.5
10	H K H - 1177	54.8	41.3	49.8	52.0	49.4	53.4	101.0	83.3	89.0	98.3	90.2
11	H K H - 1188	51.8	42.5	51.8	49.3	48.8	52.0	102.7	85.7	89.5	98.8	91.3
12	R - 9903	54.3	41.8	52.8	52.3	50.3	53.7	105.7	83.7	89.0	99.3	90.6
13	D E H - 10702	51.8	41.3	48.3	48.0	47.3	50.2	96.0	78.7	88.5	96.5	87.9
14	A H - 017 061	53.0	44.3	50.8	53.3	50.3	54.2	104.7	84.0	89.5	99.8	91.1
15	A H - 01409	51.8	42.8	49.8	50.0	48.6	51.8	103.7	83.7	87.5	96.8	89.3
16	M C H - 5	54.8	44.0	51.8	55.0	51.4	54.7	115.0	85.7	88.5	99.5	91.2
17	X - 1150 Y	51.8	41.3	49.0	49.3	47.8	52.2	96.3	86.3	86.5	101.0	91.3
18	X - 2182	52.8	42.8	51.0	51.3	49.5	53.6	105.7	86.0	87.5	97.0	90.2
19	SEEDTEC - 122	50.5	43.0	51.0	49.0	48.4	51.6	99.7	84.3	86.5	98.8	89.9
20	BISCO - 2434	57.0	42.3	51.0	56.0	51.6	55.8	107.3	80.0	88.0	97.5	88.5
21	P R O - 357	51.5	43.8	49.8	50.0	48.8	52.4	99.7	83.0	89.0	98.8	90.3
22	P A C 71006	53.0	43.5	51.5	50.7	49.7	53.8	102.7	86.0	87.5	98.0	90.5
23	P M Z - 135	50.5	40.5	49.3	48.7	47.2	52.2	105.7	88.3	88.5	99.3	92.0
24	FILLER	52.3	42.3	49.3	49.3	48.3	52.8	104.0	83.0	88.5	97.5	89.7
25	A A M H - 363	54.3	44.0	50.8	54.3	50.8	54.2	103.7	86.3	87.5	98.5	90.8
	CHECKS:											
26	MEGHA	53.8	43.0	49.0	53.7	49.9	53.5	99.3	84.7	89.0	97.5	90.4
27	P E H M - 2	53.5	43.8	50.5	50.0	49.4	53.3	107.3	86.0	90.0	96.8	90.9
28	MAHI KANCHAN	52.3	41.3	47.8	49.0	47.6	52.0	101.0	88.3	88.0	98.5	91.6
29	X - 3342	50.3	41.3	51.0	49.3	48.0	51.4	99.7	86.3	89.5	98.8	91.5
	MEAN LOCATION	52.9	42.6	50.3	51.1	49.2	53.1	103.3	84.7	88.3	98.4	90.5
	C.D. AT 5%=	1.1	1.1	3.5	1.8	1.9	-	2.6	2.9	2.8	2.2	2.6
	C.V. % =	1.5	1.8	4.9	2.2	-	-	1.5	2.1	1.5	1.6	-
	F (Prob)	.000	.000	.031	.000	-	-	.000	.000	.354	.049	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	110.5	91.0	101.0	100.8	82.8	72.3	79.5	88.5	80.8	92.0
2	KM H - 5	109.3	93.3	99.5	100.7	86.3	71.3	80.3	89.5	81.8	91.6
3	F H - 3227	107.3	91.0	97.0	98.4	80.0	71.5	78.5	85.5	78.9	89.1
4	J H - 3851	109.5	92.0	98.3	99.9	86.5	71.5	81.5	87.0	81.6	91.2
5	J H - 3964	110.3	91.3	99.0	100.2	84.5	71.3	79.8	88.0	80.9	91.0
6	J H - 31006	108.3	90.3	97.0	98.5	85.5	73.5	80.3	84.0	80.8	89.8
7	J H - 31027	109.3	89.0	99.0	99.1	84.8	71.3	81.0	87.5	81.1	90.4
8	E H - 31011	108.0	88.3	93.0	96.4	80.3	72.8	75.0	85.5	78.4	88.4
9	B H - 2862	109.5	94.0	98.8	100.8	84.5	70.3	81.8	88.5	81.3	91.5
10	H K H - 1177	108.3	91.3	96.8	98.8	85.0	72.3	79.3	88.0	81.1	90.2
11	H K H - 1188	108.0	91.0	93.3	97.4	80.0	71.3	81.5	84.5	79.3	89.6
12	R - 9903	109.0	90.7	94.8	98.1	81.5	70.8	80.0	88.0	80.1	90.2
13	D E H - 10702	106.3	91.0	95.5	97.6	80.0	70.3	81.3	83.0	78.6	87.9
14	A H - 017 061	108.5	92.7	98.5	99.9	84.3	72.5	81.5	86.5	81.2	91.1
15	A H - 01409	109.0	93.0	97.5	99.8	84.5	71.5	80.0	86.0	80.5	90.3
16	M C H - 5	110.5	94.7	97.8	101.0	80.0	71.3	81.8	89.0	80.5	92.1
17	X - 1150 Y	109.8	86.7	97.0	97.8	82.8	72.3	80.3	85.5	80.2	89.5
18	X - 2182	111.0	91.3	96.3	99.5	86.3	71.3	81.3	87.5	81.6	91.0
19	SEEDTEC - 122	109.8	90.0	93.5	97.8	86.3	70.5	81.0	87.0	81.2	89.8
20	BISCO - 2434	110.5	93.3	101.0	101.6	87.3	71.8	81.0	88.5	82.1	91.5
21	P R O - 357	109.0	89.3	96.8	98.4	80.0	71.8	80.8	87.5	80.0	89.6
22	P A C 71006	107.5	89.7	97.8	98.3	82.8	71.5	81.0	86.5	80.4	90.1
23	P M Z - 135	111.3	90.7	95.8	99.2	84.5	70.0	80.0	87.5	80.5	91.0
24	FILLER	110.3	91.7	95.5	99.1	80.8	72.3	80.5	86.0	79.9	90.0
25	A A M H - 363	109.0	93.3	100.0	100.8	87.8	71.0	80.3	86.5	81.4	91.3
	CHECKS:										
26	MEGHA	110.0	92.0	98.0	100.0	80.0	71.0	77.3	84.5	78.2	89.4
27	P E H M - 2	109.3	90.3	97.5	99.0	84.8	71.5	81.0	85.0	80.6	90.9
28	MAHI KANCHAN	108.8	88.0	94.8	97.2	80.0	71.5	77.0	84.5	78.3	89.1
29	X - 3342	106.8	88.3	91.5	95.5	80.8	70.3	80.3	86.0	79.3	88.9
	MEAN LOCATION	109.1	91.0	97.0	99.0	83.2	71.4	80.1	86.6	80.4	90.3
	C.D. AT 5%=	2.6	3.5	2.1	2.7	0.7	1.6	2.4	1.0	1.4	-
	C.V. % =	1.7	2.3	1.6	-	0.6	1.6	2.1	0.7	-	-
	F (Prob)	.021	.003	.000	-	.000	.013	.000	.000	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	ZN 3 VARA	ARBH	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN
1	KM H - 2	32.3	20.9	13.3	31.4	21.9	36.3	21.3	23.6	27.5	20.0	16.8	21.8
2	KM H - 5	32.8	20.7	13.4	33.3	22.5	37.0	23.2	23.4	27.8	19.8	16.0	22.0
3	F H - 3227	33.4	20.7	13.6	32.2	22.2	34.9	21.0	23.0	26.5	19.8	16.0	21.3
4	J H - 3851	31.6	20.3	14.1	37.1	23.8	37.7	20.8	24.2	26.7	20.8	16.7	21.9
5	J H - 3964	32.9	20.6	14.1	32.2	22.3	37.2	25.4	22.4	27.1	20.7	16.0	22.3
6	J H - 31006	30.0	20.6	12.9	36.8	23.4	32.4	20.7	22.7	26.6	20.0	16.3	21.3
7	J H - 31027	32.4	20.4	12.6	36.1	23.1	33.1	20.0	19.2	26.2	20.8	15.8	20.4
8	E H - 31011	29.1	20.5	13.0	34.4	22.6	32.3	19.8	20.0	24.7	19.8	16.5	20.2
9	B H - 2862	34.1	20.4	13.1	34.7	22.7	32.2	27.7	22.5	26.3	18.6	16.9	22.4
10	H K H - 1177	29.9	20.5	12.9	34.3	22.6	35.7	19.8	22.4	27.2	18.8	15.9	20.8
11	H K H - 1188	30.0	20.5	12.8	32.5	21.9	34.3	19.5	19.9	25.1	19.7	16.6	20.2
12	R - 9903	32.0	20.6	13.3	33.8	22.6	34.5	22.7	21.5	27.5	18.7	17.1	21.5
13	D E H - 10702	27.3	20.1	12.6	34.6	22.5	34.7	21.8	19.9	24.4	20.7	15.2	20.4
14	A H - 017 061	33.1	20.5	13.4	38.0	23.9	36.2	20.6	22.9	27.1	22.1	15.8	21.7
15	A H - 01409	29.7	20.2	13.1	29.9	21.1	32.4	18.3	21.0	26.9	17.4	16.4	20.0
16	M C H - 5	34.9	20.6	13.8	34.3	22.9	36.8	23.9	24.8	27.1	19.8	15.8	22.3
17	X - 1150 Y	29.6	20.2	13.4	32.6	22.1	32.0	17.9	19.7	24.1	19.5	17.5	19.7
18	X - 2182	33.7	20.0	13.8	32.8	22.2	38.3	18.7	22.5	27.3	20.0	16.0	20.9
19	SEEDTEC - 122	31.3	20.7	12.9	34.7	22.8	34.6	21.2	20.6	26.7	20.1	16.4	21.0
20	BISCO - 2434	36.4	20.0	13.8	35.1	22.9	38.7	22.7	21.6	28.5	20.2	15.6	21.7
21	P R O - 357	32.4	20.4	14.6	33.4	22.8	33.1	17.5	22.3	25.8	20.1	16.4	20.4
22	P A C 71006	31.1	20.7	14.5	34.1	23.1	35.7	23.6	22.4	26.8	20.8	15.9	21.9
23	P M Z - 135	33.0	20.6	13.1	35.3	23.0	35.4	19.4	21.8	27.1	20.2	16.3	20.9
24	FILLER	32.5	20.7	13.3	35.0	23.0	32.1	22.3	20.0	27.8	21.7	17.6	21.9
25	A A M H - 363	30.5	20.2	13.1	34.8	22.7	30.0	16.9	22.0	25.1	19.0	16.6	19.9
	CHECKS:												
26	MEGHA	32.1	20.8	13.4	22.9	19.0	30.8	18.5	21.4	26.0	19.7	16.1	20.3
27	P E H M - 2	31.4	21.0	13.5	32.4	22.3	33.3	19.5	20.0	25.6	21.5	16.3	20.6
28	MAHI KANCHAN	27.7	20.5	12.9	33.0	22.1	31.3	17.6	20.1	24.8	20.8	16.4	20.0
29	X - 3342	30.5	20.3	14.8	32.8	22.6	35.2	23.2	20.7	24.8	19.2	15.9	20.8
	MEAN LOCATION	31.7	20.5	13.4	33.6	22.5	34.4	20.9	21.7	26.4	20.0	16.3	21.1
	C.D. AT 5%=	2.4	0.4	0.3	3.1	1.2	1.3	1.8	2.7	1.9	2.2	0.8	1.9
	C.V. % =	4.7	1.1	1.3	5.6	-	2.2	6.1	8.7	5.1	6.7	3.7	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.001	.000	.064	.000	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST						PLANT ASPECT *				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	ZN 1 ALMO	ZN 2 DELH	VARA	DHOL	ZN 3 MEAN
1	KM H - 2	18.3	16.4	14.1	16.3	16.2	22.0	2.6	2.5	1.8	2.3	2.0
2	KM H - 5	16.5	16.5	14.9	15.8	15.9	22.2	2.5	2.5	1.8	2.5	2.1
3	F H - 3227	16.2	16.2	14.8	16.5	15.9	21.8	2.5	2.5	1.8	2.0	1.9
4	J H - 3851	18.5	16.9	14.8	17.0	16.8	22.7	2.8	2.5	1.0	2.3	1.6
5	J H - 3964	16.6	16.5	14.8	17.5	16.4	22.4	2.6	2.3	1.8	2.0	1.9
6	J H - 31006	17.8	16.3	14.7	16.8	16.4	21.8	2.7	2.5	2.0	2.3	2.1
7	J H - 31027	16.7	16.2	14.7	17.5	16.3	21.6	2.8	2.0	2.3	2.5	2.4
8	E H - 31011	15.8	16.1	15.5	16.3	15.9	21.0	2.8	2.5	2.0	2.3	2.1
9	B H - 2862	19.0	16.6	15.1	17.0	16.9	22.4	2.5	2.3	3.3	2.0	2.6
10	H K H - 1177	15.1	16.1	14.9	17.9	16.0	21.5	2.8	2.3	1.5	2.5	2.0
11	H K H - 1188	15.7	16.8	15.2	17.0	16.2	21.1	2.8	2.3	2.0	2.0	2.0
12	R - 9903	18.8	16.1	14.1	17.8	16.7	22.0	2.6	2.5	2.3	2.0	2.1
13	D E H - 10702	17.9	16.5	14.3	17.3	16.5	21.2	2.7	2.5	3.3	2.0	2.6
14	A H - 017 061	19.1	16.3	14.7	17.8	17.0	22.7	2.7	2.5	1.8	2.0	1.9
15	A H - 01409	18.7	16.2	15.3	17.1	16.8	20.9	2.6	2.5	1.8	2.3	2.0
16	M C H - 5	15.6	16.5	14.5	18.3	16.2	22.6	2.5	2.0	1.3	2.3	1.8
17	X - 1150 Y	16.9	16.8	15.0	17.8	16.6	20.9	2.4	1.8	1.8	2.5	2.1
18	X - 2182	20.5	16.4	14.8	16.8	17.1	22.3	2.4	2.5	1.0	2.5	1.8
19	SEEDTEC - 122	19.4	16.3	13.8	17.3	16.7	21.9	2.5	2.5	1.5	2.0	1.8
20	BISCO - 2434	20.6	16.4	14.3	19.3	17.6	23.1	2.3	2.0	1.3	2.3	1.8
21	P R O - 357	17.1	16.8	13.9	16.4	16.1	21.4	2.5	2.5	2.0	2.0	2.0
22	P A C 71006	17.3	16.6	13.8	16.9	16.1	22.2	2.5	2.3	1.5	2.0	1.8
23	P M Z - 135	18.1	16.6	14.3	17.8	16.7	22.1	2.5	2.5	1.5	2.3	1.9
24	FILLER	20.0	16.5	14.9	17.3	17.2	22.3	2.4	2.5	1.5	2.5	2.0
25	A A M H - 363	15.9	16.8	14.4	16.6	15.9	20.8	2.4	2.5	3.3	2.5	2.9
	CHECKS:											
26	MEGHA	17.0	16.7	14.7	18.0	16.6	20.6	3.0	2.5	2.0	2.3	2.1
27	P E H M - 2	17.7	16.4	14.9	18.2	16.8	21.6	2.6	2.5	1.3	2.3	1.8
28	MAHI KANCHAN	15.1	16.5	15.0	17.3	16.0	20.7	2.8	2.5	3.3	2.3	2.8
29	X - 3342	15.9	16.6	13.9	17.5	16.0	21.5	2.5	2.5	2.3	2.0	2.1
	MEAN LOCATION	17.5	16.5	14.6	17.3	16.5	21.8	2.6	2.4	1.9	2.2	2.1
	C.D. AT 5%=	0.2	0.6	0.9	0.5	0.6	-	0.3	0.2	0.2	0.5	0.3
	C.V. % =	0.9	2.6	4.4	1.7	-	-	6.0	4.9	6.6	10.0	-
	F (Prob)	.000	.378	.012	.000	-	-	.000	.000	.000	.113	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	EAR ASPECT * ZN 1 ALMO	ZN 2 DELH
1	KM H - 2	2.3	2.7	2.0	2.3	2.5	2.5	2.6	1.3	2.2	2.3	2.5	2.2
2	KM H - 5	2.3	2.3	1.0	1.9	3.0	2.1	2.4	1.8	2.3	2.2	2.5	2.3
3	F H - 3227	2.0	2.0	2.0	2.0	2.0	2.5	1.5	1.8	1.9	2.0	2.6	2.7
4	J H - 3851	2.5	3.0	1.0	2.2	1.9	2.4	1.9	1.5	1.9	2.1	2.4	2.0
5	J H - 3964	2.3	2.3	2.0	2.2	2.7	2.4	1.9	1.5	2.1	2.1	2.5	2.2
6	J H - 31006	2.8	2.3	1.3	2.1	2.4	2.3	2.1	1.8	2.1	2.2	2.6	2.0
7	J H - 31027	2.5	2.7	1.8	2.3	3.0	2.3	1.9	1.8	2.2	2.3	2.7	2.5
8	E H - 31011	2.5	2.7	2.0	2.4	2.4	2.3	2.9	2.0	2.4	2.4	2.5	2.5
9	B H - 2862	2.0	2.7	2.0	2.2	2.3	2.1	2.4	1.3	2.0	2.2	2.5	1.5
10	H K H - 1177	2.8	2.3	1.3	2.1	3.1	2.0	2.0	1.8	2.2	2.2	2.5	2.2
11	H K H - 1188	3.0	2.3	3.5	2.9	2.5	2.5	2.3	2.0	2.3	2.5	2.7	2.3
12	R - 9903	2.5	2.3	2.8	2.5	1.9	2.3	1.8	1.0	1.7	2.2	2.6	2.5
13	D E H - 10702	3.0	3.0	3.0	3.0	2.8	2.4	2.3	2.3	2.4	2.7	2.7	2.8
14	A H - 017.061	2.8	2.7	2.0	2.5	2.3	2.3	2.1	1.0	1.9	2.2	2.6	2.0
15	A H - 01409	2.8	2.3	2.0	2.4	2.0	2.4	2.0	2.0	2.1	2.2	2.6	2.2
16	M C H - 5	2.3	1.7	2.0	2.0	3.1	1.8	1.9	1.8	2.1	2.0	2.5	2.0
17	X - 1150 Y	2.3	1.7	2.0	2.0	1.9	2.6	2.0	1.8	2.1	2.1	2.5	2.2
18	X - 2182	2.5	2.7	2.0	2.4	2.7	2.3	1.6	1.0	1.9	2.1	2.2	2.2
19	SEEDTEC - 122	2.3	2.3	2.0	2.2	2.0	2.5	1.8	1.8	2.0	2.1	2.5	2.3
20	BISCO - 2434	2.3	2.0	2.0	2.1	2.2	2.4	1.5	1.5	1.9	2.0	2.2	1.5
21	P R O - 357	2.3	2.3	2.8	2.4	2.5	2.5	2.4	1.8	2.3	2.3	2.4	2.0
22	P A C 71006	2.3	2.0	2.0	2.1	2.2	2.1	1.8	1.3	1.8	2.0	2.5	2.0
23	P M Z - 135	2.0	1.7	2.0	1.9	1.9	2.5	1.6	1.8	1.9	2.0	2.5	2.2
24	FILLER	2.0	2.0	2.8	2.3	2.1	2.1	2.3	1.5	2.0	2.1	2.4	2.2
25	A A M H - 363	2.5	2.3	1.3	2.0	2.6	2.4	1.6	1.8	2.1	2.3	2.5	2.5
	CHECKS:												
26	MEGHA	2.8	2.7	3.0	2.8	2.6	2.3	1.8	1.5	2.0	2.4	2.7	2.5
27	P E H M - 2	2.8	2.3	1.0	2.0	2.4	2.1	2.8	2.0	2.3	2.2	2.6	2.3
28	MAHI KANCHAN	3.0	3.0	2.0	2.7	2.5	2.4	2.5	1.8	2.3	2.5	2.8	2.5
29	X - 3342	3.0	2.7	2.8	2.8	2.3	2.0	1.6	1.8	1.9	2.3	2.5	2.2
	MEAN LOCATION	2.5	2.4	2.0	2.3	2.4	2.3	2.0	1.6	2.1	2.2	2.5	2.2
	C.D. AT 5%=	0.3	0.9	0.4	0.5	0.5	0.3	0.4	0.4	0.4	-	0.2	0.4
	C.V. % =	7.2	23.0	14.1	-	13.9	9.1	12.3	13.2	-	-	4.7	10.3
	F (Prob)	.000	.138	.000	-	.000	.000	.000	.000	-	-	.000	.000

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * VARA	DHOL	ZN 3 MEAN	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	1.5	2.0	1.8	2.5	1.5	3.0	1.8	2.2	2.5	2.3	2.8	1.5	2.3	2.2
2	KM H - 5	1.5	3.0	2.3	2.3	1.5	3.7	1.3	2.2	2.7	2.3	2.9	1.3	2.3	2.3
3	F H - 3227	2.0	2.3	2.1	2.0	1.8	2.7	2.0	2.1	3.0	2.3	2.5	1.3	2.2	2.2
4	J H - 3851	1.5	2.5	2.0	2.5	1.0	2.0	2.0	1.9	2.3	2.1	2.1	1.3	2.0	2.0
5	J H - 3964	1.8	2.3	2.0	2.0	1.8	2.3	1.0	1.8	3.0	2.3	2.0	1.3	2.1	2.0
6	J H - 31006	1.8	3.3	2.5	2.5	1.5	2.7	1.8	2.1	2.4	2.5	2.4	1.5	2.2	2.2
7	J H - 31027	2.5	3.5	3.0	2.3	1.3	2.7	1.3	1.9	2.0	2.0	2.3	2.0	2.1	2.2
8	E H - 31011	1.8	2.5	2.1	2.3	1.8	3.3	1.8	2.3	2.3	2.1	3.3	1.5	2.3	2.3
9	B H - 2862	2.5	2.8	2.6	1.8	1.3	2.3	1.0	1.6	2.5	2.4	2.0	1.3	2.0	2.0
10	H K H - 1177	2.3	3.0	2.6	3.0	1.8	4.0	1.8	2.6	3.5	2.4	3.0	2.3	2.8	2.6
11	H K H - 1188	2.0	2.3	2.1	3.0	1.8	3.7	3.0	2.9	3.0	2.4	3.4	1.8	2.6	2.6
12	R - 9903	2.3	3.5	2.9	2.5	1.5	2.0	2.3	2.1	2.2	2.5	2.4	1.5	2.2	2.3
13	D E H - 10702	2.5	3.0	2.8	2.5	2.0	3.7	2.0	2.5	2.3	2.0	2.4	2.0	2.2	2.5
14	A H - 017 061	2.0	2.8	2.4	2.3	1.3	2.7	3.0	2.3	2.8	2.3	2.8	1.5	2.3	2.3
15	A H - 01409	2.0	3.0	2.5	2.8	2.0	2.0	1.8	2.1	2.2	2.1	2.3	1.3	2.0	2.2
16	M C H - 5	2.0	3.0	2.5	2.0	1.0	1.7	1.0	1.4	3.8	1.5	1.8	1.0	2.0	1.9
17	X - 1150 Y	2.0	2.8	2.4	2.8	2.3	3.0	3.0	2.8	2.7	2.5	2.5	1.3	2.2	2.4
18	X - 2182	1.5	3.3	2.4	2.5	1.0	3.0	1.5	2.0	2.2	2.4	2.0	1.3	2.0	2.1
19	SEEDTEC - 122	2.0	2.5	2.3	2.3	1.0	2.0	2.0	1.8	1.9	2.3	2.3	1.5	2.0	2.0
20	BISCO - 2434	1.0	2.8	1.9	2.3	1.5	1.7	1.5	1.7	2.5	2.1	2.5	1.3	2.1	1.9
21	P R O - 357	1.8	2.3	2.0	2.3	1.3	2.3	3.0	2.2	2.9	2.0	1.9	1.0	1.9	2.1
22	P A C 71006	1.3	2.8	2.0	2.3	1.3	2.3	2.0	2.0	2.1	2.4	2.4	1.3	2.0	2.0
23	P M Z - 135	1.3	2.8	2.0	2.5	1.3	1.7	1.0	1.6	1.7	2.1	2.3	1.3	1.8	1.9
24	FILLER	2.0	2.8	2.4	2.5	2.0	1.7	2.3	2.1	2.0	2.3	2.4	1.5	2.0	2.2
25	A A M H - 363	3.3	3.3	3.3	2.3	1.8	2.7	1.8	2.1	3.3	2.3	3.0	2.0	2.6	2.5
	CHECKS:														
26	MEGHA	2.5	2.5	2.5	2.8	1.3	3.0	2.0	2.3	3.3	2.3	2.4	1.5	2.4	2.4
27	P E H M - 2	1.8	2.8	2.3	2.5	1.5	3.0	2.0	2.3	2.4	2.4	2.1	1.5	2.1	2.2
28	MAHI KANCHAN	2.5	3.0	2.8	2.3	1.5	3.0	3.5	2.6	3.0	2.4	2.6	2.0	2.5	2.6
29	X - 3342	1.8	2.3	2.0	2.5	1.5	2.0	2.3	2.1	2.7	2.0	1.8	1.5	2.0	2.1
	MEAN LOCATION	1.9	2.8	2.3	2.4	1.5	2.6	1.9	2.1	2.6	2.2	2.4	1.5	2.2	2.2
	C.D. AT 5%=	0.3	0.9	0.6	0.2	0.8	1.1	0.8	0.7	0.4	0.4	0.5	0.4	0.4	-
	C.V. % =	8.1	15.1	-	7.4	38.0	26.0	27.9	-	10.2	12.2	14.7	18.4	-	-
	F (Prob)	.000	.067	-	.000	.137	.000	.000	-	.000	.002	.000	.000	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ZN 1 ALMO	ZN 3 VARA	ARBH	BANG MONS	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	1.9	1.8	2.3	1.3	2.3	1.8	1.9	2.2	2.5	2.6	2.4	2.1
2	KM H - 5	2.5	2.0	2.8	1.0	2.3	2.0	2.0	2.3	2.3	2.3	2.3	2.1
3	F H - 3227	1.6	2.0	2.3	1.5	1.7	3.0	2.1	1.7	2.4	1.8	1.9	2.0
4	J H - 3851	1.7	1.8	2.5	1.3	2.0	2.0	1.9	1.7	2.0	2.9	2.2	2.0
5	J H - 3964	1.5	1.8	2.5	1.3	1.7	2.0	1.9	2.3	2.3	1.9	2.1	1.9
6	J H - 31006	1.5	1.5	2.8	1.3	2.0	2.5	2.1	1.6	2.3	2.0	1.9	1.9
7	J H - 31027	2.3	1.8	3.0	1.5	2.7	2.3	2.4	2.0	2.3	2.3	2.2	2.2
8	E H - 31011	1.8	1.5	2.8	1.5	2.0	1.8	2.0	1.7	2.1	2.5	2.1	2.0
9	B H - 2862	1.5	2.3	2.0	1.0	2.0	2.0	1.8	2.2	2.4	2.9	2.5	2.0
10	H K H - 1177	3.1	2.8	3.5	1.8	3.0	3.5	2.9	2.8	2.3	3.4	2.8	2.9
11	H K H - 1188	2.3	1.8	3.0	2.0	2.3	3.0	2.6	2.5	2.3	3.8	2.8	2.5
12	R - 9903	1.6	1.8	2.5	1.3	2.3	2.3	2.1	1.8	2.4	1.8	2.0	2.0
13	D E H - 10702	1.8	2.3	2.8	2.3	2.3	2.0	2.3	1.9	2.5	2.3	2.2	2.2
14	A H - 017 061	1.5	2.0	2.3	1.8	2.0	2.0	2.0	1.5	2.3	2.0	1.9	1.9
15	A H - 01409	2.0	2.3	2.0	1.3	2.0	1.3	1.6	1.8	2.4	1.8	2.0	1.9
16	M C H - 5	1.7	1.5	2.0	1.0	2.0	2.0	1.8	2.3	1.5	1.8	1.9	1.8
17	X - 1150 Y	2.2	1.8	3.0	1.0	2.0	2.5	2.1	1.9	2.3	2.3	2.1	2.1
18	X - 2182	1.5	1.8	2.3	1.0	2.3	2.0	1.9	1.7	2.4	1.6	1.9	1.8
19	*SEEDTEC* - 122	1.5	1.5	2.3	1.3	2.0	2.5	2.0	1.9	2.1	1.9	2.0	1.9
20	BISCO - 2434	1.5	1.8	1.8	1.3	2.0	2.3	1.8	1.9	2.3	1.4	1.8	1.8
21	P R O - 357	1.5	1.8	2.0	1.0	2.3	2.0	1.8	1.8	2.3	2.0	2.0	1.8
22	P A C 71006	1.5	1.3	2.0	1.8	2.0	2.0	1.9	1.7	2.3	2.0	2.0	1.8
23	P M Z - 135	1.5	1.3	2.3	1.0	1.7	1.3	1.5	1.7	2.1	1.6	1.8	1.6
24	FILLER	1.6	1.8	2.0	1.3	2.0	2.0	1.8	1.7	2.4	2.0	2.0	1.9
25	A A M H - 363	1.7	2.3	2.0	1.3	1.7	2.0	1.7	2.0	2.5	1.6	2.0	1.9
	CHECKS:												
26	MEGHA	1.6	1.8	2.3	1.3	2.0	2.0	1.9	1.7	2.3	1.6	1.9	1.8
27	P E H M - 2	1.7	1.5	2.3	1.3	2.3	1.3	1.8	1.6	2.1	2.8	2.1	1.9
28	MAHI KANCHAN	1.9	2.3	3.0	1.3	2.3	3.0	2.4	2.0	2.4	2.8	2.4	2.3
29	X - 3342	1.5	1.5	2.3	1.3	2.3	2.3	2.0	1.9	1.9	1.6	1.8	1.8
	MEAN LOCATION	1.8	1.8	2.4	1.3	2.1	2.1	2.0	1.9	2.2	2.2	2.1	2.0
	C.D. AT 5%=	0.3	0.3	0.3	0.8	0.9	0.6	0.6	0.4	0.4	0.3	0.4	-
	C.V. % =	9.1	10.6	8.7	44.9	24.6	19.0	-	14.9	13.2	11.3	-	-
	F (Prob)	.000	.000	.000	.347	.496	.000	-	.000	.017	.000	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ZN 1 ALMO	VARA	DHOL	ZN 3 MEAN	ARBH	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	2.7	1.0	2.3	1.6	2.0	2.7	2.5	2.4	2.2	2.5	2.0	2.2	2.2
2	KM H - 5	2.5	2.0	2.0	2.0	2.3	2.7	2.3	2.4	2.6	2.1	2.9	2.5	2.4
3	F H - 3227	2.5	1.3	2.0	1.6	1.8	1.3	1.0	1.4	1.9	2.5	2.0	2.1	1.8
4	J H - 3851	2.5	1.0	2.3	1.6	2.3	3.0	2.0	2.4	1.7	2.5	1.8	2.0	2.1
5	J H - 3964	2.6	1.8	1.8	1.8	2.0	2.0	1.3	1.8	2.3	2.4	2.4	2.3	2.0
6	J H - 31006	2.5	1.5	2.3	1.9	2.3	2.3	3.0	2.5	1.8	2.3	1.6	1.9	2.2
7	J H - 31027	2.6	1.5	2.0	1.8	1.8	2.7	2.3	2.2	1.8	2.4	1.5	1.9	2.0
8	E H - 31011	2.7	1.3	2.0	1.6	2.8	3.0	1.8	2.5	1.9	2.1	2.4	2.1	2.2
9	B H - 2862	2.4	2.0	2.0	2.0	1.8	2.3	2.0	2.0	2.3	2.5	2.8	2.5	2.2
10	H K H - 1177	2.6	1.3	2.0	1.6	1.8	2.3	3.5	2.5	2.0	2.5	1.6	2.0	2.2
11	H K H - 1188	2.5	1.5	2.3	1.9	2.0	2.3	3.0	2.4	1.8	2.3	2.3	2.1	2.2
12	R - 9903	2.7	2.5	2.0	2.3	2.3	2.7	2.5	2.5	1.8	2.5	2.8	2.4	2.4
13	D E H - 10702	2.6	1.5	2.3	1.9	2.8	3.0	3.0	2.9	2.4	2.3	2.0	2.2	2.4
14	A H - 017 061	2.7	2.5	2.0	2.3	3.0	3.0	3.0	3.0	2.3	2.4	2.4	2.3	2.6
15	A H - 01409	2.8	1.5	2.0	1.8	2.5	3.0	2.0	2.5	1.8	2.5	2.4	2.2	2.3
16	M C H - 5	2.5	1.0	2.3	1.6	2.3	1.3	2.0	1.9	2.1	1.5	2.0	1.9	1.9
17	X - 1150 Y	2.5	1.5	2.5	2.0	2.0	1.7	2.5	2.1	2.2	2.9	2.1	2.4	2.2
18	X - 2182	2.5	1.0	1.8	1.4	2.8	3.0	2.8	2.8	2.2	2.4	1.6	2.1	2.2
19	SEEDTEC - 122	2.6	2.0	2.0	2.0	2.3	2.7	2.5	2.5	2.2	2.4	1.6	2.1	2.2
20	BISCO - 2434	2.4	1.0	2.0	1.5	2.3	2.0	2.0	2.1	2.0	2.3	1.6	2.0	2.0
21	P R O - 357	2.5	1.5	2.3	1.9	2.0	2.3	3.5	2.6	1.8	2.3	2.4	2.1	2.3
22	P A C 71006	2.6	1.0	2.0	1.5	2.3	2.0	2.3	2.2	2.2	2.6	2.0	2.3	2.1
23	P M Z - 135	2.5	1.5	2.3	1.9	2.3	1.7	2.8	2.2	2.0	2.1	2.3	2.1	2.1
24	FILLER	2.4	1.0	2.5	1.8	2.0	2.3	2.5	2.3	2.3	2.0	2.5	2.3	2.2
25	A A M H - 363	2.5	2.5	2.3	2.4	2.3	2.7	1.0	2.0	1.9	2.1	1.9	2.0	2.1
	CHECKS:													
26	MEGHA	3.1	2.0	2.3	2.1	2.5	3.0	2.3	2.6	2.5	2.3	2.4	2.4	2.5
27	P E H M - 2	2.7	1.0	2.0	1.5	2.8	3.0	2.3	2.7	2.2	2.1	2.3	2.2	2.3
28	MAHI KANCHAN	2.6	1.8	2.3	2.0	2.8	3.0	3.0	2.9	2.6	2.5	3.0	2.7	2.6
29	X - 3342	2.4	1.3	1.8	1.5	3.0	2.7	2.8	2.8	2.2	1.8	1.5	1.8	2.1
	MEAN LOCATION	2.6	1.5	2.1	1.8	2.3	2.5	2.4	2.4	2.1	2.3	2.1	2.2	2.2
	C.D. AT 5%=	0.2	0.2	0.6	0.4	0.2	0.9	0.7	0.6	0.4	0.4	0.3	0.4	-
	C.V. % =	5.2	7.5	14.7	-	7.4	23.2	22.1	-	14.8	11.0	10.3	-	-
	F (Prob)	.000	.000	.727	-	.000	.002	.000	-	.001	.000	.000	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN	VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN
1	KM H - 2	254	235	177	205	206	177	228	202	169	238	179	194	195
2	KM H - 5	236	200	197	195	197	184	221	202	174	239	191	182	197
3	F H - 3227	224	223	175	182	193	182	219	200	174	214	152	181	180
4	J H - 3851	217	205	182	185	191	174	210	192	161	216	173	184	184
5	J H - 3964	249	228	198	199	208	194	215	204	164	231	183	185	191
6	J H - 31006	217	205	182	196	194	177	208	192	156	210	173	177	179
7	J H - 31027	216	190	173	189	184	172	201	186	174	212	142	179	177
8	E H - 31011	219	203	185	177	188	174	215	194	173	218	156	181	182
9	B H - 2862	221	220	193	194	203	182	204	193	171	220	170	184	186
10	H K H - 1177	227	208	180	183	190	206	209	207	174	220	159	177	183
11	H K H - 1188	227	210	178	189	193	172	213	192	168	228	167	176	185
12	R - 9903	239	215	185	198	199	196	213	204	169	228	183	186	191
13	D E H - 10702	210	193	158	178	176	180	200	190	171	218	161	167	179
14	A H - 017 061	258	225	193	207	209	192	215	203	179	236	175	183	193
15	A H - 01409	218	193	168	194	185	160	207	183	154	205	179	176	178
16	M C H - 5	244	210	182	194	195	189	207	198	171	227	177	173	187
17	X - 1150 Y	240	208	197	218	208	176	217	196	175	221	171	185	188
18	X - 2182	228	223	188	187	199	194	222	208	163	223	174	180	185
19	SEEDTEC - 122	218	210	172	188	190	173	191	182	155	209	170	178	178
20	BISCO - 2434	230	218	170	185	191	204	228	216	168	224	189	184	191
21	P R O - 357	227	223	195	188	202	165	212	188	168	215	162	178	181
22	P A C 71006	232	220	200	189	203	196	213	204	154	228	173	186	185
23	P M Z - 135	231	208	200	190	199	189	199	194	159	223	179	170	182
24	FILLER	228	203	195	191	196	326	214	270	168	224	182	188	190
25	A A M H - 363	237	218	173	193	195	171	212	191	171	216	187	165	185
	CHECKS:													
26	MEGHA	254	230	210	204	215	191	218	204	164	228	196	188	194
27	P E H M - 2	217	230	188	180	199	192	209	200	183	222	178	180	190
28	MAHI KANCHAN	253	230	177	162	189	175	215	195	171	218	168	172	182
29	X - 3342	225	215	173	210	200	193	216	204	164	223	161	179	182
	MEAN LOCATION	231	214	184	191	196	188	212	200	168	222	173	180	186
	C.D. AT 5%=	8.6	15.0	11.1	19.8	15.3	44.5	12.4	28.5	26.1	13.6	23.6	8.2	17.9
	C.V. % =	2.3	4.3	3.7	6.3	-	14.5	4.2	-	11.1	4.4	8.3	3.2	-
	F (Prob)	.000	.000	.000	.001	-	.000	.000	-	.919	.000	.009	.000	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	EAR HEIGHT (cm) ZN 1 ALMO	DELH	KARN	PANT	ZN 2 MEAN
1	KM H - 2	240	153	175	165	183	199	134	98	92	93	94
2	KM H - 5	253	171	174	152	187	198	121	88	97	82	89
3	F H - 3227	214	159	155	152	170	186	104	85	77	77	80
4	J H - 3851	230	153	155	150	172	185	108	85	107	72	88
5	J H - 3964	239	161	170	175	186	199	129	103	105	87	98
6	J H - 31006	211	141	169	147	167	183	111	88	80	86	84
7	J H - 31027	186	136	139	120	145	173	109	83	85	87	85
8	E H - 31011	215	118	154	132	154	180	116	100	100	69	90
9	B H - 2862	216	154	168	150	172	189	112	95	102	81	92
10	H K H - 1177	215	143	165	143	166	186	107	83	88	70	80
11	H K H - 1188	233	144	169	148	173	187	106	90	90	79	86
12	R - 9903	214	154	176	167	178	194	130	93	95	80	89
13	D E H - 10702	204	133	159	127	155	176	105	85	83	68	79
14	A H - 017 061	234	153	160	167	178	198	142	113	92	91	98
15	A H - 01[illegible]09	219	155	156	130	165	179	113	85	92	83	87
16	M C H - 5	203	141	159	143	161	187	131	93	98	78	90
17	X - 1150 Y	241	159	160	143	176	194	118	93	93	98	95
18	X - 2182	235	160	165	157	179	193	118	105	93	78	92
19	SEEDTEC - 122	210	160	163	157	172	182	107	93	87	73	84
20	BISCO - 2434	223	160	163	155	175	193	123	95	97	79	90
21	P R O - 357	215	144	168	157	171	187	113	100	95	83	93
22	P A C 71006	216	163	159	153	173	192	116	105	107	83	98
23	P M Z - 135	214	141	173	150	169	187	107	100	103	81	95
24	FILLER	223	153	168	155	174	201	108	80	102	71	84
25	A A M H - 363	223	160	174	145	175	189	100	80	75	70	75
	CHECKS:											
26	MEGHA	241	181	179	165	192	203	141	103	113	93	103
27	P E H M - 2	214	154	159	153	170	190	116	105	82	83	90
28	MAHI KANCHAN	235	144	160	152	173	188	138	103	87	60	83
29	X - 3342	211	165	185	143	176	190	109	105	92	98	98
	MEAN LOCATION	222	152	165	150	172	189	117	94	93	80	89
	C.D. AT 5%=	22.2	9.7	15.9	19.8	16.9	-	9.4	12.2	10.4	13.3	12.0
	C.V. % =	7.1	4.6	6.9	8.1	-	-	4.9	8.0	6.8	10.1	-
	F (Prob)	.000	.000	.000	.000	-	-	.000	.000	.000	.000	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	KM H - 2	51	87	69	105	87	79	94	91	101	64	82	75	80	89
2	KM H - 5	67	87	77	106	97	86	82	93	110	76	84	55	81	88
3	F H - 3227	64	68	66	101	81	64	81	82	88	71	63	58	70	77
4	J H - 3851	63	71	67	108	78	68	84	85	93	68	70	67	74	81
5	J H - 3964	59	82	70	106	91	78	85	90	86	83	71	78	79	89
6	J H - 31006	54	71	62	103	80	76	77	84	84	44	82	57	66	78
7	J H - 31027	67	66	66	105	81	65	79	82	68	51	54	47	55	75
8	E H - 31011	51	70	60	103	86	69	81	85	86	54	79	63	71	80
9	B H - 2862	67	69	68	100	85	72	84	85	85	59	70	65	70	82
10	H K H - 1177	65	67	66	103	71	63	77	78	86	63	70	60	70	76
11	H K H - 1188	58	76	67	100	82	80	76	84	100	65	76	63	76	82
12	R - 9903	65	75	70	101	87	85	86	90	95	75	81	75	82	87
13	D E H - 10702	76	64	70	101	77	65	67	77	86	44	69	52	63	74
14	A H - 017.061	69	88	79	103	95	76	83	89	109	63	78	85	83	92
15	A H - 01409	75	75	75	103	88	77	76	86	95	53	85	57	72	82
16	M C H - 5	55	77	66	101	90	75	73	85	84	69	75	63	73	83
17	X - 1150 Y	48	78	63	100	81	62	85	82	100	40	75	57	68	80
18	X - 2182	69	82	75	101	90	81	80	88	104	65	75	67	78	86
19	SEEDTEC - 122	63	72	67	103	75	71	78	82	79	70	66	72	72	79
20	BISCO - 2434	79	85	82	103	93	80	84	90	93	65	93	78	82	89
21	P R O - 357	46	74	60	108	77	65	78	82	84	59	75	70	72	80
22	P A C 71006	72	84	78	106	93	68	86	88	94	70	78	67	77	88
23	P M Z - 135	71	73	72	104	92	77	70	85	98	68	80	62	77	85
24	FILLER	53	77	65	104	81	78	88	88	90	64	74	75	76	82
25	A A M H - 363	40	62	51	110	71	70	65	79	70	59	56	45	58	69
	CHECKS:														
26	MEGHA	78	84	81	109	99	86	88	95	113	80	98	75	91	97
27	P E H M - 2	62	75	69	104	90	77	80	88	93	59	78	75	76	84
28	MAHI KANCHAN	67	75	71	105	82	69	72	82	103	53	68	62	71	81
29	X - 3342	66	77	71	100	89	68	79	84	89	73	94	67	80	86
	MEAN LOCATION	63	75	69	104	85	73	80	85	92	63	76	65	74	83
	C.D. AT 5%=	2.1	9.0	5.6	8.2	12.5	13.4	8.2	10.6	17.7	7.3	13.4	14.1	13.1	-
	C.V. % =	2.1	8.5	-	5.6	10.4	11.2	7.3	-	13.7	8.3	12.6	13.2	-	-
	F (Prob)	.000	.000	-	.628	.000	.005	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	H. turc.* ALMO	H. may.* ALMO	PHYSO. * ALMO	EAR No. / PLANT ZN 1 ALMO	ZN 2 DELH	VARA	AMBI	ZN 3 MEAN	BANG MONS	BANG PROA	MAND	ZN 4 MEAN
1	KM H - 2	1.7	2.0	2.1	1.02	0.96	0.92	1.17	1.04	1.00	1.09	0.96	1.01
2	KM H - 5	1.5	1.7	2.4	1.02	1.00	0.90	1.14	1.02	1.00	1.05	0.97	1.01
3	F H - 3227	1.6	1.7	2.3	0.97	1.07	0.91	1.04	0.97	1.01	1.09	0.95	1.02
4	J H - 3851	3.5	1.7	2.5	1.03	0.98	0.97	1.22	1.10	0.99	1.10	0.92	1.01
5	J H - 3964	2.0	1.5	1.8	1.00	1.04	0.91	1.09	1.00	1.00	1.04	1.00	1.01
6	J H - 31006	3.2	1.5	2.4	0.98	1.03	1.01	1.01	1.01	1.05	1.06	0.80	0.97
7	J H - 31027	3.3	2.1	1.7	1.00	1.06	0.95	1.01	0.98	1.01	1.07	0.99	1.02
8	E H - 31011	1.8	2.2	2.2	0.97	0.92	0.88	0.99	0.93	1.04	1.11	0.97	1.04
9	B H - 2862	1.2	2.2	1.6	1.07	1.00	0.90	1.10	1.00	1.02	1.07	1.02	1.04
10	H K H - 1177	3.2	1.6	2.4	1.08	1.12	0.97	1.01	0.99	1.00	1.08	1.02	1.03
11	H K H - 1188	3.5	1.5	1.6	1.03	1.14	0.94	1.06	1.00	1.01	1.00	0.97	0.99
12	R - 9903	2.6	1.7	2.3	1.00	0.99	0.95	1.01	0.98	1.01	1.01	1.03	1.01
13	D E H - 10702	3.1	1.8	2.1	0.99	1.03	0.91	1.21	1.06	1.01	1.11	1.01	1.04
14	A H - 017 061	2.3	1.9	2.0	0.92	1.05	0.89	1.18	1.04	1.01	1.01	0.97	1.00
15	A H - 01409	1.3	2.0	1.8	1.03	1.15	0.89	1.07	0.98	1.00	1.05	0.87	0.97
16	M C H - 5	1.2	1.2	3.2	0.97	0.96	0.96	1.05	1.00	1.00	1.06	0.98	1.01
17	X - 1150 Y	1.9	1.9	1.7	1.03	1.11	0.95	1.18	1.07	0.99	1.05	1.00	1.01
18	X - 2182	1.4	1.5	1.7	1.02	1.01	0.94	1.01	0.97	0.96	1.00	0.97	0.98
19	SEEDTEC - 122	1.3	1.6	1.5	0.98	1.01	0.97	1.12	1.04	0.99	1.10	0.90	1.00
20	BISCO - 2434	1.3	1.3	1.8	1.07	1.02	0.97	1.18	1.08	0.94	1.02	0.98	0.98
21	P R O - 357	1.2	1.6	1.8	0.98	1.00	0.97	1.08	1.02	0.95	1.00	0.97	0.97
22	P A C 71006	1.8	2.0	2.6	1.13	1.08	1.00	1.03	1.02	1.02	1.03	0.87	0.97
23	P M Z - 135	1.3	1.3	1.9	1.02	0.99	0.98	0.98	0.98	1.01	1.02	0.95	0.99
24	FILLER	1.3	1.5	1.8	1.04	1.03	0.93	1.03	0.98	1.00	1.06	0.94	1.00
25	A A M H - 363	2.3	2.0	1.4	1.06	1.06	0.95	1.13	1.04	1.03	1.00	1.09	1.04
	CHECKS:												
26	MEGHA	3.3	1.7	1.9	1.00	1.05	0.94	1.14	1.04	0.99	1.12	1.01	1.04
27	P E H M - 2	1.9	1.4	2.4	1.00	1.05	0.97	1.08	1.02	1.03	1.06	0.95	1.01
28	MAHI KANCHAN	3.4	1.8	1.4	1.06	1.01	0.92	1.05	0.98	1.02	1.02	0.96	1.00
29	X - 3342	1.7	1.8	2.4	1.03	1.09	0.98	1.05	1.02	1.00	1.00	0.98	0.99
	MEAN LOCATION	2.1	1.7	2.0	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-
	C.V. % =	15.6	17.5	15.6	-	-	-	-	-	-	-	-	-
	F (Prob)	.000	.003	.000	-	-	-	-	-	-	-	-	-

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT					STAND AT HARVEST				
		UDAI	BANS	GODH	ZN 5 MEAN	OV'L MEAN	ALMO	DELH	KARN	PANT	VARA
1	KM H - 2	1.00	1.01	1.02	1.01	1.01	21	35	26	29	37
2	KM H - 5	0.87	0.95	1.02	0.95	0.99	22	40	23	36	37
3	F H - 3227	1.00	1.12	1.00	1.04	1.02	19	41	27	23	33
4	J H - 3851	1.00	0.94	1.17	1.04	1.03	21	41	28	40	36
5	J H - 3964	1.00	1.13	1.04	1.06	1.03	19	38	27	33	35
6	J H - 31006	0.94	1.04	1.06	1.01	1.00	23	43	25	34	38
7	J H - 31027	1.00	0.98	1.02	1.00	1.01	20	36	27	28	33
8	E H - 31011	1.01	1.07	1.08	1.05	1.01	19	40	25	21	38
9	B H - 2862	1.01	0.96	1.21	1.06	1.04	21	31	27	29	34
10	H K H - 1177	1.00	0.93	1.02	0.98	1.02	21	36	25	30	39
11	H K H - 1188	1.00	0.93	1.01	0.98	1.01	20	33	24	26	36
12	R - 9903	1.00	0.87	1.04	0.97	0.99	17	36	25	34	32
13	D E H - 10702	1.00	0.88	1.02	0.97	1.02	20	36	25	33	32
14	A H - 017 061	1.00	0.85	1.16	1.00	1.00	20	39	25	32	35
15	A H - 01409	1.00	0.86	1.09	0.98	1.00	19	39	25	26	35
16	M C H - 5	1.00	1.05	1.05	1.03	1.01	22	47	26	34	40
17	X - 1150 Y	1.02	0.86	1.10	0.99	1.03	18	46	28	35	36
18	X - 2182	1.01	1.00	1.00	1.00	0.99	21	44	27	37	41
19	SEEDTEC - 122	1.00	0.96	1.01	0.99	1.00	22	36	26	32	37
20	BISCO - 2434	1.01	1.01	1.02	1.01	1.02	22	39	27	22	36
21	P R O - 357	0.99	0.87	1.13	0.99	0.99	22	42	26	34	38
22	P A C 71006	0.89	1.02	1.07	0.99	1.01	20	39	28	35	38
23	P M Z - 135	1.01	1.00	1.06	1.02	1.00	20	36	26	32	33
24	FILLER	1.00	1.07	1.16	1.08	1.03	20	36	25	27	31
25	A A M H - 363	1.01	1.03	1.01	1.02	1.04	19	38	24	27	31
	CHECKS:										
26	MEGHA	1.00	1.05	1.05	1.03	1.03	21	42	25	31	36
27	P E H M - 2	1.01	1.02	1.00	1.01	1.02	19	43	27	36	40
28	MAHI KANCHAN	1.00	1.03	1.05	1.03	1.01	19	35	27	33	24
29	X - 3342	1.02	1.03	1.02	1.02	1.02	21	39	25	34	38
	MEAN LOCATION	-	-	-	-	-	20	39	26	31	36
	C.D. AT 5%=	-	-	-	-	-	2.3	7.6	2.8	5.9	4.9
	C.V. % =	-	-	-	-	-	6.9	11.9	6.6	11.5	8.5
	F (Prob)	-	-	-	-	-	.000	.016	.015	.000	.000

TABLE NO. 6 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST DHOL	AMBI	ARBH	BANG MONS	BANG PROA	MAND	COIM	UDAI	BANS	GODH	CHHI	OV'L MEAN
1	KM H - 2	40	35	35	38	32	42	37	33	28	29	26	33
2	KM H - 5	26	37	39	39	32	38	37	33	30	34	29	33
3	F H - 3227	34	34	34	37	34	38	38	29	29	27	25	31
4	J H - 3851	38	39	41	39	34	43	37	38	30	33	30	35
5	J H - 3964	38	37	39	39	33	38	38	32	33	31	27	34
6	J H - 31006	35	37	40	37	33	40	37	32	28	37	33	35
7	J H - 31027	31	33	39	35	32	38	38	35	27	27	24	31
8	E H - 31011	26	26	31	36	32	39	38	35	27	25	20	30
9	B H - 2862	40	36	40	37	31	37	37	28	27	15	25	31
10	H K H - 1177	39	37	33	38	32	41	38	24	28	30	24	32
11	H K H - 1188	35	36	34	38	32	39	37	31	26	31	27	31
12	R - 9903	28	38	36	38	34	37	37	29	29	27	30	32
13	D E H - 10702	42	31	38	35	31	40	37	28	25	31	26	32
14	A H - 017 061	38	37	37	40	33	41	38	31	24	29	29	33
15	A H - 01409	29	36	36	38	33	38	37	31	28	28	22	31
16	M C H - 5	33	37	34	43	33	40	37	29	25	26	32	34
17	X - 1150 Y	27	35	41	37	33	40	38	29	26	30	21	32
18	X - 2182	34	38	39	41	34	42	37	33	27	33	30	35
19	SEEDTEC - 122	42	32	39	38	32	42	37	38	27	35	36	34
20	BISCO - 2434	37	38	40	41	34	40	38	35	24	23	28	33
21	P R O - 357	39	38	39	42	33	40	37	29	27	30	27	34
22	P A C 71006	37	36	43	40	34	44	37	35	24	26	27	34
23	P M Z - 135	39	35	43	40	33	42	37	31	25	28	26	33
24	FILLER	39	35	37	38	34	37	38	37	26	23	27	32
25	A A M H - 363	35	38	34	36	32	38	37	33	28	27	24	31
	CHECKS:												
26	MEGHA	36	32	36	35	34	38	37	24	26	32	24	32
27	P E H M - 2	37	37	40	39	33	41	38	34	33	28	25	34
28	MAHI KANCHAN	29	33	25	34	30	35	38	22	26	15	22	28
29	X - 3342	38	36	42	35	32	39	38	29	27	29	29	33
	MEAN LOCATION	35	35	37	38	33	40	37	31	27	28	27	32
	C.D. AT 5%=	15.1	4.5	5.1	5.2	2.1	5.9	0.9	6.3	4.7	5.3	10.3	-
	C.V. % =	21.1	9.0	9.7	9.7	4.7	9.1	1.7	14.4	12.4	13.5	23.5	-
	F (Prob)	.696	.000	.000	.115	.017	.423	.110	.000	.035	.000	.480	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 7

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT ALMORA, DELHI, LUDHIANA, KARNAL, PANTNAGAR, BELIPAR GORAKHPUR, VARANASI, DHOLI, RANCHI, JASHIPUR, AMBIKAPUR, ARBHAVI, PROAGRO BANGALORE, MANDYA, COIMBATORE, KOLHAPUR, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR64 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 ALMO	R	DELH	R	LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R
1	D E H - 10302	5694	17	3186	17	1893	18	3511	13	3554	11	3036	18
2	H K H - 1183	5625	18	3535	15	2432	10	4305	6	2905	18	3294	13
3	H K H - 1185	6869	12	4367	5	2360	11	4775	3	3762	8	3816	6
4	H K H - 1199	6210	14	4282	6	2351	12	3908	8	2945	17	3372	11
5	H K H - 1210	6793	13	3744	12	2788	3	3725	10	3572	10	3457	9
6	H K H - 1214	5237	19	3990	11	2491	9	3128	19	3455	12	3266	15
7	F H - 3208	6900	11	3024	19	2231	13	3341	16	4187	4	3196	16
8	F H - 3210	7046	10	3660	13	2170	15	4284	7	3314	15	3357	12
9	F H - 3215	8082	6	4794	2	2538	8	3645	11	4341	3	3829	5
10	A H - 017049	7793	8	3513	16	1966	17	3523	12	3449	13	3113	17
11	A H - 014 16	8037	7	4260	7	2678	5	3858	9	2977	16	3443	10
12	SEEDTEC - 205	8123	5	4164	9	2710	4	4753	4	4112	5	3935	4
13	SEEDTEC - 1307	8577	4	4180	8	1696	19	3178	18	4047	7	3275	14
14	BISCO - 2051	7487	9	4521	4	2543	7	4636	5	4105	6	3951	3
15	BISCO - C 35	10401	1	6185	1	2876	2	3503	14	5476	1	4510	1
16	P R O - 356	9682	3	3580	14	2639	6	3246	17	4427	2	3473	8
17	JKMH - 495	10248	2	4581	3	3080	1	5129	1	3755	9	4136	2
	CHECKS:												
18	SURYA	5815	15	4095	10	1985	16	5040	2	2883	19	3501	7
19	HIM - 129	5743	16	3083	18	2203	14	3364	15	3404	14	3014	19
	MEAN YIELD=	7388		4039		2402		3940		3719		3525	
	MEAN STAND	20		35		36		24		37		33	
	C.D. AT 5%=	900		1373		478		844		628		831	
	C.V. % =	8.60		20.55		14.05		12.94		11.92		-	
	F (Prob)	.000		.018		.000		.000		.000		-	
	PLOT SIZE=	3.60		7.50		5.20		3.90		7.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	4-07		4-07		15-07		27-06		28-06		-	
	HARVEST DATE(2002)	31-10		16-10		14-10		22-09		7-10		-	
	IRRIGATION Nos	-		-		-		3		2		-	
	FERTILIZER APPLIED N	80		120		80		150		120		-	
	P	60		80		40		60		60		-	
	K	40		60		-		60		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMAIM (BARAPANI) 90.0%

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3 MEAN	R
		GORA BELI	R	VARA	R	DHOL	R	RANC	R	JASH	R	AMBI	R		
1	D E H - 10302	3888	17	4069	14	1638	17	2573	12	3572	18	3730	9	3245	16
2	H K H - 1183	3439	18	4383	12	1747	13	2511	16	3683	14	3508	13	3212	17
3	H K H - 1185	4496	9	4492	11	1992	6	2548	14	3923	11	3269	15	3453	10
4	H K H - 1199	4296	12	4779	6	1768	12	2616	10	3630	17	2956	19	3341	14
5	H K H - 1210	4421	11	4566	9	2155	4	2305	17	4392	6	3334	14	3529	8
6	H K H - 1214	4170	14	3429	16	1871	8	2206	19	3561	19	4382	3	3270	15
7	F H - 3208	5871	3	4556	10	1823	11	2800	7	3631	16	4305	4	3831	5
8	F H - 3210	4869	5	4813	5	1987	7	2259	18	3973	9	3236	16	3523	9
9	F H - 3215	4256	13	4710	8	1698	14	2578	11	4273	8	3192	18	3451	11
10	A H - 017049	4658	7	4980	3	1843	9	3080	3	4501	5	3782	8	3807	6
11	A H - 014 16	4462	10	3719	15	1518	18	2552	13	3907	12	3928	7	3348	13
12	SEEDTEC - 205	4581	8	4994	2	2031	5	3195	2	3963	10	4019	6	3797	7
13	SEEDTEC - 1307	3951	16	4888	4	2246	3	3333	1	5057	4	3709	10	3864	4
14	BISCO - 2051	5001	4	5061	1	2259	2	3019	5	5497	2	3234	17	4012	3
15	BISCO - C 35	6088	2	4116	13	3016	1	2824	6	6527	1	5311	1	4647	1
16	P R O - 356	6114	1	4714	7	1505	19	2718	9	5477	3	4468	2	4166	2
17	JKMH - 495	4810	6	2870	19	1664	16	2725	8	4280	7	4156	5	3418	12
	CHECKS:														
18	SURYA	3981	15	3062	18	1698	15	3067	4	3654	15	3596	12	3176	18
19	HIM - 129	3064	19	3380	17	1841	10	2516	15	3821	13	3696	11	3053	19
	MEAN YIELD=	4548		4294		1911		2707		4280		3780		3586	
	MEAN STAND	33		36		33		32		28		32		32	
	C.D. AT 5%=	492		484		636		1160		307		816		649	
	C.V. % =	7.63		6.82		23.50		25.91		5.06		15.24		-	
	F (Prob)	.000		.000		.049		.511		.000		.000		-	
	PLOT SIZE=	6.00		7.50		7.50		7.00		6.00		7.50		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	2-07		1-07		25-07		25-07		29-06		27-06		-	
	HARVEST DATE(2002)	4-10		10-10		30-10		2-11		5-10		-		-	
	IRRIGATION Nos	-		2		-		2		-		-		-	
	FERTILIZER APPLIED N	120		80		100		100		120		80		-	
	P	60		40		60		60		60		40		-	
	K	60		40		40		40		60		20		-	

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN 4 MEAN	R
		ARBH	R	BANG PROA	R	MAND	R	COIM	R	KOLH	R		
1	D E H - 10302	4185	17	4914	17	4778	15	5782	8	1948	16	4321	16
2	H K H - 1183	4695	10	6029	11	3808	18	5574	11	1995	15	4420	15
3	H K H - 1185	4833	9	5234	14	4110	17	5166	14	2905	7	4450	14
4	H K H - 1199	3883	19	5207	15	4933	14	5750	9	1117	18	4178	17
5	H K H - 1210	4442	15	6713	6	2935	19	6484	2	2543	10	4623	13
6	H K H - 1214	4036	18	3980	19	5037	13	4777	18	722	19	3710	19
7	F H - 3208	4584	13	5591	13	5596	11	5928	5	3046	6	4949	10
8	F H - 3210	4632	12	5889	12	5507	12	5077	17	2635	8	4748	12
9	F H - 3215	4634	11	8343	3	7778	4	6290	3	2128	13	5835	5
10	A H - 017049	5839	2	6584	9	6795	9	5415	12	2608	9	5448	8
11	A H - 014 16	4966	8	7754	5	6810	8	5858	6	1810	17	5439	9
12	SEEDTEC - 205	5243	7	6127	10	6990	6	5691	10	3601	2	5530	7
13	SEEDTEC - 1307	5505	6	8312	4	8461	3	5110	15	2531	11	5984	3
14	BISCO - 2051	5695	4	6704	7	6810	7	4721	19	3885	1	5563	6
15	BISCO - C 35	6408	1	10128	1	10602	1	5823	7	3472	3	7287	1
16	P R O - 356	5522	5	6589	8	8569	2	5991	4	3158	5	5966	4
17	JKMH - 495	5757	3	9140	2	7399	5	6667	1	3179	4	6429	2
	CHECKS:												
18	SURYA	4252	16	4654	18	4391	16	5093	16	2111	14	4100	18
19	HIM - 129	4449	14	5181	16	6381	10	5251	13	2496	12	4752	11
	MEAN YIELD=	4924		6478		6194		5603		2521		5144	
	MEAN STAND	39		32		37		37		44		38	
	C.D. AT 5%=	811		1357		1535		612		1188		1101	
	C.V. % =	11.63		14.79		14.98		7.71		28.48		-	
	F (Prob)	.000		.000		.000		.000		.000		-	
	PLOT SIZE=	7.50		5.53		7.00		7.50		6.00		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	27-07		3-07		25-07		5-07		20-07		-	
	HARVEST DATE(2002)	1-11		16-10		16-11		14-10		17-11		-	
	IRRIGATION Nos	6		-		5		7		-		-	
	FERTILIZER APPLIED N	150		150		150		135		100		-	
	P	75		60		75		63		50		-	
	K	38		40		40		50		30		-	

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		UDAI	R	BANS	R	GODH	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
1	D E H - 10302	3529	12	2553	15	3842	9	3199	16	3281	14	3602	17
2	H K H - 1183	4355	6	3329	1	3469	14	3326	13	3619	6	3733	14
3	H K H - 1185	2925	17	2582	13	4701	2	3426	10	3409	12	3937	12
4	H K H - 1199	1323	19	2731	11	3310	16	3533	8	2724	18	3576	18
5	H K H - 1210	3694	10	2820	9	3814	10	3742	5	3517	9	3949	11
6	H K H - 1214	1439	18	2515	17	3152	17	3006	19	2528	19	3329	19
7	F H - 3208	3446	14	2837	8	3773	11	3287	14	3336	13	4038	10
8	F H - 3210	3016	16	2568	14	3537	13	3378	11	3125	17	3892	13
9	F H - 3215	4312	7	2489	18	3363	15	3719	6	3471	10	4358	7
10	A H - 017049	4517	5	2983	4	3871	8	3747	4	3779	5	4272	8
11	A H - 014 16	5242	4	2273	19	2828	19	3928	3	3568	8	4168	9
12	SEEDTEC - 205	3457	13	2975	5	4310	3	3133	17	3469	11	4409	6
13	SEEDTEC - 1307	5849	3	2553	16	4246	4	3245	15	3973	3	4534	4
14	BISCO - 2051	3826	9	2942	6	4204	5	3444	9	3604	7	4480	5
15	BISCO - C 35	7699	1	2908	7	4707	1	3642	7	4739	1	5586	1
16	P R O - 356	4301	8	2590	12	3983	6	4396	1	3818	4	4683	3
17	JKMH - 495	5953	2	2993	3	3898	7	3986	2	4208	2	4814	2
	CHECKS:												
18	SURYA	3645	11	3071	2	2928	18	3040	18	3171	16	3603	16
19	HIM - 129	3362	15	2811	10	3583	12	3355	12	3278	15	3649	15
	MEAN YIELD=	3994		2764		3764		3502		3506		4137	
	MEAN STAND	31		25		24		26		26		32	
	C.D. AT 5%=	595		464		1043		593		674		816	
	C.V. % =	10.52		11.86		19.56		11.96		-		-	
	F (Prob)	.000		.235		.005		.000		-		-	
	PLOT SIZE=	6.00		6.00		6.00		6.00		-		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		20-07		5-07		29-06		-		-	
	HARVEST DATE(2002)	1-10		26-10		8-10		11-10		-		-	
	IRRIGATION Nos	2		-		-		-		-		-	
	FERTILIZER APPLIED N	90		80		100		100		-		-	
	P	60		60		50		50		-		-	
	K	-		-		-		30		-		-	

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD ZN 1 ALMO	% SUPERIORITY OVER THE SURYA DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	D E H - 10302	-	-	-	-	23.26	-
2	H K H - 1183	-	-	22.48	-	0.76	-
3	H K H - 1185	18.14	6.64	18.86	-	30.48	9.00
4	H K H - 1199	6.81	4.57	18.44	-	2.15	-
5	H K H - 1210	16.83	-	40.41	-	23.89	-
6	H K H - 1214	-	-	25.48	-	19.82	-
7	F H - 3208	18.66	-	12.40	-	45.21	-
8	F H - 3210	21.18	-	9.31	-	14.93	-
9	F H - 3215	39.00	17.07	27.85	-	50.56	9.39
10	A H - 017049	34.03	-	-	-	19.61	-
11	A H - 014 16	38.22	4.02	34.88	-	3.26	-
12	SEEDTEC - 205	39.70	1.68	36.50	-	42.62	12.40
13	SEEDTEC - 1307	47.51	2.07	-	-	40.37	-
14	BISCO - 2051	28.77	10.40	28.08	-	42.39	12.87
15	BISCO - C 35	78.88	51.05	44.87	-	89.92	28.83
16	P R O - 356	66.51	-	32.92	-	53.55	-
17	JKMH - 495	76.25	11.87	55.16	1.77	30.23	18.15
	CHECKS:						
18	SURYA	-	-	-	-	-	-
19	HIM - 129	-	-	10.98	-	18.08	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA GORA BELI	VARA	DHOL	RANC	JASH	AMBI	ZN 3 MEAN	ARBH	BANG PROA	MAND
1	D E H - 10302	-	32.87	-	-	-	3.72	2.16	-	5.57	8.80
2	H K H - 1183	-	43.12	2.85	-	0.79	-	1.11	10.43	29.53	-
3	H K H - 1185	12.94	46.67	17.29	-	7.34	-	8.72	13.67	12.46	-
4	H K H - 1199	7.91	56.07	4.09	-	-	-	5.17	-	11.87	12.34
5	H K H - 1210	11.04	49.09	26.90	-	20.17	-	11.09	4.49	44.23	-
6	H K H - 1214	4.74	11.96	10.18	-	-	21.87	2.94	-	-	14.70
7	F H - 3208	47.48	48.76	7.37	-	-	19.71	20.60	7.83	20.11	27.42
8	F H - 3210	22.29	57.17	17.01	-	8.72	-	10.91	8.95	26.52	25.41
9	F H - 3215	6.90	53.81	0.00	-	16.93	-	8.65	9.00	79.24	77.13
10	A H - 017049	17.00	62.63	8.52	0.43	23.16	5.17	19.86	37.35	41.47	54.73
11	A H - 014 16	12.09	21.45	-	-	6.90	9.24	5.39	16.80	66.59	55.08
12	SEEDTEC - 205	15.08	63.08	19.61	4.18	8.45	11.75	19.54	23.32	31.63	59.17
13	SEEDTEC - 1307	-	59.61	32.27	8.67	38.38	3.15	21.64	29.48	78.57	92.68
14	BISCO - 2051	25.61	65.26	33.05	-	50.42	-	26.30	33.95	44.03	55.08
15	BISCO - C 35	52.93	34.42	77.58	-	78.61	47.69	46.30	50.72	117.60	141.43
16	P R O - 356	53.57	53.92	-	-	49.88	24.24	31.15	29.87	41.57	95.13
17	JKMH - 495	20.83	-	-	-	17.12	15.58	7.59	35.42	96.38	68.49
	CHECKS:										
18	SURYA	-	-	-	-	-	-	-	-	-	-
19	HIM - 129	-	10.38	8.43	-	4.56	2.79	-	4.65	11.32	45.30

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD COIM	KOLH	% SUPERIORITY OVER THE SURYA ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	13.53	-	5.39	-	-	31.19	5.22	3.46	-
2	H K H - 1183	9.46	-	7.81	19.48	8.39	18.45	9.38	14.14	3.59
3	H K H - 1185	1.45	37.61	8.52	-	-	60.52	12.69	7.49	9.26
4	H K H - 1199	12.91	-	1.90	-	-	13.04	16.18	-	-
5	H K H - 1210	27.31	20.47	12.76	1.34	-	30.23	23.09	10.92	9.60
6	H K H - 1214	-	-	-	-	-	7.62	-	-	-
7	F H - 3208	16.41	44.30	20.70	-	-	28.83	8.12	5.19	12.07
8	F H - 3210	-	24.80	15.80	-	-	20.77	11.12	-	8.03
9	F H - 3215	23.52	0.81	42.30	18.32	-	14.84	22.32	9.45	20.96
10	A H - 017049	6.32	23.54	32.88	23.92	-	32.19	23.25	19.18	18.57
11	A H - 014 16	15.02	-	32.66	43.84	-	-	29.18	12.51	15.68
12	SEEDTEC - 205	11.76	70.58	34.88	-	-	47.19	3.04	9.38	22.35
13	SEEDTEC - 1307	0.34	19.88	45.94	60.49	-	44.99	6.72	25.29	25.82
14	BISCO - 2051	-	84.05	35.68	4.97	-	43.56	13.26	13.65	24.33
15	BISCO - C 35	14.35	64.45	77.72	111.24	-	60.73	19.79	49.45	55.02
16	P R O - 356	17.65	49.59	45.50	18.01	-	36.00	44.58	20.38	29.98
17	JKMH - 495	30.91	50.60	56.79	63.34	-	33.13	31.10	32.69	33.60
	CHECKS:									
18	SURYA	-	-	-	-	-	-	-	-	-
19	HIM - 129	3.12	18.25	15.89	-	-	22.35	10.34	3.35	1.28

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	D E H - 10302	-	3.34	-	4.36	4.39	0.74
2	H K H - 1183	-	14.68	10.36	27.96	-	9.31
3	H K H - 1185	19.62	41.65	7.10	41.94	10.50	26.62
4	H K H - 1199	8.14	38.89	6.71	16.19	-	11.88
5	H K H - 1210	18.29	21.44	26.52	10.73	4.93	14.71
6	H K H - 1214	-	29.44	13.06	-	1.47	8.37
7	F H - 3208	20.15	-	1.27	-	22.98	6.05
8	F H - 3210	22.70	18.71	-	27.36	-	11.39
9	F H - 3215	40.74	55.49	15.20	8.36	27.51	27.07
10	A H - 017049	35.71	13.96	-	4.73	1.30	3.28
11	A H - 014 16	39.95	38.17	21.53	14.70	-	14.26
12	SEEDTEC - 205	41.45	35.06	22.99	41.31	20.79	30.57
13	SEEDTEC - 1307	49.36	35.58	-	-	18.88	8.68
14	BISCO - 2051	30.38	46.64	15.41	37.83	20.59	31.12
15	BISCO - C 35	81.12	100.63	30.53	4.15	60.84	49.66
16	P R O - 356	68.59	16.13	19.76	-	30.04	15.24
17	JKMH - 495	78.46	48.59	39.80	52.48	10.29	37.25
	CHECKS:						
18	SURYA	1.25	32.83	-	49.83	-	16.17
19	HIM - 129	-	-	-	-	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 GORA BELI	VARA	DHOL	RANC	JASH	AMBI	ZN 3 MEAN	ARBH	BANG PROA	MAND
1	D E H - 10302	26.89	20.38	-	2.26	-	0.91	6.28	-	-	-
2	H K H - 1183	12.24	29.66	-	-	-	-	5.20	5.52	16.36	-
3	H K H - 1185	46.74	32.88	8.18	1.27	2.66	-	13.11	8.62	1.03	-
4	H K H - 1199	40.21	41.39	-	3.97	-	-	9.42	-	0.49	-
5	H K H - 1210	44.28	35.07	17.04	-	14.93	-	15.57	-	29.56	-
6	H K H - 1214	36.10	1.44	1.62	-	-	18.56	7.10	-	-	-
7	F H - 3208	91.62	34.77	-	11.26	-	16.46	25.47	3.04	7.90	-
8	F H - 3210	58.90	42.38	7.92	-	3.98	-	15.38	4.11	13.66	-
9	F H - 3215	38.89	39.35	-	2.47	11.83	-	13.04	4.16	61.01	21.90
10	A H - 017049	52.02	47.34	0.09	22.39	17.79	2.32	24.70	31.24	27.08	6.48
11	A H - 014 16	45.64	10.03	-	1.42	2.23	6.28	9.65	11.61	49.65	6.73
12	SEEDTEC - 205	49.52	47.74	10.31	26.96	3.71	8.72	24.37	17.84	18.25	9.54
13	SEEDTEC - 1307	28.94	44.60	21.99	32.44	32.34	0.35	26.55	23.72	60.41	32.61
14	BISCO - 2051	63.22	49.72	22.71	19.98	43.86	-	31.40	28.00	29.38	6.73
15	BISCO - C 35	98.71	21.78	63.78	12.21	70.82	43.68	52.20	44.02	95.48	66.16
16	P R O - 356	99.54	39.45	-	8.02	43.34	20.87	36.44	24.10	27.17	34.29
17	JKMH - 495	57.00	-	-	8.29	12.01	12.44	11.94	29.40	76.41	15.96
	CHECKS:										
18	SURYA	29.93	-	-	21.87	-	-	4.04	-	-	-
19	HIM - 129	-	-	-	-	-	-	-	-	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129								
		COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	10.10	-	-	4.98	-	7.23	-	0.10	-
2	H K H - 1183	6.15	-	-	29.54	18.43	-	-	10.43	2.28
3	H K H - 1185	-	16.37	-	-	-	31.20	2.13	4.00	7.88
4	H K H - 1199	9.50	-	-	-	-	-	5.30	-	-
5	H K H - 1210	23.46	1.87	-	9.87	0.31	6.44	11.56	7.32	8.21
6	H K H - 1214	-	-	-	-	-	-	-	-	-
7	F H - 3208	12.89	22.03	4.15	2.51	0.94	5.30	-	1.78	10.65
8	F H - 3210	-	5.54	-	-	-	-	0.71	-	6.66
9	F H - 3215	19.78	-	22.79	28.28	-	-	10.86	5.90	19.43
10	A H - 017049	3.11	4.47	14.65	34.35	6.11	8.04	11.70	15.31	17.07
11	A H - 014 16	11.55	-	14.47	55.94	-	-	17.08	8.85	14.22
12	SEEDTEC - 205	8.38	44.25	16.38	2.82	5.83	20.30	-	5.83	20.81
13	SEEDTEC - 1307	-	1.37	25.92	74.00	-	18.51	-	21.23	24.23
14	BISCO - 2051	-	55.65	17.07	13.80	4.67	17.34	2.65	9.96	22.76
15	BISCO - C 35	10.89	39.07	53.35	129.02	3.47	31.37	8.57	44.59	53.06
16	P R O - 356	14.09	26.50	25.55	27.94	-	11.16	31.04	16.48	28.34
17	JKMH - 495	26.96	27.35	35.29	77.08	6.50	8.81	18.82	28.38	31.91
	CHECKS:									
18	SURYA	-	-	-	8.42	9.26	-	-	-	-
19	HIM - 129	-	-	-	-	-	-	-	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ZN 1 ALMO	DELH	LUDH	KARN	ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	D E H - 10302	47.3	41.7	43.5	39.7	41.6	48.0	43.0	50.5	41.7	39.8	44.5	44.6
2	H K H - 1183	51.8	48.3	48.3	43.3	46.6	50.0	50.7	52.5	48.7	46.3	49.8	49.6
3	H K H - 1185	49.8	46.0	47.0	42.3	45.1	48.5	51.3	50.3	46.3	42.3	45.3	47.3
4	H K H - 1199	52.5	49.3	50.0	44.3	47.9	50.0	52.7	52.0	49.7	47.5	51.3	50.5
5	H K H - 1210	51.0	49.7	48.0	44.7	47.4	49.3	51.7	52.0	47.3	43.8	49.3	48.9
6	H K H - 1214	52.0	48.3	49.0	41.7	46.3	48.0	48.3	52.3	48.3	44.8	46.0	47.9
7	F H - 3208	47.8	43.7	44.8	42.0	43.5	48.3	48.7	51.0	43.3	43.3	42.3	46.1
8	F H - 3210	47.0	47.0	45.3	42.0	44.8	46.0	47.3	50.5	44.7	42.5	45.3	46.0
9	F H - 3215	48.0	50.3	46.8	42.3	46.5	48.8	51.3	52.0	45.7	44.0	46.8	48.1
10	A H - 017049	52.8	47.3	50.3	46.3	48.0	49.0	54.3	52.3	46.7	44.3	50.0	49.4
11	A H - 014 16	54.0	50.3	50.5	46.0	48.9	48.0	54.0	52.3	49.0	45.5	49.0	49.6
12	SEEDTEC - 205	51.8	49.0	48.5	44.7	47.4	46.3	48.0	51.8	47.0	43.8	47.5	47.4
13	SEEDTEC - 1307	57.3	54.3	53.3	44.7	50.8	51.5	56.0	53.0	51.7	49.0	49.8	51.8
14	BISCO - 2051	51.0	49.3	48.0	44.7	47.3	47.3	47.3	50.3	47.3	43.8	49.0	47.5
15	BISCO - C 35	54.3	52.3	54.3	49.7	52.1	50.0	54.7	52.3	53.7	49.0	52.3	52.0
16	P R O - 356	50.3	45.3	46.5	44.7	45.5	49.5	50.7	51.3	47.0	44.0	47.5	48.3
17	JKMH - 495	49.5	51.0	48.3	45.0	48.1	50.0	53.7	52.3	47.3	45.8	47.5	49.4
	CHECKS:												
18	SURYA	50.3	47.3	47.3	42.0	45.5	47.5	51.7	52.0	46.3	43.5	47.5	48.1
19	HIM - 129	47.0	42.7	44.5	41.7	42.9	48.0	52.0	51.3	44.0	41.0	43.3	46.6
	MEAN LOCATION	50.8	48.1	48.1	43.8	46.6	48.6	50.9	51.7	47.1	44.4	47.6	48.4
	C.D. AT 5%=	1.1	3.5	2.2	1.2	2.3	0.7	3.6	1.2	0.9	1.2	4.2	2.0
	C.V. % =	1.5	4.4	3.2	1.7	-	1.0	4.3	1.7	1.1	1.9	6.2	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ARBH	BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	51.0	47.5	44.3	47.3	51.3	48.3	44.8	38.5	42.0	49.5	43.7	45.0
2	H K H - 1183	54.3	52.5	49.0	52.0	56.3	52.8	49.0	40.8	46.5	51.5	46.9	49.5
3	H K H - 1185	52.3	50.0	46.7	49.0	54.0	50.4	47.0	37.0	43.0	52.5	44.9	47.4
4	H K H - 1199	54.8	52.3	50.3	52.0	58.0	53.5	49.0	40.0	48.3	52.5	47.4	50.3
5	H K H - 1210	53.8	51.3	49.7	50.5	57.3	52.5	49.3	40.5	46.0	52.0	46.9	49.3
6	H K H - 1214	53.3	51.3	48.7	51.3	56.3	52.2	48.0	40.5	45.8	52.8	46.8	48.8
7	F H - 3208	51.3	48.5	44.7	48.3	51.3	48.8	46.3	37.0	44.3	50.3	44.4	46.1
8	F H - 3210	51.0	47.8	45.7	49.0	52.0	49.1	45.5	38.0	43.3	50.3	44.3	46.3
9	F H - 3215	51.0	48.8	46.3	48.0	53.0	49.4	46.5	41.5	46.5	51.3	46.4	47.8
10	A H - 017049	54.8	53.0	50.0	53.0	58.0	53.8	49.3	40.3	46.0	53.3	47.2	50.0
11	A H - 014 16	57.0	53.8	50.3	52.3	58.0	54.3	50.0	40.5	47.0	54.3	47.9	50.6
12	SEEDTEC - 205	54.0	50.8	46.7	50.3	53.3	51.0	48.0	38.5	43.8	52.5	45.7	48.2
13	SEEDTEC - 1307	59.0	54.5	52.7	49.0	59.0	54.8	52.5	41.3	48.0	54.0	48.9	52.1
14	BISCO - 2051	53.0	50.5	47.7	49.8	52.7	50.7	47.0	40.8	43.5	52.8	46.0	48.2
15	BISCO - C 35	58.5	54.3	53.7	53.8	59.0	55.8	52.8	40.0	48.3	57.0	49.5	52.6
16	P R O - 356	51.5	49.8	48.0	49.0	54.7	50.6	47.8	38.8	42.3	50.5	44.8	47.8
17	JKMH - 495	52.0	50.5	49.3	51.0	57.0	52.0	48.3	39.5	46.5	50.3	46.1	49.2
	CHECKS:												
18	SURYA	51.8	50.3	45.7	52.8	53.0	50.7	46.8	40.0	47.5	52.8	46.8	48.2
19	HIM - 129	51.0	48.3	45.7	46.5	51.0	48.5	45.8	36.8	42.3	50.0	43.7	45.9
	MEAN LOCATION	53.4	50.8	48.2	50.2	55.0	51.5	48.1	39.5	45.3	52.1	46.2	48.6
	C.D. AT 5%=	1.2	1.2	1.8	0.8	1.3	1.3	1.2	1.2	2.9	2.2	1.9	-
	C.V. % =	1.6	1.7	2.3	1.2	1.4	-	1.7	2.1	4.5	3.0	-	-
	F (Prob)	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 1 MEAN	ZN 2 GORA BELI	VARA	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	D E H - 10302	48.8	45.0	45.3	42.0	51.8	46.0	51.0	49.0	53.3	45.7	42.5	49.3	48.4
2	H K H - 1183	53.0	52.0	50.3	45.3	53.5	50.3	52.5	57.0	55.5	52.7	50.3	54.5	53.7
3	H K H - 1185	51.3	50.0	49.0	43.7	52.0	48.7	51.0	55.3	53.3	50.0	45.3	50.3	50.8
4	H K H - 1199	54.5	54.3	52.3	46.7	61.3	53.6	52.8	59.0	55.0	53.7	52.0	55.5	54.7
5	H K H - 1210	52.0	53.7	50.5	46.7	53.5	51.1	51.3	58.7	54.5	51.0	47.8	53.3	52.7
6	H K H - 1214	54.0	52.3	51.5	43.7	59.3	51.7	50.8	53.3	55.0	52.7	48.5	51.3	51.9
7	F H - 3208	48.5	48.0	46.3	44.0	51.0	47.3	50.3	53.3	54.0	47.0	45.5	47.3	49.6
8	F H - 3210	48.3	49.7	47.0	44.3	51.3	48.1	48.5	54.3	53.3	48.3	44.8	49.8	49.8
9	F H - 3215	48.5	54.3	48.8	44.3	53.0	50.1	51.8	57.7	55.0	49.7	46.5	51.0	51.9
10	A H - 017049	54.3	51.3	51.8	49.3	55.5	52.0	51.5	57.7	55.3	50.3	48.5	54.0	52.9
11	A H - 014 16	55.3	54.0	52.8	48.0	54.8	52.4	50.5	60.7	55.0	53.3	49.8	53.3	53.8
12	SEEDTEC - 205	52.8	52.3	50.3	46.7	51.8	50.3	49.0	54.0	54.0	51.0	46.5	52.5	51.2
13	SEEDTEC - 1307	58.0	60.0	55.3	46.7	58.8	55.2	54.0	60.7	56.0	55.0	52.0	54.5	55.4
14	BISCO - 2051	52.0	53.0	50.8	46.7	52.3	50.7	49.8	52.3	53.3	51.3	47.3	53.3	51.2
15	BISCO - C 35	55.5	57.3	56.3	52.0	58.5	56.0	52.5	59.0	55.3	57.7	52.3	56.0	55.4
16	P R O - 356	50.5	48.7	48.3	46.7	52.5	49.0	51.8	55.3	54.3	50.3	46.0	51.5	51.5
17	JKMH - 495	50.8	55.0	50.3	47.0	53.5	51.4	52.8	59.3	55.3	51.3	50.0	52.3	53.5
	CHECKS:													
18	SURYA	51.3	51.3	49.8	44.3	53.8	49.8	50.0	57.7	55.0	50.3	46.3	52.5	52.0
19	HIM - 129	47.8	45.3	46.0	44.0	52.0	46.8	50.8	56.7	54.3	47.3	44.0	48.3	50.2
	MEAN LOCATION	51.9	52.0	50.1	45.9	54.2	50.5	51.2	56.4	54.5	51.0	47.7	52.1	52.1
	C.D. AT 5%=	0.9	3.9	2.5	1.3	2.1	2.5	0.8	3.5	1.2	1.1	1.6	3.9	2.0
	C.V. % =	1.2	4.5	3.6	1.7	2.8	-	1.1	3.7	1.5	1.3	2.3	5.3	-
	F (Prob)	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.001	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING											
		ARBH	BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	51.3	48.3	47.0	50.0	53.3	50.0	46.8	42.0	46.3	49.5	46.1	47.9
2	H K H - 1183	55.8	53.5	51.7	54.0	58.3	54.7	50.3	44.3	51.5	53.0	49.8	52.4
3	H K H - 1185	52.5	50.3	49.3	51.0	55.3	51.7	48.3	41.3	47.8	53.8	47.8	50.0
4	H K H - 1199	57.0	53.0	52.3	54.0	59.0	55.1	50.8	44.0	52.5	54.0	50.3	53.7
5	H K H - 1210	54.0	52.0	51.7	53.0	58.7	53.9	50.8	44.5	50.0	53.5	49.7	52.0
6	H K H - 1214	57.0	53.0	52.0	53.5	58.0	54.7	51.3	44.3	50.8	54.5	50.2	52.3
7	F H - 3208	51.3	48.8	46.7	51.0	53.3	50.2	47.8	41.0	49.3	50.0	47.0	48.7
8	F H - 3210	51.0	48.3	47.7	52.3	54.0	50.6	47.0	42.0	46.5	50.3	46.4	48.9
9	F H - 3215	51.8	49.8	48.0	50.8	55.0	51.0	47.5	45.3	52.3	52.3	49.3	50.7
10	A H - 017049	55.3	54.0	52.3	55.0	59.0	55.1	50.8	43.8	50.5	53.3	49.6	52.7
11	A H - 014 16	58.3	54.8	54.0	55.3	59.0	56.3	52.0	44.3	51.0	53.8	50.3	53.5
12	SEEDTEC - 205	53.3	51.3	49.7	52.8	55.3	52.5	49.0	42.8	48.3	53.3	48.3	50.8
13	SEEDTEC - 1307	59.3	55.5	54.7	51.8	60.0	56.2	54.5	45.3	53.8	54.5	52.0	55.0
14	BISCO - 2051	53.3	51.0	50.0	52.3	54.7	52.2	48.3	44.8	48.0	52.8	48.4	50.8
15	BISCO - C 35	58.3	55.0	55.0	56.0	60.0	56.8	53.8	43.8	52.8	56.0	51.6	55.1
16	P R O - 356	51.8	50.3	49.3	52.0	56.7	52.0	49.3	42.8	47.3	51.0	47.6	50.3
17	JKMH - 495	53.5	51.0	51.3	53.8	58.0	53.5	50.3	43.5	52.3	52.0	49.5	52.2
	CHECKS:												
18	SURYA	53.8	50.8	47.7	54.8	55.0	52.4	48.3	43.5	52.8	53.8	49.6	51.1
19	HIM - 129	51.3	48.8	48.0	50.0	52.7	50.1	47.3	40.8	47.3	49.8	46.3	48.6
	MEAN LOCATION	54.2	51.5	50.4	52.8	56.6	53.1	49.7	43.3	50.0	52.7	48.9	51.4
	C.D. AT 5%=	1.0	1.4	2.3	0.9	1.1	1.3	1.4	1.2	3.2	1.5	1.8	-
	C.V. % =	1.4	1.9	2.8	1.1	1.2	-	2.0	1.9	4.6	2.1	-	-
	F (Prob)	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 1 ALMO	ZN 2 LUDH	GORA BELI	VARA	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	D E H - 10302	91.5	74.3	81.5	78.0	79.0	85.3	79.0	91.3	82.3
2	H K H - 1183	94.0	76.3	79.0	85.3	81.5	83.7	81.8	93.5	84.1
3	H K H - 1185	103.8	77.0	84.5	89.0	82.3	81.3	86.3	92.0	85.9
4	H K H - 1199	104.5	77.5	86.0	90.0	83.5	83.0	86.3	93.5	87.0
5	H K H - 1210	101.8	76.8	81.5	90.0	82.8	80.0	84.5	91.8	85.1
6	H K H - 1214	104.8	78.3	87.8	91.0	84.0	86.0	90.0	91.5	88.4
7	F H - 3208	96.5	74.3	78.5	81.3	78.8	79.3	80.0	90.8	81.4
8	F H - 3210	96.0	76.3	78.5	81.7	80.8	78.7	81.0	91.8	82.1
9	F H - 3215	100.0	77.0	83.5	93.3	82.8	80.0	82.3	91.3	85.5
10	A H - 017049	99.0	77.8	85.5	89.3	83.5	79.3	82.8	94.0	85.7
11	A H - 014 16	101.8	79.5	84.8	90.7	83.8	84.0	84.5	93.0	86.8
12	SEEDTEC - 205	96.8	78.8	78.3	85.0	80.0	80.0	83.0	92.0	83.0
13	SEEDTEC - 1307	113.5	81.5	90.5	91.3	83.8	84.7	88.0	93.5	88.6
14	BISCO - 2051	99.8	78.0	82.5	81.7	81.8	81.3	82.5	93.5	83.9
15	BISCO - C 35	103.3	81.5	85.0	88.3	84.8	87.3	83.8	94.0	87.2
16	P R O - 356	93.8	76.0	83.0	90.0	80.8	80.0	80.8	92.0	84.4
17	JKMH - 495	101.5	78.0	79.5	91.7	81.8	81.3	81.5	91.3	84.5
	CHECKS:									
18	SURYA	96.0	77.0	77.5	89.0	79.8	84.3	81.0	92.8	84.1
19	HIM - 129	92.5	75.8	79.0	87.0	80.0	78.0	80.3	89.5	82.3
	MEAN LOCATION	99.5	77.4	82.4	87.6	81.8	82.0	83.1	92.3	84.9
	C.D. AT 5%=	2.0	2.7	0.9	3.5	1.5	1.3	2.5	2.2	2.0
	C.V. % =	1.4	2.4	0.8	2.4	1.3	1.0	2.1	1.7	-
	F (Prob)	.000	.000	.000	.000	.000	.000	.000	.006	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	90.0	94.8	85.3	90.0	74.0	69.5	68.8	83.5	73.9	81.7
2	H K H - 1183	91.3	96.0	87.3	91.6	75.8	73.3	74.8	85.5	77.3	83.9
3	H K H - 1185	91.7	92.0	87.3	90.3	74.0	72.3	70.5	83.5	75.1	84.5
4	H K H - 1199	90.7	95.8	90.3	92.3	73.0	71.8	76.5	86.0	76.8	85.9
5	H K H - 1210	91.3	93.0	89.0	91.1	74.8	73.8	73.5	86.0	77.0	84.7
6	H K H - 1214	91.3	97.5	88.0	92.3	73.3	74.0	74.3	86.0	76.9	86.5
7	F H - 3208	90.3	92.0	86.0	89.4	74.3	74.0	72.0	82.0	75.6	82.0
8	F H - 3210	93.7	92.5	88.7	91.6	73.8	72.3	68.8	84.5	74.8	82.6
9	F H - 3215	91.7	92.0	89.7	91.1	75.3	74.3	76.8	87.0	78.3	85.1
10	A H - 017049	90.7	100.0	89.7	93.4	80.0	74.3	72.5	87.0	78.4	85.7
11	A H - 014 16	94.3	99.5	92.7	95.5	82.8	70.5	74.0	87.5	78.7	86.9
12	SEEDTEC - 205	90.3	94.8	88.3	91.1	74.5	73.8	70.0	86.0	76.1	83.4
13	SEEDTEC - 1307	94.7	95.5	93.0	94.4	85.5	75.3	77.3	90.5	82.1	89.2
14	BISCO - 2051	91.7	96.5	86.7	91.6	73.5	73.8	70.8	85.5	75.9	84.0
15	BISCO - C 35	94.0	97.5	93.0	94.8	84.8	77.3	75.0	88.5	81.4	87.9
16	P R O - 356	90.3	92.8	87.7	90.3	74.5	71.3	69.3	83.0	74.5	83.0
17	JKMH - 495	91.3	97.3	91.0	93.2	81.0	73.3	75.3	85.5	78.8	85.4
	CHECKS:										
18	SURYA	90.0	98.0	87.3	91.8	73.8	71.5	74.5	82.5	75.6	83.7
19	HIM - 129	91.0	90.0	85.3	88.8	74.5	72.0	70.5	83.5	75.1	81.9
	MEAN LOCATION	91.6	95.1	88.8	91.8	76.5	73.0	72.9	85.4	77.0	84.6
	C.D. AT 5%=	3.2	0.9	2.1	2.1	1.8	2.4	4.0	1.4	2.4	-
	C.V. % =	2.1	0.7	1.4	-	1.6	2.3	3.9	1.2	-	-
	F (Prob)	.073	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
1	D E H - 10302	29.6	21.4	21.0	12.1	27.9	20.6	25.4	20.8	21.7	29.2	20.0	23.4
2	H K H - 1183	29.5	25.5	21.7	12.4	30.3	22.5	26.1	27.5	22.5	33.1	20.2	25.9
3	H K H - 1185	31.6	28.6	22.5	12.3	28.1	22.9	27.8	27.5	21.3	28.2	20.3	25.0
4	H K H - 1199	31.5	30.2	22.4	12.8	28.1	23.4	28.4	29.3	22.1	32.1	20.4	26.5
5	H K H - 1210	29.7	26.0	21.6	13.1	29.3	22.5	25.1	29.5	22.3	33.2	20.7	26.2
6	H K H - 1214	31.3	29.8	22.0	12.4	30.5	23.7	27.3	37.9	22.5	29.6	20.9	27.6
7	F H - 3208	27.9	20.4	20.4	12.3	22.4	18.9	26.0	24.9	22.3	32.1	20.4	25.1
8	F H - 3210	29.4	18.5	21.4	12.6	30.6	20.7	25.5	27.8	21.7	34.6	20.5	26.0
9	F H - 3215	29.7	28.5	22.0	12.5	26.9	22.5	27.4	27.8	22.3	34.1	20.5	26.4
10	A H - 017049	31.0	29.2	21.8	12.9	31.7	23.9	27.6	34.7	21.6	31.1	20.3	27.0
11	A H - 014 16	30.9	31.5	22.8	13.1	29.9	24.3	26.3	29.6	22.0	33.6	20.4	26.4
12	SEEDTEC - 205	31.0	24.7	22.6	12.7	27.3	21.8	25.7	25.7	21.8	32.2	20.3	25.1
13	SEEDTEC - 1307	37.0	31.4	23.5	15.7	34.7	26.3	29.7	33.8	21.0	31.1	20.8	27.3
14	BISCO - 2051	30.0	28.5	22.4	12.6	29.1	23.2	27.1	23.7	21.2	30.2	20.4	24.5
15	BISCO - C 35	32.8	32.1	28.8	13.8	27.3	25.5	27.5	31.7	20.3	34.2	20.5	26.8
16	P R O - 356	28.7	22.3	21.8	12.8	28.8	21.4	26.4	28.2	22.4	31.4	20.5	25.8
17	JKMH - 495	32.2	24.4	22.3	12.9	28.5	22.0	26.4	37.7	21.0	32.2	20.7	27.6
	CHECKS:												
18	SURYA	28.7	21.7	21.3	12.5	28.1	20.9	25.5	27.1	20.4	29.2	20.6	24.6
19	HIM - 129	29.2	17.7	21.5	12.3	27.0	19.6	25.2	22.8	21.3	30.9	20.5	24.1
	MEAN LOCATION	30.6	25.9	22.3	12.8	28.8	22.4	26.7	28.8	21.7	31.7	20.4	25.9
	C.D. AT 5%=	1.6	2.9	1.8	1.2	1.7	1.9	0.7	2.4	1.9	1.0	0.2	1.2
	C.V. % =	3.6	6.9	5.7	5.8	4.1	-	1.9	5.1	6.1	1.9	0.6	-
	F (Prob)	.000	.000	.000	.001	.000	-	.000	.000	.384	.000	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST ARBH	BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	17.2	27.3	20.8	15.4	12.3	18.6	15.3	16.8	18.5	14.4	16.2	20.4
2	H K H - 1183	16.8	28.9	19.7	15.3	11.9	18.5	16.1	16.7	17.5	14.3	16.2	21.4
3	H K H - 1185	16.3	28.0	21.3	15.1	11.8	18.5	18.0	16.4	19.1	14.4	17.0	21.5
4	H K H - 1199	16.3	28.1	20.0	15.8	12.9	18.6	17.8	16.7	14.3	16.2	16.2	21.9
5	H K H - 1210	17.8	28.0	20.1	16.6	10.8	18.7	18.0	16.6	16.0	14.2	16.2	21.5
6	H K H - 1214	15.9	26.0	19.8	15.7	12.1	17.9	17.0	16.9	16.7	15.9	16.6	22.1
7	F H - 3208	17.5	26.3	19.9	15.1	12.1	18.2	17.1	16.8	16.6	14.6	16.3	20.3
8	F H - 3210	16.0	29.8	20.7	15.6	13.0	19.0	18.0	17.0	17.8	14.3	16.8	21.3
9	F H - 3215	18.3	29.6	15.5	14.4	11.8	17.9	16.0	16.7	17.4	14.3	16.1	21.3
10	A H - 017049	18.1	31.4	19.4	16.0	13.5	19.7	16.1	16.3	19.8	14.5	16.7	22.5
11	A H - 014 16	18.2	30.5	21.3	15.1	12.9	19.6	19.1	17.0	19.7	14.2	17.5	22.5
12	SEEDTEC - 205	20.5	29.0	19.6	15.2	12.6	19.4	17.9	16.5	19.7	14.9	17.2	21.6
13	SEEDTEC - 1307	26.9	33.0	19.6	15.1	15.6	22.1	18.9	16.6	17.4	14.6	16.8	24.0
14	BISCO - 2051	20.8	27.4	20.5	15.5	13.2	19.5	16.9	16.5	16.8	14.2	16.1	21.4
15	BISCO - C 35	19.8	32.8	21.4	15.4	14.3	20.7	17.0	16.7	18.0	16.1	17.0	23.2
16	P R O - 356	16.9	26.0	21.4	15.6	12.9	18.6	15.0	16.3	18.6	14.5	16.1	21.1
17	JKMH - 495	16.0	32.9	21.8	15.8	12.6	19.8	18.8	16.7	16.5	12.9	16.2	22.2
	CHECKS:												
18	SURYA	17.1	28.5	19.9	16.0	12.1	18.7	16.9	17.2	16.3	14.3	16.2	20.7
19	HIM - 129	16.0	28.5	20.5	16.0	11.0	18.4	17.2	16.6	17.5	14.1	16.4	20.3
	MEAN LOCATION	18.0	29.0	20.2	15.5	12.6	19.1	17.2	16.7	17.6	14.6	16.5	21.6
	C.D. AT 5%=	1.3	2.4	2.9	0.6	1.1	1.7	0.5	0.9	1.0	0.5	0.7	-
	C.V. % =	5.0	5.8	8.8	2.7	5.4	-	2.1	3.8	4.2	2.3	-	-
	F (Prob)	.000	.000	.075	.000	.000	-	.000	.904	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ZN 1 ALMO	ZN 2 DELH	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	D E H - 10302	2.8	2.5	2.8	1.5	3.8	3.3	2.8	3.0	2.7	2.0	3.0	2.7
2	H K H - 1183	2.8	2.5	2.1	1.8	3.6	2.0	2.4	2.8	3.0	2.8	2.5	2.8
3	H K H - 1185	2.7	2.3	2.4	2.3	2.3	3.0	2.5	2.3	3.0	1.3	2.5	2.3
4	H K H - 1199	2.6	2.5	2.4	1.0	2.5	3.0	2.2	3.0	3.0	1.8	2.3	2.5
5	H K H - 1210	2.7	2.5	2.3	2.0	2.5	2.0	2.2	3.0	3.3	2.0	2.3	2.7
6	H K H - 1214	2.9	2.5	2.8	1.5	2.3	3.0	2.4	3.0	2.3	1.8	3.0	2.5
7	F H - 3208	2.7	2.5	2.1	2.3	3.9	2.0	2.6	2.3	2.7	2.0	2.5	2.4
8	F H - 3210	2.7	2.5	2.4	2.5	3.5	2.0	2.6	2.0	2.3	1.3	2.5	2.0
9	F H - 3215	2.5	2.3	2.3	1.8	2.3	1.0	1.8	2.3	2.0	2.0	2.0	2.1
10	A H - 017049	2.6	2.5	2.4	1.5	2.1	1.5	1.9	2.5	2.3	2.0	2.2	2.3
11	A H - 014 16	2.6	2.5	2.1	1.3	3.1	2.0	2.1	2.5	2.3	2.0	2.3	2.3
12	SEEDTEC - 205	2.5	2.5	2.1	1.8	3.0	1.5	2.1	2.5	2.3	1.8	2.3	2.2
13	SEEDTEC - 1307	2.0	2.5	2.5	2.3	2.6	1.0	2.1	2.0	1.7	2.0	2.2	2.0
14	BISCO - 2051	2.5	2.3	2.1	1.8	3.1	1.0	2.0	3.0	2.0	1.5	2.0	2.1
15	BISCO - C 35	2.5	2.3	1.6	1.8	1.9	1.0	1.6	1.8	1.7	2.0	1.8	1.8
16	P R O - 356	2.5	2.5	2.3	1.0	2.8	1.0	1.8	2.5	3.0	1.8	2.2	2.4
17	JKMH - 495	2.5	2.3	2.0	2.0	3.5	2.3	2.4	2.3	3.0	1.3	2.0	2.1
	CHECKS:												
18	SURYA	2.8	2.5	2.4	2.8	4.0	3.0	3.0	3.3	3.7	1.3	2.8	2.8
19	HIM - 129	2.8	2.5	2.5	2.8	3.5	3.0	2.9	2.8	3.0	2.0	2.8	2.6
	MEAN LOCATION	2.6	2.4	2.3	1.9	3.0	2.0	2.3	2.6	2.6	1.8	2.4	2.3
	C.D. AT 5%=	0.2	0.2	0.4	0.3	0.7	0.3	0.5	0.2	1.1	0.5	0.6	0.6
	C.V. % =	5.6	5.2	12.0	11.2	17.7	11.7	-	5.3	24.7	19.9	16.2	-
	F (Prob)	.000	.011	.000	.000	.000	.000	-	.000	.021	.000	.014	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT *				ZN 5 MEAN	OV'L MEAN	EAR ASPECT *						ZN 3 MEAN
		UDAI	BANS	GODH	CHHI			ZN 1 ALMO	ZN 2 DELH	GORA BELI	VARA	DHOL	JASH	
1	D E H - 10302	2.7	2.0	2.5	1.3	2.1	2.5	2.7	2.8	2.9	2.0	3.0	3.5	2.8
2	H K H - 1183	2.2	2.1	2.5	1.3	2.0	2.4	2.7	2.8	2.9	1.5	3.1	2.5	2.5
3	H K H - 1185	2.8	2.4	2.3	1.3	2.2	2.3	2.6	2.5	2.8	1.8	3.0	2.8	2.6
4	H K H - 1199	3.3	2.6	2.1	1.3	2.3	2.4	2.6	2.2	3.1	2.3	2.6	3.5	2.9
5	H K H - 1210	2.4	2.1	2.5	1.0	2.0	2.3	2.6	2.8	2.8	2.3	2.8	2.0	2.4
6	H K H - 1214	3.3	3.0	2.5	1.3	2.5	2.5	2.8	2.5	3.1	2.0	2.6	3.8	2.9
7	F H - 3208	2.9	2.0	2.4	1.0	2.1	2.4	2.6	2.7	2.8	2.3	3.4	2.5	2.7
8	F H - 3210	2.8	2.3	1.9	1.0	2.0	2.3	2.6	3.0	2.4	2.0	3.0	2.0	2.3
9	F H - 3215	2.1	2.6	2.1	1.3	2.0	2.0	2.5	2.2	2.5	1.8	2.6	1.5	2.1
10	A H - 017049	2.2	2.6	2.3	1.0	2.0	2.1	2.5	2.5	2.5	2.0	2.6	2.0	2.3
11	A H - 014 16	2.2	2.5	2.1	1.3	2.0	2.2	2.5	2.2	2.5	1.8	3.0	1.8	2.3
12	SEEDTEC - 205	2.8	2.1	2.1	1.3	2.1	2.2	2.5	2.2	2.3	2.0	3.0	1.8	2.3
13	SEEDTEC - 1307	2.2	3.0	1.9	1.0	2.0	2.1	2.3	2.2	2.8	2.0	3.0	1.5	2.3
14	BISCO - 2051	2.5	2.3	2.0	1.0	2.0	2.1	2.5	2.3	2.3	2.0	2.6	1.0	2.0
15	BISCO - C 35	2.0	2.1	1.9	1.0	1.7	1.8	2.3	2.5	2.0	1.8	2.5	1.0	1.8
16	P R O - 356	2.2	2.1	1.8	1.0	1.8	2.0	2.5	2.5	2.4	1.5	3.0	1.5	2.1
17	JKMH - 495	2.0	2.8	2.3	1.0	2.0	2.2	2.3	2.2	2.3	2.5	3.3	2.0	2.5
	CHECKS:													
18	SURYA	2.7	2.5	2.6	1.3	2.3	2.7	2.8	2.8	2.5	2.5	3.0	3.3	2.8
19	HIM - 129	2.8	2.0	2.6	1.3	2.2	2.6	2.6	3.0	2.9	2.3	3.3	3.0	2.8
	MEAN LOCATION	2.5	2.4	2.2	1.1	2.1	2.3	2.5	2.5	2.6	2.0	2.9	2.3	2.4
	C.D. AT 5%=	0.4	0.4	0.5	0.2	0.4	-	0.2	0.6	0.6	0.4	0.7	0.6	0.6
	C.V. % =	11.3	13.2	15.1	12.9	-	-	5.0	15.0	15.5	13.1	16.1	19.6	-
	F (Prob)	.000	.000	.003	.001	-	-	.000	.044	.007	.000	.317	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ARBH	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	2.8	3.0	1.0	2.5	2.3	2.4	2.1	3.3	1.8	2.4	2.6
2	H K H - 1183	3.0	3.0	2.3	2.3	2.6	2.2	2.1	2.9	1.5	2.2	2.5
3	H K H - 1185	3.0	2.3	1.8	2.2	2.3	2.8	2.1	2.5	1.5	2.2	2.4
4	H K H - 1199	3.0	2.3	2.8	2.5	2.6	4.0	2.4	3.5	1.5	2.8	2.7
5	H K H - 1210	3.0	3.7	1.0	2.0	2.4	2.6	2.3	3.3	1.8	2.5	2.5
6	H K H - 1214	3.3	3.0	1.5	2.5	2.6	4.1	2.9	3.9	2.0	3.2	2.8
7	F H - 3208	2.8	2.7	1.0	1.7	2.0	2.4	2.0	2.9	1.3	2.1	2.3
8	F H - 3210	2.5	2.7	1.8	2.2	2.3	2.4	2.4	2.5	1.3	2.1	2.3
9	F H - 3215	2.5	2.0	2.0	2.2	2.2	2.0	2.3	3.1	1.8	2.3	2.2
10	A H - 017049	2.5	2.0	1.5	1.8	2.0	2.1	2.6	2.6	1.3	2.2	2.2
11	A H - 014 16	2.5	2.3	1.0	1.8	1.9	2.0	2.3	3.0	1.0	2.1	2.1
12	SEEDTEC - 205	2.5	2.3	1.3	2.0	2.0	2.4	2.1	2.3	1.3	2.0	2.1
13	SEEDTEC - 1307	2.0	2.3	1.8	1.5	1.9	1.9	2.1	2.3	1.0	1.8	2.0
14	BISCO - 2051	2.5	2.7	1.5	1.8	2.1	2.3	2.1	2.0	1.3	1.9	2.1
15	BISCO - C 35	2.0	1.0	2.0	2.2	1.8	1.7	2.0	1.8	1.0	1.6	1.8
16	P R O - 356	3.0	2.3	1.3	2.2	2.2	2.3	2.1	2.6	1.0	2.0	2.2
17	JKMH - 495	2.3	1.7	1.8	2.3	2.0	1.9	2.6	3.0	1.0	2.1	2.2
	CHECKS:											
18	SURYA	3.0	3.0	1.8	1.8	2.4	3.0	2.6	3.4	1.8	2.7	2.7
19	HIM - 129	3.0	2.7	2.5	1.8	2.5	2.7	2.3	3.3	1.5	2.4	2.6
	MEAN LOCATION	2.7	2.5	1.6	2.1	2.2	2.5	2.3	2.8	1.4	2.2	2.3
	C.D. AT 5%=	0.1	1.0	0.6	0.6	0.6	0.4	0.5	0.7	0.2	0.4	-
	C.V. % =	3.2	24.8	24.9	18.2	-	10.4	14.7	16.4	9.7	-	-
	F (Prob)	.000	.006	.000	.069	-	.000	.019	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ARBH	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	2.8	3.0	1.0	2.5	2.3	2.4	2.1	3.3	1.8	2.4	2.6
2	H K H - 1183	3.0	3.0	2.3	2.3	2.6	2.2	2.1	2.9	1.5	2.2	2.5
3	H K H - 1185	3.0	2.3	1.8	2.2	2.3	2.8	2.1	2.5	1.5	2.2	2.4
4	H K H - 1199	3.0	2.3	2.8	2.5	2.6	4.0	2.4	3.5	1.5	2.8	2.7
5	H K H - 1210	3.0	3.7	1.0	2.0	2.4	2.6	2.3	3.3	1.8	2.5	2.5
6	H K H - 1214	3.3	3.0	1.5	2.5	2.6	4.1	2.9	3.9	2.0	3.2	2.8
7	F H - 3208	2.8	2.7	1.0	1.7	2.0	2.4	2.0	2.9	1.3	2.1	2.3
8	F H - 3210	2.5	2.7	1.8	2.2	2.3	2.4	2.4	2.5	1.3	2.1	2.3
9	F H - 3215	2.5	2.0	2.0	2.2	2.2	2.0	2.3	3.1	1.8	2.3	2.2
10	A H - 017049	2.5	2.0	1.5	1.8	2.0	2.1	2.6	2.6	1.3	2.2	2.2
11	A H - 014.16	2.5	2.3	1.0	1.8	1.9	2.0	2.3	3.0	1.0	2.1	2.1
12	SEEDTEC - 205	2.5	2.3	1.3	2.0	2.0	2.4	2.1	2.3	1.3	2.0	2.1
13	SEEDTEC - 1307	2.0	2.3	1.8	1.5	1.9	1.9	2.1	2.3	1.0	1.8	2.0
14	BISCO - 2051	2.5	2.7	1.5	1.8	2.1	2.3	2.1	2.0	1.3	1.9	2.1
15	BISCO - C 35	2.0	1.0	2.0	2.2	1.8	1.7	2.0	1.8	1.0	1.6	1.8
16	P R O - 356	3.0	2.3	1.3	2.2	2.2	2.3	2.1	2.6	1.0	2.0	2.2
17	JKMH - 495	2.3	1.7	1.8	2.3	2.0	1.9	2.6	3.0	1.0	2.1	2.2
	CHECKS:											
18	SURYA	3.0	3.0	1.8	1.8	2.4	3.0	2.6	3.4	1.8	2.7	2.7
19	HIM - 129	3.0	2.7	2.5	1.8	2.5	2.7	2.3	3.3	1.5	2.4	2.6
	MEAN LOCATION	2.7	2.5	1.6	2.1	2.2	2.5	2.3	2.8	1.4	2.2	2.3
	C.D. AT 5%=	0.1	1.0	0.6	0.6	0.6	0.4	0.5	0.7	0.2	0.4	-
	C.V. % =	3.2	24.8	24.9	18.2	-	10.4	14.7	16.4	9.7	-	-
	F (Prob)	.000	.006	.000	.069	-	.000	.019	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ZN 1 ALMO	GORA	BELI	VARA	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	D E H - 10302	2.3	2.6	1.8	3.3	2.5	2.8	2.0	2.0	2.7	2.4	
2	H K H - 1183	3.0	2.1	2.0	3.0	2.4	3.0	2.3	2.0	2.5	2.5	
3	H K H - 1185	3.0	2.6	2.0	3.8	2.8	2.8	2.7	1.8	2.5	2.4	
4	H K H - 1199	3.5	2.3	2.8	4.0	3.0	3.0	2.7	2.0	2.8	2.6	
5	H K H - 1210	2.6	2.8	2.0	3.8	2.8	3.5	2.3	2.0	2.7	2.6	
6	H K H - 1214	3.3	2.9	2.0	3.8	2.9	3.3	2.7	2.0	2.8	2.7	
7	F H - 3208	2.5	2.0	2.5	2.3	2.3	2.5	2.0	2.0	2.5	2.3	
8	F H - 3210	1.9	2.3	1.8	2.0	2.0	2.8	2.3	1.8	2.2	2.3	
9	F H - 3215	1.6	2.3	2.5	2.0	2.3	2.3	1.7	3.0	2.3	2.3	
10	A H - 017049	2.0	2.3	2.0	2.0	2.1	2.5	2.3	1.8	2.0	2.1	
11	A H - 014 16	1.8	2.1	2.0	1.8	2.0	2.0	2.3	2.0	2.5	2.2	
12	SEEDTEC - 205	1.7	2.0	2.3	2.0	2.1	2.8	2.0	2.3	2.3	2.3	
13	SEEDTEC - 1307	1.6	2.5	1.8	2.0	2.1	2.0	1.7	1.3	2.2	1.8	
14	BISCO - 2051	2.2	2.0	2.5	2.0	2.2	2.3	2.0	1.5	2.2	2.0	
15	BISCO - C 35	1.5	1.6	1.5	1.0	1.4	2.0	1.7	1.0	1.8	1.6	
16	P R O - 356	1.8	1.9	1.8	1.5	1.7	2.8	2.0	2.3	2.0	2.3	
17	JKMH - 495	1.9	2.4	1.5	2.5	2.1	2.0	2.3	2.0	2.0	2.1	
	CHECKS:											
18	SURYA	1.9	2.5	1.8	2.5	2.3	2.8	2.3	1.3	2.8	2.3	
19	HIM - 129	2.3	2.6	2.0	3.3	2.6	2.5	2.0	2.5	2.3	2.3	
	MEAN LOCATION	2.2	2.3	2.0	2.5	2.3	2.6	2.2	1.9	2.4	2.3	
	C.D. AT 5%=	0.3	0.4	0.4	0.6	0.5	0.3	0.9	0.5	0.6	0.6	
	C.V. % =	8.0	12.3	10.8	16.8	-	7.5	24.5	19.0	14.5	-	
	F (Prob)	.000	.000	.000	.000	-	.000	.397	.000	.012	-	

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	UNIFORMITY * ZN 1 ALMO	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
1	D E H - 10302	2.7	2.1	2.9	1.0	2.2	2.3	2.7	2.5	1.8	3.8	4.0	3.0
2	H K H - 1183	2.3	2.4	3.0	1.5	2.3	2.4	2.7	2.0	1.3	3.5	3.8	2.6
3	H K H - 1185	2.6	2.4	2.4	1.5	2.2	2.5	2.5	2.9	2.0	3.0	3.0	2.7
4	H K H - 1199	3.5	2.6	3.5	2.0	2.9	2.9	2.5	2.3	1.8	2.9	3.8	2.7
5	H K H - 1210	2.3	2.0	2.8	1.3	2.1	2.5	2.5	2.5	2.0	3.0	3.0	2.6
6	H K H - 1214	3.5	2.4	3.5	2.3	2.9	2.9	2.6	2.4	1.5	3.0	3.3	2.5
7	F H - 3208	2.7	2.0	2.1	1.3	2.0	2.2	2.5	2.5	2.5	3.8	3.0	2.9
8	F H - 3210	2.7	2.3	2.1	1.3	2.1	2.1	2.3	2.5	1.5	3.5	2.5	2.5
9	F H - 3215	2.2	2.5	2.8	1.0	2.1	2.2	2.3	2.1	1.8	2.8	2.3	2.2
10	A H - 017049	2.3	2.4	2.8	1.3	2.2	2.1	2.7	2.1	1.3	3.3	2.0	2.2
11	A H - 014 16	2.3	2.1	2.5	1.0	2.0	2.0	2.7	2.5	1.8	3.4	2.5	2.5
12	SEEDTEC - 205	2.7	2.1	2.1	1.3	2.1	2.1	2.4	2.1	2.0	3.5	2.5	2.5
13	SEEDTEC - 1307	2.2	2.4	1.9	1.0	1.9	1.9	2.0	2.5	2.0	3.4	1.8	2.4
14	BISCO - 2051	2.5	2.3	1.8	1.0	1.9	2.0	2.5	2.1	2.0	3.5	3.0	2.7
15	BISCO - C 35	2.0	2.1	2.0	1.0	1.8	1.6	2.5	1.9	1.3	3.0	1.5	1.9
16	P R O - 356	2.5	2.3	2.0	1.0	1.9	2.0	2.4	2.1	1.3	3.4	2.3	2.3
17	JKMH - 495	2.2	2.8	2.4	1.0	2.1	2.1	2.3	2.5	1.8	3.4	3.8	2.8
	CHECKS:												
18	SURYA	2.7	2.4	2.9	1.8	2.4	2.3	2.8	2.8	2.5	3.9	3.5	3.2
19	HIM - 129	2.8	2.1	2.8	1.3	2.2	2.4	2.8	2.5	2.5	3.4	4.0	3.1
	MEAN LOCATION	2.6	2.3	2.5	1.3	2.2	2.2	2.5	2.4	1.8	3.3	2.9	2.6
	C.D. AT 5%=	0.3	0.5	0.7	0.2	0.4	-	0.1	0.4	0.5	0.5	0.7	0.5
	C.V. % =	8.2	15.2	18.5	12.5	-	-	4.2	13.1	15.9	9.8	16.2	-
	F (Prob)	.000	.209	.000	.000	-	-	.000	.001	.000	.000	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ARBH	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	3.0	2.7	1.3	2.7	2.4	2.8	2.0	2.6	1.0	2.1	2.5
2	H K H - 1183	2.5	2.7	2.0	2.2	2.3	2.3	2.5	2.6	1.3	2.2	2.4
3	H K H - 1185	2.8	2.7	1.8	2.0	2.3	2.7	2.3	2.5	1.0	2.1	2.4
4	H K H - 1199	2.3	2.3	1.8	1.8	2.0	3.5	2.6	2.1	1.3	2.4	2.4
5	H K H - 1210	2.3	3.3	1.3	2.0	2.2	2.2	2.3	2.5	1.0	2.0	2.3
6	H K H - 1214	2.0	2.7	2.0	2.0	2.2	3.5	2.6	3.0	1.0	2.5	2.4
7	F H - 3208	2.5	2.7	1.0	2.2	2.1	2.7	2.1	2.6	1.0	2.1	2.4
8	F H - 3210	2.0	2.7	1.5	2.0	2.0	2.8	2.4	2.4	1.0	2.1	2.2
9	F H - 3215	2.0	1.7	2.0	2.0	1.9	2.2	2.4	2.6	1.0	2.0	2.1
10	A H - 017049	2.5	3.0	1.8	2.2	2.4	2.5	2.6	2.5	1.0	2.2	2.3
11	A H - 014 16	2.5	2.3	1.0	2.2	2.0	2.2	2.3	2.6	1.0	2.0	2.2
12	SEEDTEC - 205	2.5	2.0	2.5	2.2	2.3	2.7	2.4	2.5	1.3	2.2	2.3
13	SEEDTEC - 1307	2.3	2.0	1.8	2.0	2.0	2.2	2.4	1.6	1.0	1.8	2.1
14	BISCO - 2051	2.8	2.3	2.0	2.2	2.3	2.8	2.4	2.0	1.3	2.1	2.4
15	BISCO - C 35	1.8	2.3	1.0	1.8	1.7	2.0	2.1	2.0	1.0	1.8	1.9
16	P R O - 356	2.5	2.3	2.5	2.0	2.3	2.3	2.4	1.9	1.0	1.9	2.2
17	JKMH - 495	2.8	3.0	1.5	2.0	2.3	2.4	2.5	1.9	1.0	1.9	2.4
	CHECKS:											
18	SURYA	2.8	2.7	1.8	2.7	2.5	2.8	2.6	2.8	1.3	2.3	2.7
19	HIM - 129	2.5	1.7	2.0	2.7	2.2	2.7	2.4	2.9	1.3	2.3	2.6
	MEAN LOCATION	2.4	2.5	1.7	2.1	2.2	2.6	2.4	2.4	1.1	2.1	2.3
	C.D. AT 5%=	0.2	0.9	0.6	0.4	0.5	0.3	0.5	0.5	0.2	0.4	-
	C.V. % =	5.3	22.6	24.7	10.4	-	9.1	14.8	14.0	10.1	-	-
	F (Prob)	.000	.063	.000	.000	-	.000	.404	.000	.000	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	D E H - 10302	197	173	99	155	188	154	124	100	139	163	170	139
2	H K H - 1183	217	183	124	152	191	162	141	98	140	177	182	148
3	H K H - 1185	205	178	115	165	189	162	132	104	137	176	192	148
4	H K H - 1199	221	183	135	163	197	170	138	118	151	175	204	157
5	H K H - 1210	227	198	135	168	214	179	148	127	149	194	204	164
6	H K H - 1214	210	163	128	163	179	158	135	104	148	172	184	149
7	F H - 3208	211	153	111	170	197	158	141	105	136	167	173	144
8	F H - 3210	216	168	123	168	200	165	144	122	149	177	184	155
9	F H - 3215	220	185	126	177	196	171	147	113	160	184	175	156
10	A H - 017049	243	193	119	178	200	172	152	120	158	176	202	162
11	A H - 014 16	223	188	130	162	186	166	139	107	149	187	196	156
12	SEEDTEC - 205	219	188	133	193	195	177	152	121	160	179	181	158
13	SEEDTEC - 1307	219	158	111	170	181	155	117	104	142	177	175	143
14	BISCO - 2051	212	180	116	155	202	163	149	115	140	192	171	154
15	BISCO - C 35	244	195	144	180	195	178	146	120	152	178	204	160
16	P R O - 356	235	195	128	155	216	173	148	107	145	183	198	156
17	JKMH - 495	209	175	128	160	194	164	140	101	142	178	187	150
	CHECKS:												
18	SURYA	224	188	118	160	196	165	154	105	144	191	181	155
19	HIM - 129	214	178	110	157	188	158	130	105	134	177	177	144
	MEAN LOCATION	219	180	123	166	195	166	141	110	146	179	186	153
	C.D. AT 5%=	7.5	15.5	16.5	11.7	17.7	15.4	18.8	11.3	17.2	5.0	11.1	12.7
	C.V. % =	2.4	5.2	9.5	4.3	6.4	-	9.4	7.2	7.1	2.0	4.2	-
	F (Prob)	.000	.000	.000	.000	.011	-	.013	.000	.081	.000	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	D E H - 10302	200	156	142	122	155	183	125	146	126	145	150
2	H K H - 1183	211	173	175	123	171	216	133	157	136	160	163
3	H K H - 1185	204	159	161	115	160	201	120	161	125	152	158
4	H K H - 1199	221	176	176	128	175	224	153	157	146	170	170
5	H K H - 1210	224	168	184	143	180	231	139	168	148	171	176
6	H K H - 1214	201	164	163	120	162	204	156	149	126	159	159
7	F H - 3208	188	143	165	128	156	176	145	150	130	150	155
8	F H - 3210	173	163	146	133	154	203	150	154	138	161	162
9	F H - 3215	209	171	160	135	169	206	144	148	136	159	166
10	A H - 017049	226	184	185	138	183	230	140	163	133	166	174
11	A H - 014 16	222	153	180	138	173	206	148	156	139	162	167
12	SEEDTEC - 205	201	155	159	122	159	208	158	162	130	164	167
13	SEEDTEC - 1307	199	157	182	122	165	205	159	146	124	158	158
14	BISCO - 2051	194	145	172	113	156	208	148	165	136	164	162
15	BISCO - C 35	224	195	180	135	183	229	153	159	135	169	176
16	P R O - 356	208	172	175	138	173	220	146	155	136	164	170
17	JKMH - 495	219	167	162	135	171	219	135	148	135	159	163
	CHECKS:											
18	SURYA	212	155	165	115	162	210	153	149	133	161	164
19	HIM - 129	200	149	155	123	157	184	126	158	129	149	155
	MEAN LOCATION	207	163	168	128	167	208	144	155	134	160	164
	C.D. AT 5%=	20.9	19.1	8.6	17.7	16.6	18.5	8.8	13.4	13.4	13.5	-
	C.V. % =	7.1	7.1	3.6	8.3	-	6.2	4.3	6.1	7.1	-	-
	F (Prob)	.000	.000	.000	.021	-	.000	.000	.023	.039	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 1 ALMO	DELH	LUDH	KARN	PANT	ZN 2 MEAN	GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	D E H - 10302	91	63	50	75	74	65	58	43	55	79	55	58
2	H K H - 1183	107	83	56	63	72	69	55	44	59	75	55	57
3	H K H - 1185	99	70	58	72	81	70	52	52	59	77	62	60
4	H K H - 1199	96	75	71	77	73	74	57	46	57	78	57	59
5	H K H - 1210	106	88	68	82	85	80	66	57	59	93	66	68
6	H K H - 1214	100	68	63	87	73	72	56	47	68	83	59	62
7	F H - 3208	105	53	53	95	79	70	57	43	54	75	54	56
8	F H - 3210	93	53	66	82	77	69	54	45	54	76	54	57
9	F H - 3215	106	70	64	92	87	78	64	46	63	79	61	63
10	A H - 017049	124	70	60	78	88	74	68	47	73	88	68	69
11	A H - 014 16	110	85	71	75	84	79	67	48	66	95	73	70
12	SEEDTEC - 205	106	83	74	100	86	86	68	54	65	80	60	65
13	SEEDTEC - 1307	111	65	59	73	76	68	54	40	65	82	57	59
14	BISCO - 2051	106	73	61	80	87	75	66	56	62	94	73	70
15	BISCO - C 35	135	90	80	97	86	88	68	55	74	94	72	73
16	P R O - 356	124	83	70	72	90	79	72	42	67	91	66	68
17	JKMH - 495	93	58	51	68	74	63	52	35	52	73	53	53
	CHECKS:												
18	SURYA	107	85	63	83	79	77	74	42	61	93	59	66
19	HIM - 129	97	78	51	80	70	70	52	44	53	82	50	56
	MEAN LOCATION	106	73	63	81	80	74	61	46	61	84	61	63
	C.D. AT 5%=	8.1	14.7	13.2	9.5	9.2	11.6	15.9	9.6	11.0	4.3	9.0	10.0
	C.V. % =	5.4	12.1	14.9	7.1	8.1	-	18.4	14.5	10.8	3.6	10.5	-
	F (Prob)	.000	.000	.000	.000	.000	-	.061	.001	.003	.000	.000	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	Hturcicum * ZN 1 ALMO	ZN 4 KOLH	OV'L MEAN
1	D E H - 10302	83	69	62	47	65	70	44	59	51	56	63	1.4	3.0	2.2
2	H K H - 1183	81	78	78	47	71	84	51	67	58	65	67	2.9	2.5	2.7
3	H K H - 1185	82	73	73	52	70	84	54	71	58	66	68	1.5	2.0	1.7
4	H K H - 1199	87	76	93	45	75	98	63	66	61	72	71	2.6	2.7	2.6
5	H K H - 1210	86	71	82	62	75	94	53	71	66	71	75	3.2	2.3	2.8
6	H K H - 1214	83	79	72	48	70	83	65	67	54	67	69	2.7	2.2	2.4
7	F H - 3208	70	61	65	50	61	61	56	62	55	59	64	1.4	2.3	1.9
8	F H - 3210	75	70	58	43	61	69	52	63	60	61	63	1.6	2.5	2.1
9	F H - 3215	82	75	71	42	67	86	53	66	49	63	70	1.1	2.3	1.7
10	A H - 017049	89	85	72	48	74	90	58	69	63	70	74	1.2	2.0	1.6
11	A H - 014 16	94	76	83	57	78	98	53	70	60	70	76	1.2	2.2	1.7
12	SEEDTEC - 205	82	74	82	52	72	93	60	74	55	70	75	1.1	2.2	1.6
13	SEEDTEC - 1307	81	74	79	48	71	83	69	55	54	65	68	1.0	1.7	1.3
14	BISCO - 2051	77	67	83	50	69	89	63	76	66	73	74	1.3	2.0	1.6
15	BISCO - C 35	91	97	94	55	84	101	64	70	65	75	83	1.1	1.7	1.4
16	P R O - 356	88	78	78	60	76	91	63	73	66	73	76	1.0	2.5	1.8
17	JKMH - 495	83	61	53	48	61	69	54	59	54	59	60	1.1	1.8	1.5
	CHECKS:														
18	SURYA	89	60	68	40	64	93	65	64	61	71	71	2.5	3.0	2.7
19	HIM - 129	77	68	58	42	61	70	45	69	51	59	63	1.3	2.8	2.1
	MEAN LOCATION	83	73	74	49	70	84	57	67	58	67	70	1.6	2.3	2.0
	C.D. AT 5%=	11.5	16.3	2.0	14.0	11.0	16.5	7.5	11.9	9.9	11.4	-	0.4	0.6	-
	C.V. % =	9.8	13.4	2.0	17.2	-	13.8	9.3	12.6	12.0	-	-	17.4	16.9	-
	F (Prob)	.018	.015	.000	.148	-	.000	.000	.081	.005	-	-	.000	.002	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	H.maydis ZN 1 ALMO	H.maydis ZN 1 GORA BELI	H.maydis JASH	ZN 3 MEAN	OV'L MEAN	EAR No. / PLANT ALMO	DELH	LUDH	GORA BELI	VARA	RANC
1	D E H - 10302	1.5	2.5	2.4	2.4	2.1	1.02	1.08	0.94	0.96	1.02	0.79
2	H K H - 1183	1.6	2.1	2.4	2.3	2.0	1.04	1.11	0.94	0.98	1.02	0.76
3	H K H - 1185	1.3	1.8	2.1	1.9	1.7	1.00	1.11	0.94	0.94	1.00	0.70
4	H K H - 1199	1.5	1.8	2.3	2.0	1.8	0.96	1.06	0.92	0.97	1.07	0.79
5	H K H - 1210	1.6	1.9	3.0	2.4	2.2	0.99	0.96	0.86	0.96	1.00	0.86
6	H K H - 1214	1.6	1.5	2.9	2.2	2.0	1.05	1.02	0.87	0.95	1.04	0.89
7	F H - 3208	1.4	2.3	2.5	2.4	2.0	1.05	1.10	0.94	0.98	0.99	0.81
8	F H - 3210	1.6	2.3	2.5	2.4	2.1	1.01	1.03	0.85	1.01	1.01	0.95
9	F H - 3215	1.3	1.6	1.5	1.6	1.5	1.07	1.01	0.86	0.99	1.02	0.89
10	A H - 017049	1.5	1.9	2.1	2.0	1.8	1.01	1.12	0.91	0.92	1.04	0.92
11	A H - 014 16	1.7	1.6	3.1	2.4	2.2	1.00	1.05	0.88	0.99	1.07	0.99
12	SEEDTEC - 205	1.5	1.8	2.5	2.1	1.9	1.05	1.03	0.95	0.97	1.02	1.01
13	SEEDTEC - 1307	1.0	1.5	1.8	1.6	1.4	1.00	1.07	0.96	1.00	1.14	0.92
14	BISCO - 2051	1.5	1.9	2.3	2.1	1.9	1.03	1.06	0.93	1.08	1.04	0.70
15	BISCO - C 35	1.0	1.3	1.4	1.3	1.2	1.10	1.10	0.96	0.96	1.00	0.84
16	P R O - 356	1.1	1.8	1.9	1.8	1.6	0.95	1.03	0.92	1.03	1.06	0.94
17	JKMH - 495	1.5	2.0	2.3	2.1	1.9	0.99	1.05	0.92	0.95	1.00	0.89
	CHECKS:											
18	SURYA	1.8	2.3	3.4	2.8	2.5	1.06	1.06	0.93	1.00	1.02	0.78
19	HIM - 129	1.6	2.1	2.9	2.5	2.2	1.06	1.01	0.87	1.02	0.97	0.91
	MEAN LOCATION	1.4	1.9	2.4	2.1	1.9	-	-	-	-	-	-
	C.D. AT 5%=	0.3	0.5	0.6	0.6	-	-	-	-	-	-	-
	C.V. % =	14.9	20.1	18.4	-	-	-	-	-	-	-	-
	F (Prob)	.000	.002	.000	-	-	-	-	-	-	-	-

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	EAR No. / PLANT JASH	AMBI	MAND	COIM	KOLH	UDAI	BANS	GODH	OV'L MEAN	PHYSO. * ALMO	BLSB * JASH
1	D E H - 10302	1.01	1.01	0.90	1.01	0.78	1.03	1.10	1.02	0.98	1.6	2.0
2	H K H - 1183	1.00	1.00	0.78	1.00	0.81	0.98	1.09	1.03	0.97	2.1	2.1
3	H K H - 1185	1.00	1.00	0.86	1.00	0.74	0.99	1.03	0.99	0.95	2.2	2.0
4	H K H - 1199	1.09	0.99	0.76	1.00	0.79	0.82	1.25	0.97	0.96	2.2	2.0
5	H K H - 1210	1.00	1.00	0.90	1.00	0.62	0.92	1.15	0.98	0.94	1.7	1.8
6	H K H - 1214	1.00	1.01	0.73	0.99	0.51	0.82	1.11	1.03	0.93	2.5	2.0
7	F H - 3208	1.02	1.03	0.86	1.01	0.69	0.96	0.96	1.03	0.96	1.5	2.1
8	F H - 3210	1.00	1.01	0.87	1.00	0.63	0.90	1.11	1.00	0.96	1.8	2.3
9	F H - 3215	1.00	1.00	0.84	1.00	0.56	0.94	1.03	1.00	0.94	1.3	1.5
10	A H - 017049	1.05	1.02	0.95	1.00	0.82	1.00	1.15	1.04	1.00	1.6	2.5
11	A H - 014 16	1.01	1.00	0.72	1.00	0.91	1.01	1.10	1.12	0.99	1.9	2.1
12	SEEDTEC - 205	1.00	0.99	0.93	1.00	0.83	0.90	0.91	1.05	0.97	1.7	2.6
13	SEEDTEC - 1307	1.00	1.00	0.79	1.01	0.96	0.88	1.08	1.04	0.99	1.4	1.8
14	BISCO - 2051	1.00	1.05	0.73	1.00	0.89	0.86	1.08	1.01	0.96	1.6	2.4
15	BISCO - C 35	1.02	1.04	0.92	1.00	0.75	1.07	1.15	0.99	0.99	1.6	1.6
16	P R O - 356	1.01	0.94	0.90	1.00	0.83	0.70	1.09	1.01	0.96	1.9	1.6
17	JKMH - 495	1.00	1.00	0.94	0.99	0.66	0.94	0.97	1.17	0.96	1.7	2.9
	CHECKS:											
18	SURYA	1.00	0.96	0.92	1.00	0.72	0.92	1.02	1.07	0.96	2.3	2.0
19	HIM - 129	1.00	1.00	0.96	1.00	0.83	0.91	1.07	1.03	0.97	1.5	2.4
	MEAN LOCATION	-	-	-	-	-	-	-	-	-	1.8	2.1
	C.D. AT 5%=	-	-	-	-	-	-	-	-	-	0.4	0.7
	C.V. % =	-	-	-	-	-	-	-	-	-	14.0	22.8
	F (Prob)	-	-	-	-	-	-	-	-	-	.000	.010

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST ALMO	DELH	LUDH	KARN	PANT	GORA BELI	VARA	DHOL	RANC	JASH	AMBI
1	D E H - 10302	18	36	36	23	38	34	38	35	29	27	30
2	H K H - 1183	20	38	37	23	36	30	37	34	33	26	32
3	H K H - 1185	21	34	37	23	41	34	38	37	34	24	36
4	H K H - 1199	20	38	36	23	37	36	39	32	32	26	29
5	H K H - 1210	20	35	36	24	37	34	34	34	35	30	31
6	H K H - 1214	20	37	38	25	40	35	41	33	31	28	28
7	F H - 3208	20	31	39	22	41	36	33	36	29	29	36
8	F H - 3210	20	34	34	23	35	29	34	32	31	28	31
9	F H - 3215	19	39	38	25	37	34	36	33	37	28	30
10	A H - 017049	21	36	37	24	37	32	36	37	36	30	35
11	A H - 014 16	23	33	37	26	29	35	40	35	30	30	33
12	SEEDTEC - 205	19	35	35	23	35	27	34	32	30	29	25
13	SEEDTEC - 1307	21	34	36	28	38	32	37	29	31	29	25
14	BISCO - 2051	20	33	34	26	37	32	33	29	27	26	32
15	BISCO - C 35	21	35	38	27	37	37	38	35	34	29	35
16	P R O - 356	20	35	39	24	41	36	40	38	32	33	39
17	JKMH - 495	21	33	38	26	35	34	35	32	38	27	37
	CHECKS:											
18	SURYA	20	39	31	25	32	28	30	28	32	28	30
19	HIM - 129	21	37	36	23	36	25	30	34	30	32	32
	MEAN LOCATION	20	35	36	24	37	33	36	33	32	28	32
	C.D. AT 5%=	1.8	5.9	4.0	2.9	4.0	3.1	4.5	5.5	5.3	3.9	7.5
	C.V. % =	6.3	10.0	7.8	7.2	7.7	6.7	7.5	11.7	9.9	9.8	16.7
	F (Prob)	.014	.405	.026	.033	.000	.000	.000	.032	.011	.010	.019

TABLE NO. 7 (CONT.)

Sl No	PEDIGREE	STAND AT HARVEST									OV'L MEAN
		ARBH	BANG PROA	MAND	COIM	KOLH	UDAI	BANS	GODH	CHHI	
1	D E H - 10302	38	33	40	37	42	30	29	27	26	32
2	H K H - 1183	38	32	37	36	43	31	20	21	29	32
3	H K H - 1185	36	31	39	37	44	29	28	22	25	32
4	H K H - 1199	31	23	34	38	48	28	22	29	24	31
5	H K H - 1210	39	33	39	36	45	34	26	22	24	32
6	H K H - 1214	33	28	37	38	45	30	31	25	26	32
7	F H - 3208	41	33	37	38	46	29	24	25	32	33
8	F H - 3210	38	34	40	37	44	32	24	19	20	31
9	F H - 3215	45	32	37	37	46	30	26	21	18	32
10	A H - 017049	45	33	38	37	45	32	23	31	27	34
11	A H - 014 16	44	33	36	36	41	30	24	32	29	33
12	SEEDTEC - 205	35	31	37	37	41	28	23	20	20	30
13	SEEDTEC - 1307	40	33	38	36	42	31	24	17	25	31
14	BISCO - 2051	35	33	33	38	42	30	24	22	24	30
15	BISCO - C 35	42	33	39	38	45	32	26	22	25	33
16	P R O - 356	40	34	38	37	46	34	24	28	34	35
17	JKMH - 495	43	32	37	37	45	38	30	35	34	34
	CHECKS:										
18	SURYA	35	30	36	38	41	26	24	17	22	29
19	HIM - 129	36	32	37	37	39	31	26	27	24	31
	MEAN LOCATION	39	32	37	37	44	31	25	24	26	32
	C.D. AT 5%=	7.8	2.5	6.1	0.9	5.1	4.5	5.2	6.9	6.3	-
	C.V. % =	14.3	5.5	9.9	1.7	7.0	10.2	14.5	20.2	17.3	-
	F (Prob)	.015	.000	.733	.000	.069	.001	.007	.000	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 8

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT DELHI, LUDHIANA, KARNAL, PANTNAGAR IN AET 1st YEAR, TRIAL No. TR65_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE DELH	R	LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	J H - 10269	6249	1	9614	1	3955	3	5556	1	6344	1	5.71	9.25	3.74	8.91	7.40
2	F-9572 A (RETEST.)	4975	5	9366	2	3719	6	4589	3	5662	3	-	6.43	-	-	-
	CHECKS:															
3	PRO - 311	5911	2	8800	3	3813	5	5102	2	5906	2	-	-	-	-	-
4	DECCAN - 103	4986	4	6433	6	4874	1	4134	4	5107	5	-	-	27.85	-	-
5	BIO - 9681	5159	3	8302	4	3848	4	3273	6	5146	4	-	-	0.93	-	-
6	GANGA - 11	4782	6	6921	5	4630	2	3346	5	4920	6	-	-	21.45	-	-
	MEAN YIELD=	5344		8239		4140		4333		5514						
	MEAN STAND	81		78		50		73		70						
	C.D. AT 5%=	928		1034		581		1210		938						
	C.V. % =	9.66		8.41		7.81		18.71		-						
	F (Prob)	.062		.000		.003		.000								
	PLOT SIZE=	15.00		10.40		7.80		15.00		-						
	AGRONOMY DATA:															
	SOWING DATE(2002)	4-07		17-07		25-06		28-06		-						
	HARVEST DATE(2002)	16-10		12-10		2-10		10-10		-						
	IRRIGATION Nos	-		8		3		2		-						
	FERTILIZER APP.N	120		125		150		120		-						
	P	80		60		60		60		-						
	K	60		30		60		-		-						

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 DELH	LUDH	KARN	PANT	ZN 2 MEAN	OVER THE BIO - 9681 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	J H - 10269	25.34	49.45	-	34.42	24.22	21.12	15.80	2.78	69.78	23.28
2	F-9572 A(RETEST.)	-	45.60	-	11.01	10.88	-	12.81	-	40.20	10.04
	CHECKS:										
3	PRO - 311	18.57	36.80	-	23.43	15.66	14.57	6.00	-	55.89	14.79
4	DECCAN - 103	-	-	-	-	-	-	-	26.67	26.30	-
5	BIO - 9681	3.49	29.06	-	-	0.76	-	-	-	-	-
6	GANGA - 11	-	7.59	-	-	-	-	-	20.32	2.23	-

TABLE NO. 8 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 DELH	LUDH	KARN	PANT	ZN 2 MEAN	DAYS TO 50% POLLEN SHED DELH	LUDH	KARN	ZN 2 MEAN
1	J H - 10269	30.68	38.91	-	66.08	28.94	52.3	51.3	53.3	52.3
2	F-9572 A (RETEST.)	4.04	35.33	-	37.15	15.09	53.3	51.3	53.3	52.3
	CHECKS:									
3	PRO - 311	23.62	27.15	-	52.50	20.06	52.3	50.3	52.3	51.3
4	DECCAN - 103	4.26	-	5.27	23.55	3.80	48.3	48.3	47.3	48.3
5	BIO - 9681	7.90	19.96	-	-	4.59	49.3	48.3	49.3	48.3
6	GANGA - 11	-	-	-	-	-	50.3	49.3	49.3	50.3
	MEAN LOCATION	-	-	-	-	-	51.3	49.3	51.3	50.3
	C.D. AT 5%=	-	-	-	-	-	2.6	1.5	1.5	1.9
	C.V. % =	-	-	-	-	-	2.8	2.1	1.6	-
	F (Prob)	-	-	-	-	-	.009	.001	.000	-

Sl No	PEDIGREE	DAYS TO 50 % SILKING DELH	LUDH	KARN	PANT	ZN 2 MEAN	DRY HUSK LUDH	MOISTURE % AT HARVEST DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	J H - 10269	57.3	53.3	55.0	61.8	56.8	88.8	30.5	22.9	14.9	33.2	25.4
2	F-9572 A (RETEST.)	60.0	53.3	55.3	66.8	58.8	88.0	29.2	22.8	15.2	37.0	26.0
	CHECKS:											
3	PRO - 311	55.7	52.0	54.3	61.8	55.9	87.5	30.8	23.5	15.0	36.0	26.3
4	DECCAN - 103	53.7	50.0	50.0	60.3	53.5	88.8	24.5	23.4	14.0	31.5	23.3
5	BIO - 9681	52.0	49.3	51.0	59.8	53.0	84.8	27.5	22.6	14.2	35.1	24.9
6	GANGA - 11	55.3	52.3	51.7	62.8	55.5	90.8	25.3	23.3	14.4	34.3	24.3
	MEAN LOCATION	55.7	51.7	52.9	62.2	55.6	88.1	28.0	23.1	14.6	34.5	25.0
	C.D. AT 5%=	4.5	1.7	1.6	2.0	2.5	0.7	2.4	0.4	0.5	1.7	1.2
	C.V. % =	4.4	2.2	1.6	2.2	-	0.5	4.7	1.2	1.8	3.3	-
	F (Prob)	.032	.001	.000	.000	-	.000	.001	.002	.002	.000	-

TABLE NO. 8 (CONT.)

Sl No	PEDIGREE	PLANT ASP.* DELH	EAR ASP.* DELH	PLANT HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN	EAR HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	J H - 10269	2.3	2.0	218	209	198	207	208	100	111	102	100	103
2	F-9572 A (RETEST.)	2.0	2.0	220	213	205	218	214	98	99	95	94	96
	CHECKS:												
3	PRO - 311	2.2	1.8	208	199	182	192	195	98	103	112	88	100
4	DECCAN - 103	2.3	2.3	218	196	197	206	204	95	101	107	85	97
5	BIO - 9681	2.3	2.0	228	198	193	225	211	100	88	92	87	92
6	GANGA - 11	2.3	2.0	225	211	192	205	208	105	114	107	92	104
	MEAN LOCATION	2.3	2.0	219	204	194	209	207	99	103	102	91	99
	C.D. AT 5%=	0.3	0.4	14.6	14.6	14.7	14.0	14.5	5.5	18.3	11.2	8.5	10.9
	C.V. % =	8.1	10.2	3.7	4.7	4.2	4.5	-	3.1	11.8	6.0	6.2	-
	F (Prob).	.211	.201	.123	.089	.079	.002	-	.034	.085	.019	.020	-

Sl No	PEDIGREE	EAR No./PLANT DELH	LUDH	ZN 2 MEAN	STAND AT HARVEST DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	J H - 10269	1.04	0.96	1.00	87	82	52	80	75
2	F-9572 A (RETEST.)	1.04	0.93	0.98	78	73	51	72	68
	CHECKS:								
3	PRO - 311	1.02	0.92	0.97	77	79	49	79	71
4	DECCAN - 103	1.00	0.95	0.97	85	81	50	80	74
5	BIO - 9681	1.05	0.94	0.99	78	80	50	51	65
6	GANGA - 11	1.16	0.96	1.06	83	71	48	74	69
	MEAN LOCATION	-	-	-	81	78	50	73	70
	C.D. AT 5%=	-	-	-	14.1	10.6	3.3	4.7	8.2
	C.V. % =	-	-	-	9.5	9.1	3.6	4.3	-
	F (Prob)	-	-	-	.511	.226	.331	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 9

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT BELIPAR GORAKHPUR, RANCHI, JASHIPUR, AMBIKAPUR IN AET 2nd YEAR, TRIAL No. TR65_ZONE 3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										GRAIN YIELD % SUPERIORITY OVER THE PRO - 311				
		GORA BELI	R	RANC	R	JASH	R	AMBI	R	ZN 3 MEAN	R	GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	4918	3	3930	5	6526	5	6871	2	5561	5	-	-	-	4.77	-
2	JKMH - 1090	4838	4	4266	2	7148	2	6480	4	5683	4	-	4.03	0.71	-	-
3	F - 1562	4543	5	4453	1	7523	1	6413	5	5733	3	-	8.58	6.00	-	-
	CHECKS:															
4	PRO - 311	6100	1	4101	4	7097	3	6558	3	5964	2	-	-	-	-	-
5	DECCAN - 103	4303	7	3305	7	5500	7	5646	6	4689	6	-	-	-	-	-
6	BIO - 9681	5750	2	4227	3	7013	4	7681	1	6168	1	-	3.08	-	17.11	3.41
7	GANGA - 11	4444	6	3378	6	6512	6	4398	7	4683	7	-	-	-	-	-
	MEAN YIELD=	4985		3952		6760		6292		5497						
	MEAN STAND	72		67		61		68		67						
	C.D. AT 5%=	340		946		264		1583		783						
	C.V. % =	4.63		16.23		2.64		17.06		-						
	F (Prob)	.000		.043		.000		.069								
	PLOT SIZE=	12.00		14.00		12.00		15.00		-						
	AGRONOMY DATA:															
	SOW. DATE(2002)	2-07		6-07		28-06		26-06		-						
	HARV. DATE(2002)	9-10		21-10		9-10		-		-						
	IRRIGATION Nos	-		2		-		-		-						
	FERTILIZER APP.N	120		100		120		100		-						
	P	60		60		60		50		-						
	K	60		40		60		25		-						

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DHOL 25.1%

TABLE NO. 9 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN	BIO - 9681 GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	14.30	18.90	18.65	21.70	18.61	-	-	-	-	-
2	JKMH - 1090	12.43	29.08	29.95	14.77	21.21	-	0.92	1.92	-	-
3	F - 1562	5.57	34.73	36.78	13.58	22.27	-	5.33	7.27	-	-
	CHECKS:										
4	PRO - 311	41.76	24.08	29.03	16.16	27.21	6.09	-	1.20	-	-
5	DECCAN - 103	-	-	-	-	-	-	-	-	-	-
6	BIO - 9681	33.62	27.90	27.50	36.04	31.55	-	-	-	-	-
7	GANGA - 11	3.26	2.22	18.38	-	-	-	-	-	-	-

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % POLLEN SHED GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	10.68	16.32	0.23	56.25	18.76	58.0	53.8	50.3	54.8	54.2
2	JKMH - 1090	8.88	26.28	9.77	47.35	21.36	61.0	51.8	50.8	56.3	54.9
3	F - 1562	2.23	31.80	15.54	45.83	22.43	61.8	52.0	51.3	56.5	55.4
	CHECKS:										
4	PRO - 311	37.28	21.39	9.00	49.14	27.37	58.5	49.5	51.3	57.0	54.1
5	DECCAN - 103	-	-	-	28.39	0.13	56.8	51.8	49.5	51.3	52.3
6	BIO - 9681	29.40	25.13	7.71	74.66	31.71	56.5	53.5	48.3	50.5	52.2
7	GANGA - 11	-	-	-	-	-	58.0	52.5	51.3	54.0	53.9
	MEAN LOCATION	-	-	-	-	-	58.6	52.1	50.4	54.3	53.9
	C.D. AT 5%=	-	-	-	-	-	0.9	1.3	1.3	2.3	1.4
	C.V. % =	-	-	-	-	-	1.0	1.7	1.7	2.9	-
	F (Prob)	-	-	-	-	-	.000	.000	.001	.000	-

TABLE NO. 9 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % DRY HUSK GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	60.5	58.3	53.0	59.3	57.8	98.3	88.0	94.3	99.0	94.9
2	JKMH - 1090	63.8	55.8	53.3	60.5	58.3	97.3	85.5	93.0	96.0	92.9
3	F - 1562	64.5	55.5	53.5	61.0	58.6	98.5	86.0	94.3	98.0	94.2
	CHECKS:										
4	PRO - 311	61.0	53.5	55.0	60.8	57.6	94.5	84.0	93.3	98.5	92.6
5	DECCAN - 103	59.8	55.3	52.5	57.0	56.1	95.0	85.0	92.0	97.0	92.3
6	BIO - 9681	59.5	57.3	52.0	55.8	56.1	93.5	87.0	92.0	98.3	92.7
7	GANGA - 11	60.5	56.3	56.0	59.3	58.0	95.5	86.0	94.0	98.5	93.5
	MEAN LOCATION	61.4	56.0	53.6	59.1	57.5	96.1	85.9	93.3	97.9	93.3
	C.D. AT 5%=	0.9	1.6	2.4	2.2	1.8	0.9	1.1	2.1	1.9	1.5
	C.V. % =	1.0	1.9	3.0	2.5	-	0.6	0.9	1.5	1.3	-
	F (Prob)	.000	.000	.031	.000	-	.000	.000	.124	.055	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST GORA BELI	RANC	JASH	ZN 3 MEAN	PLANT ASPECT * GORA BELI	JASH	ZN 3 MEAN	EAR ASPECT * GORA BELI	JASH	ZN 3 MEAN
1	P M Z - 234	29.8	29.2	23.0	27.3	2.0	2.0	2.0	2.1	1.8	1.9
2	JKMH - 1090	31.3	30.6	23.1	28.3	2.1	1.0	1.6	2.3	1.0	1.6
3	F - 1562	31.0	28.1	22.5	27.2	2.4	1.0	1.7	2.3	1.0	1.6
	CHECKS:										
4	PRO - 311	30.1	27.2	22.3	26.5	1.5	1.0	1.3	1.9	1.0	1.4
5	DECCAN - 103	29.5	25.3	23.2	26.0	2.8	2.5	2.6	2.6	3.5	3.1
6	BIO - 9681	29.8	26.2	23.4	26.4	2.0	1.5	1.8	2.1	2.0	2.1
7	GANGA - 11	30.5	25.1	22.5	26.0	2.3	2.0	2.1	2.8	2.3	2.5
	MEAN LOCATION	30.3	27.4	22.8	26.8	2.1	1.6	1.9	2.3	1.8	2.0
	C.D. AT 5%=	1.0	0.6	0.2	0.6	0.3	0.5	0.4	0.6	0.5	0.5
	C.V. % =	2.2	1.6	0.5	-	8.9	19.6	-	17.4	19.0	-
	F (Prob)	.007	.000	.000	-	.000	.000	-	.077	.000	-

TABLE NO. 9 (CONT.)

Sl No	PEDIGREE	HUSK COVER * GORA BELI	JASH	ZN 3 MEAN	UNIFORMITY * GORA BELI	JASH	ZN 3 MEAN	PLANT HEIGHT (cm) GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	2.1	1.0	1.6	2.5	2.0	2.3	161	174	191	241	191
2	JKMH - 1090	2.3	1.0	1.6	2.4	1.8	2.1	148	168	186	217	179
3	F - 1562	2.8	1.0	1.9	2.5	1.0	1.8	150	169	185	235	185
	CHECKS:											
4	PRO - 311	1.6	1.3	1.4	2.0	2.0	2.0	151	164	184	224	181
5	DECCAN - 103	3.0	3.0	3.0	2.5	4.0	3.3	156	177	187	230	188
6	BIO - 9681	2.1	2.0	2.1	2.4	3.0	2.7	172	183	192	236	196
7	GANGA - 11	2.3	2.8	2.5	2.4	2.8	2.6	156	180	198	230	191
	MEAN LOCATION	2.3	1.7	2.0	2.4	2.4	2.4	156	173	189	230	187
	C.D. AT 5%=	0.3	0.4	0.4	0.3	0.4	0.4	20.9	10.9	7.1	18.6	14.4
	C.V. % =	9.5	15.2	-	9.4	11.6	-	9.0	4.2	2.5	5.4	-
	F (Prob)	.000	.000	-	.060	.000	-	.277	.015	.007	.210	-

Sl No	PEDIGREE	EAR HEIGHT (cm) GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN	H.maydis * GORA BELI	JASH	ZN 3 MEAN
1	P M Z - 234	82	77	81	92	83	1.5	1.9	1.7
2	JKMH - 1090	73	82	90	84	82	1.1	1.1	1.1
3	F - 1562	71	84	97	96	87	1.3	1.1	1.2
	CHECKS:								
4	PRO - 311	71	82	91	92	84	1.5	1.4	1.4
5	DECCAN - 103	70	85	91	88	84	1.9	3.6	2.8
6	BIO - 9681	66	77	83	82	77	1.6	2.0	1.8
7	GANGA - 11	67	84	97	94	86	1.8	2.0	1.9
	MEAN LOCATION	71	82	90	90	83	1.5	1.9	1.7
	C.D. AT 5%=	19.2	7.7	6.2	11.8	11.2	0.6	0.7	0.7
	C.V. % =	18.2	6.4	4.7	8.8	-	28.6	25.3	-
	F (Prob)	.685	.201	.000	.155	-	.239	.000	-

TABLE NO. 9 (CONT.)

Sl No	PEDIGREE	EAR NO./PLANT GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN	BSLB* ZN 3 JASH	STAND AT HARVEST GORA BELI	RANC	JASH	AMBI	ZN 3 MEAN
1	P M Z - 234	0.96	0.90	1.00	0.94	0.95	2.5	72	65	62	69	67
2	JKMH - 1090	0.96	0.85	1.00	1.01	0.95	2.5	69	70	61	68	67
3	F - 1562	0.97	0.84	1.00	1.13	0.98	2.4	71	69	64	73	69
	CHECKS:											
4	PRO - 311	0.96	0.84	1.00	1.04	0.96	2.1	73	66	63	68	67
5	DECCAN - 103	0.97	0.77	1.00	1.08	0.96	3.0	72	66	59	67	66
6	BIO - 9681	0.97	0.80	1.00	1.01	0.94	2.0	73	71	61	65	67
7	GANGA - 11	0.95	0.85	1.00	1.13	0.98	2.1	72	66	57	67	65
	MEAN LOCATION	-	-	-	-	-	2.4	72	67	61	68	67
	C.D. AT 5%=	-	-	-	-	-	1.2	3.1	6.5	3.8	8.9	5.6
	C.V. % =	-	-	-	-	-	33.4	2.9	6.5	4.2	8.8	-
	F (Prob)	-	-	-	-	-	.633	.126	.360	.024	.698	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 10

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, COIMBATORE, KOLHAPUR IN TRIAL No. TR65_ZONE 4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 4	
		HYDE	R	KARI	R	ARBH	R	MAND	R	COIM	R	KOLH	R	MEAN	R
1	BIO - 9?327	5379	2	5695	3	7388	2	9225	3	4293	3	4252	2	6039	3
	CHECKS:														
2	PRO - 311	6239	1	7045	1	6612	4	11020	2	4802	1	4142	3	6643	2
3	DECCAN 103	3819	4	5406	4	7040	3	7499	5	3789	5	2946	5	5083	4
4	BIO - 9681	5129	3	6906	2	7693	1	11184	1	4538	2	5090	1	6757	1
5	GANGA - 11	3749	5	5190	5	6065	5	7716	4	3815	4	3373	4	4985	5
	MEAN YIELD=	4863		6049		6959		9329		4247		3961		5901	
	MEAN STAND	47		84		82		78		75		75		74	
	C.D. AT 5%=	1290		977		730		970		1134		1254		1059	
	C.V. % =	17.50		10.65		6.91		5.63		17.60		17.15		-	
	F (Prob)	.839		.001		.001		.000		.227		.012			
	PLOT SIZE=	15.00		15.00		15.00		14.00		15.00		15.00		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	3-07		1-08		17-07		25-07		12-07		20-07		-	
	HARVEST DATE(2002)	22-10		18-11		11-11		28-11		23-10		15-11		-	
	IRRIGATION Nos	6		5		7		5		8		1		-	
	FERTILIZER APPLIED N	120		120		150		150		135		120		-	
	P	60		60		75		75		63		60		-	
	K	30		30		38		40		50		40		-	

TABLE NO. 10 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE PRO - 311

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	-	-	11.72	-	-	2.66	-
	CHECKS:							
2	PRO - 311	-	-	-	-	-	-	-
3	DECCAN - 103	-	-	6.46	-	-	-	-
4	BIO - 9681	-	-	16.35	1.49	-	22.91	1.71
5	GANGA - 11	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	40.85	5.34	4.94	23.01	13.31	44.31	18.79
	CHECKS:							
2	PRO - 311	63.37	30.31	-	46.94	26.76	40.57	30.69
3	DECCAN - 103	-	-	-	-	-	-	-
4	BIO - 9681	34.30	27.74	9.29	49.13	19.78	72.77	32.92
5	GANGA - 11	-	-	-	2.89	0.70	14.49	-

GRAIN YIELD % SUPERIORITY OVER THE BIO - 9681

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	4.88	-	-	-	-	-	-
	CHECKS:							
2	PRO - 311	21.65	2.01	-	-	5.83	-	-
3	DECCAN - 103	-	-	-	-	-	-	-
4	BIO - 9681	-	-	-	-	-	-	-
5	GANGA - 11	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	43.47	9.74	21.81	19.56	12.52	26.04	21.14
	CHECKS:							
2	PRO - 311	66.40	35.76	9.03	42.81	25.88	22.78	33.28
3	DECCAN - 103	1.86	4.18	16.08	-	-	-	1.98
4	BIO - 9681	36.79	33.08	26.86	44.95	18.94	50.90	35.55
5	GANGA - 11	-	-	-	-	-	-	-

TABLE NO. 10 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	DAYS TO 50% SILKING HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	57.5	53.5	57.3	53.7	54.3	62.7	56.5	59.8	55.8	58.5	55.7	56.5	64.3	58.4
	CHECKS:														
2	PRO - 311	56.8	53.8	59.3	55.0	54.0	63.3	57.0	59.0	55.3	59.8	57.7	56.3	64.7	58.8
3	DECCAN - 103	57.0	53.0	56.8	51.0	53.8	62.0	55.6	59.0	55.0	58.0	55.0	56.5	64.0	57.9
4	BIO - 9681	56.0	52.5	56.0	53.3	55.3	61.7	55.8	58.5	54.3	57.5	55.0	58.5	63.7	57.9
5	GANGA - 11	59.0	53.8	59.3	54.0	52.3	63.0	56.9	61.0	55.5	62.8	57.3	54.5	64.7	59.3
	MEAN LOCA.	57.3	53.3	57.7	53.4	53.9	62.5	56.3	59.5	55.2	59.3	56.1	56.5	64.3	58.5
	C.D. AT 5%=	2.9	1.7	1.3	1.3	1.9	1.4	1.8	3.2	1.3	1.0	2.1	1.0	1.5	1.7
	C.V. % =	3.3	2.0	1.5	1.3	2.3	1.2	-	3.5	1.6	1.1	2.0	1.1	1.2	-
	F (Prob)	.296	.445	.000	.001	.063	.109	-	.495	.204	.000	.045	.000	.498	-

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	MOISTURE % AT HARVEST HYDE	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	95.8	92.8	101.3	98.5	96.3	96.9	25.8	27.5	20.7	16.0	16.5	21.3
	CHECKS:												
2	PRO - 311	94.5	90.5	99.0	98.3	96.7	95.8	26.8	30.0	19.8	16.1	17.0	21.9
3	DECCAN - 103	95.5	93.5	101.0	98.5	96.3	97.0	26.0	26.1	21.0	16.1	18.0	21.4
4	BIO - 9681	96.5	90.5	99.0	100.5	96.3	96.6	26.9	24.9	20.3	16.5	16.6	21.0
5	GANGA - 11	96.8	93.3	101.3	97.0	96.7	97.0	27.1	27.7	20.2	16.0	15.7	21.3
	MEAN LOCATION	95.8	92.1	100.3	98.6	96.5	96.7	26.5	27.2	20.4	16.2	16.8	21.4
	C.D. AT 5%=	3.9	2.2	2.7	1.2	1.5	2.3	2.2	1.2	1.1	0.5	0.5	1.1
	C.V. % =	2.6	1.6	1.4	0.8	0.8	-	5.5	2.8	3.0	2.1	1.5	-
	F (Prob)	.740	.022	.167	.001	.949	-	.640	.000	.259	.206	.000	-

TABLE NO. 10 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	EAR ASPECT * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	2.5	2.5	2.3	1.3	1.8	2.0	2.1	2.4	2.3	1.5	2.0	2.0	1.7	2.0
	CHECKS:														
2	PRO - 311	2.4	2.0	2.0	1.3	2.0	2.3	2.0	2.3	1.3	2.5	1.7	1.0	1.7	1.7
3	DECCAN - 103	2.4	3.0	2.3	1.7	2.0	2.3	2.3	2.3	2.8	2.3	2.3	2.5	2.0	2.3
4	BIO - 9681	2.5	2.0	2.3	1.3	1.8	2.0	2.0	2.3	1.5	2.0	2.0	2.8	1.7	2.0
5	GANGA - 11	2.3	2.8	2.5	2.3	2.3	2.5	2.4	2.3	2.3	2.5	2.3	2.3	1.8	2.2
	MEAN LOCATION	2.4	2.5	2.3	1.6	2.0	2.2	2.1	2.3	2.0	2.2	2.1	2.1	1.8	2.1
	C.D. AT 5%=	0.5	0.7	0.2	1.1	0.6	0.9	0.7	0.4	1.1	0.1	0.9	0.7	0.5	0.6
	C.V. % =	13.3	18.3	5.0	37.8	21.5	20.6	-	12.4	34.2	4.2	23.4	20.8	14.6	-
	F (Prob)	.785	.027	.001	.278	.445	.610	-	.956	.052	.000	.461	.001	.461	-

Sl No	PEDIGREE	HUSK COVER * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	UNIFORMITY * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	2.4	1.8	2.5	1.7	2.3	2.0	2.1	2.5	2.8	2.5	2.0	2.3	2.2	2.4
	CHECKS:														
2	PRO - 311	2.1	1.5	2.0	1.3	2.0	2.3	1.9	2.5	2.0	2.3	1.3	3.0	2.3	2.2
3	DECCAN - 103	2.4	2.3	2.5	1.7	2.5	2.3	2.3	2.6	3.0	2.3	1.7	2.3	2.5	2.4
4	BIO - 9681	2.3	1.3	3.0	1.3	2.3	1.7	2.0	2.6	2.5	2.8	2.3	3.0	1.7	2.5
5	GANGA - 11	2.3	1.8	3.0	2.0	2.8	2.3	2.3	2.4	3.3	2.5	2.0	2.0	2.5	2.4
	MEAN LOCATION	2.3	1.7	2.6	1.6	2.3	2.1	2.1	2.5	2.7	2.5	1.9	2.5	2.2	2.4
	C.D. AT 5%=	0.3	0.6	0.3	1.0	0.9	0.5	0.6	0.5	0.5	0.4	0.7	0.7	0.3	0.5
	C.V. % =	8.3	22.8	7.0	33.3	24.3	12.1	-	12.7	13.1	10.9	19.6	18.3	8.2	-
	F (Prob)	.347	.036	.000	.545	.445	.045	-	.785	.003	.101	.073	.024	.003	-

TABLE NO. 10 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) KARI	MAND	COIM	KOLH	ZN 4 MEAN	EAR HEIGHT (cm) KARI	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	169	180	175	155	170	66	87	91	70	78
	CHECKS:										
2	PRO - 311	166	192	166	133	164	72	93	79	62	76
3	DECCAN - 103	163	184	174	153	168	63	90	88	67	77
4	BIO - 9681	176	198	188	150	178	67	90	84	65	76
5	GANGA - 11	169	179	172	150	167	66	78	88	62	74
	MEAN LOCATION	168	187	175	148	170	67	88	86	65	76
	C.D. AT 5%=	11.0	16.6	11.6	22.2	15.4	6.7	18.4	6.8	16.0	12.0
	C.V. % =	4.2	4.7	4.3	7.9	-	6.5	11.1	5.1	13.1	-
	F (Prob)	.193	.111	.014	.260	-	.169	.474	.024	.726	-

Sl No	PEDIGREE	EAR NO./PLANT HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	STAND AT HARVEST HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	BIO - 92327	1.13	0.99	1.00	1.00	0.88	1.00	40	83	83	78	76	81	73
	CHECKS:													
2	PRO - 311	1.03	1.01	0.99	1.00	0.88	0.98	36	85	85	77	75	73	72
3	DECCAN - 103	1.03	1.01	0.98	1.00	0.68	0.94	57	85	86	77	76	74	76
4	BIO - 9681	1.08	0.99	1.00	1.00	0.93	1.00	49	82	85	81	76	68	73
5	GANGA - 11	1.03	0.98	0.98	1.00	0.74	0.95	54	84	74	80	76	80	75
	MEAN LOCATION	1.06	1.00	0.99	1.00	0.82	0.97	47	84	82	78	75	75	74
	C.D. AT 5%=	0.1	0.1	0.1	0.0	0.2	0.1	10.1	5.8	9.9	6.0	1.0	14.1	7.8
	C.V. % =	5.9	4.1	3.0	0.4	15.6	-	13.9	4.5	7.8	4.0	0.8	10.0	-
	F (Prob)	.170	.867	.843	.611	.162	-	.003	.728	.140	.391	.968	.279	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 11

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR65_ZONE 5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5		GRAIN YIELD % SUPERIORITY OVER THE PRO - 311				ZN 5
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R	UDAI	BANS	GODH	CHHI	MEAN
1	F - 2784	2310	11	6363	3	3385	2	2896	10	3739	9	-	22.44	20.11	-	-
2	X - 2006	6622	1	4595	9	3210	3	3834	1	4565	2	13.69	-	13.89	19.42	7.10
3	BISCO - 851	4808	7	5665	5	2915	8	3677	2	4266	4	-	9.01	3.42	14.53	0.08
4	PAC 70005	3541	10	4810	8	3146	5	3433	5	3732	10	-	-	11.60	6.92	-
5	NECH - 110	5922	2	6176	4	2587	11	3295	6	4495	3	1.67	18.83	-	2.62	5.45
6	BIO - 92327	5147	4	7062	1	3207	4	3569	3	4746	1	-	35.88	13.77	11.16	11.34
7	JKMH - 370	4477	8	5245	6	3024	7	3261	7	4002	7	-	0.93	7.28	1.58	-
8	F - 1550	2256	12	6527	2	2821	9	2320	12	3481	11	-	25.59	0.09	-	-
	CHECKS:															
9	PRO - 311	5825	3	5197	7	2819	10	3211	8	4263	5	-	-	-	-	-
10	DECCAN - 103	5020	5	4224	11	3116	6	2915	9	3819	8	-	-	10.56	-	-
11	BIO - 9681	5017	6	4457	10	3412	1	3512	4	4099	6	-	-	21.06	9.39	-
12	GANGA - 11	4440	9	3724	12	2557	12	2712	11	3358	12	-	-	-	-	-
	MEAN YIELD=	4615		5337		3017		3220		4047						
	MEAN STAND	76		71		62		43		63						
	C.D. AT 5%=	403		721		771		700		649						
	C.V. % =	6.09		9.41		17.81		15.15		-						
	F (Prob)	.000		.000		.301		.298								
	PLOT SIZE=	12.00		12.00		12.00		12.00		-						
	AGRONOMY DATA:															
	SOW. DATE(2002)	3-07		25-06		5-07		29-06		-						
	HARV. DATE(2002)	3-10		23-10		9-10		18-10		-						
	IRRIGATION Nos	2		-		-		-		-						
	FERTILIZER APP.N	-		80		100		120		-						
	P	-		60		50		60		-						
	K	-		-		-		40		-						

TABLE NO. 11 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD - 103 DECCAN UDAI	BANS	% SUPERIORITY OVER THE ZN 5 MEAN GODH	CHHI	BIO - 9681 UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	-	50.64	8.63	-	-	-	42.78	-	-	-
2	X - 2006	31.92	8.78	3.01	31.53	19.55	32.00	3.10	-	9.17	11.36
3	BISCO - 851	-	34.12	-	26.15	11.72	-	27.12	-	4.70	4.07
4	PAC 70005	-	13.87	0.94	17.77	-	-	7.93	-	-	-
5	NECH - 110	17.98	46.21	-	13.03	17.71	18.05	38.58	-	-	9.65
6	BIO - 92327	2.54	67.18	2.90	22.44	24.29	2.60	58.46	-	1.62	15.78
7	JKMH - 370	-	24.18	-	11.89	4.80	-	17.70	-	-	-
8	F - 1550	-	54.52	-	-	-	-	46.46	-	-	-
	CHECKS:										
9	PRO - 311	16.04	23.04	-	10.15	11.63	16.11	16.61	-	-	3.99
10	DECCAN - 103	-	-	-	-	-	0.06	-	-	-	-
11	BIO - 9681	-	5.51	9.49	20.49	7.35	-	-	-	-	-
12	GANGA - 11	-	-	-	-	-	-	-	-	-	-

Sl No	PEDIGREE	GRAIN YIELD GANGA - 11 UDAI	BANS	% SUPERIORITY OVER THE ZN 5 GODH	CHHI	MEAN	DAYS TO 50 % POLLEN SHED UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	-	70.87	32.40	6.77	11.33	58.8	55.3	57.3	59.8	57.8
2	X - 2006	49.17	23.39	25.54	41.36	35.95	55.5	54.3	56.5	54.8	55.3
3	BISCO - 851	8.30	52.14	14.00	35.58	27.05	58.0	52.8	56.5	59.3	56.6
4	PAC 70005	-	29.16	23.02	26.57	11.14	54.8	54.3	59.5	59.5	57.0
5	NECH - 110	33.40	65.84	1.18	21.48	33.85	56.8	52.5	57.5	59.5	56.6
6	BIO - 92327	15.94	89.63	25.41	31.58	41.33	54.5	52.5	53.5	56.3	54.2
7	JKMH - 370	0.85	40.86	18.26	20.25	19.17	56.5	51.5	58.5	57.5	56.0
8	F - 1550	-	75.27	10.34	-	3.66	57.3	51.0	57.5	58.3	56.0
	CHECKS:										
9	PRO - 311	31.21	39.56	10.23	18.38	26.94	56.0	54.0	53.5	58.0	55.4
10	DECCAN - 103	13.07	13.43	21.88	7.47	13.72	53.8	51.5	55.5	55.3	54.0
11	BIO - 9681	13.00	19.67	33.45	29.49	22.07	54.0	54.0	53.5	54.8	54.1
12	GANGA - 11	-	-	-	-	-	56.8	52.0	58.5	57.5	56.2
	MEAN LOCATION	-	-	-	-	-	56.0	53.0	56.5	57.5	55.8
	C.D. AT 5%=	-	-	-	-	-	1.3	1.4	0.6	1.9	1.3
	C.V. % =	-	-	-	-	-	1.6	1.9	0.8	2.3	-
	F (Prob)	-	-	-	-	-	.000	.000	.000	.000	-

TABLE NO. 11 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING UDAI	BANS	GODH	CHHI	ZN 5 MEAN	DAYS TO 50 % DRY HUSK UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	60.0	59.0	63.5	61.5	61.0	84.8	94.3	82.5	92.0	88.4
2	X - 2006	58.0	58.0	62.5	57.5	59.0	85.3	93.8	80.5	89.5	87.3
3	BISCO - 851	59.5	56.5	62.5	59.5	59.5	85.3	93.3	80.5	90.5	87.4
4	PAC 70005	56.3	58.0	63.5	61.3	59.8	82.8	92.8	81.5	89.5	86.6
5	NECH - 110	58.5	56.8	62.5	61.5	59.8	86.5	91.5	80.5	89.5	87.0
6	BIO - 92327	55.8	56.8	58.5	56.8	56.9	85.3	96.0	78.0	90.5	87.4
7	JKMH - 370	58.8	55.3	62.5	58.3	58.7	85.5	93.0	80.3	88.5	86.8
8	F - 1550	59.5	55.0	62.5	59.3	59.1	84.5	92.0	80.5	93.0	87.5
	CHECKS:										
9	PRO - 311	57.5	57.5	57.5	58.3	57.7	84.8	94.8	78.5	89.0	86.8
10	DECCAN - 103	55.5	55.5	61.5	57.3	57.4	84.5	92.8	80.5	91.5	87.3
11	BIO - 9681	55.0	58.0	57.5	55.8	56.6	84.5	97.0	78.5	87.5	86.9
12	GANGA - 11	59.3	56.0	63.5	60.0	59.7	84.0	94.0	81.3	90.0	87.3
	MEAN LOCATION	57.8	56.9	61.5	58.9	58.8	84.8	93.8	80.3	90.1	87.2
	C.D. AT 5%=	1.0	1.6	0.6	1.8	1.2	1.0	3.0	0.5	1.1	1.4
	C.V. % =	1.2	2.0	0.7	2.1	-	0.8	2.3	0.5	0.8	-
	F (Prob)	.000	.000	.000	.000	-	.000	.033	.000	.000	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN	PLANT ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	19.1	16.8	16.1	18.8	17.7	2.8	1.9	2.6	1.3	2.1
2	X - 2006	18.9	16.5	17.0	18.0	17.6	1.8	2.4	2.3	1.5	2.0
3	BISCO - 851	18.2	16.9	14.8	18.5	17.1	1.9	2.0	3.3	1.0	2.0
4	PAC 70005	16.0	16.5	17.8	19.8	17.5	2.3	2.0	2.5	1.0	2.0
5	NECH - 110	16.1	16.9	19.0	19.6	17.9	1.5	1.8	2.8	1.0	1.8
6	BIO - 92327	15.9	17.0	16.8	18.9	17.1	1.7	2.3	2.8	1.0	1.9
7	JKMH - 370	17.7	16.7	15.8	18.5	17.2	1.9	2.1	2.8	1.3	2.0
8	F - 1550	15.3	16.6	18.3	19.9	17.5	3.1	1.8	2.8	1.3	2.2
	CHECKS:										
9	PRO - 311	18.5	16.6	16.5	18.5	17.5	1.9	2.3	2.8	1.0	2.0
10	DECCAN - 103	15.0	16.6	18.8	18.3	17.2	2.0	2.1	3.0	1.3	2.1
11	BIO - 9681	18.4	16.8	20.5	17.2	18.2	2.3	2.5	3.0	1.0	2.2
12	GANGA - 11	16.9	16.3	19.8	18.5	17.9	2.5	2.5	2.3	1.3	2.1
	MEAN LOCATION	17.2	16.7	17.6	18.7	17.5	2.2	2.1	2.7	1.1	2.0
	C.D. AT 5%=	0.2	0.8	0.6	0.7	0.6	0.4	0.4	0.4	0.2	0.3
	C.V. % =	0.6	3.4	2.5	2.5	-	13.4	13.3	9.3	11.9	-
	F (Prob)	.000	.857	.000	.000	-	.000	.003	.000	.000	-

TABLE NO. 11 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	HUSK COVER * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	3.3	1.9	2.9	1.5	2.4	1.9	1.9	2.3	1.3	1.8
2	X - 2006	2.5	2.3	2.6	1.0	2.1	1.8	2.5	2.1	1.3	1.9
3	BISCO - 851	2.2	2.1	3.3	1.5	2.3	1.7	2.1	2.6	1.0	1.9
4	PAC 70005	3.1	2.0	3.0	1.3	2.3	1.9	2.1	2.3	1.0	1.8
5	NECH - 110	2.5	1.8	3.5	1.3	2.2	1.6	1.9	2.3	1.0	1.7
6	BIO - 92327	2.2	2.1	2.8	1.0	2.0	1.9	2.3	1.8	1.3	1.8
7	JKMH - 370	2.0	1.9	3.1	1.5	2.1	1.5	2.0	2.3	1.3	1.8
8	F - 1550	3.4	1.8	3.1	1.8	2.5	2.1	2.0	2.3	1.5	2.0
	CHECKS:										
9	PRO - 311	2.5	2.4	3.6	1.5	2.5	1.8	2.4	2.0	1.0	1.8
10	DECCAN - 103	2.9	2.1	3.6	2.0	2.7	1.9	2.1	2.8	1.3	2.0
11	BIO - 9681	2.5	2.1	3.1	1.5	2.3	1.9	2.4	2.3	1.0	1.9
12	GANGA - 11	2.6	2.3	3.3	2.0	2.5	2.5	2.4	2.1	1.5	2.1
	MEAN LOCATION	2.6	2.1	3.2	1.5	2.3	1.9	2.2	2.2	1.2	1.9
	C.D. AT 5%=	0.6	0.5	0.6	0.2	0.5	0.3	0.5	0.4	0.2	0.3
	C.V. % =	15.4	16.7	13.5	7.1	-	9.6	16.2	11.0	10.7	-
	F (Prob)	.000	.220	.035	.000	-	.000	.215	.000	.000	-

Sl No	PEDIGREE	UNIFORMITY * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F - 2784	2.6	1.9	2.3	1.0	1.9	228	189	164	164	186
2	X - 2006	1.8	2.4	2.3	1.0	1.9	223	176	186	159	186
3	BISCO - 851	2.0	2.1	2.8	1.0	2.0	228	189	145	154	179
4	PAC 70005	2.1	2.0	2.3	1.0	1.8	240	189	168	166	191
5	NECH - 110	1.7	2.0	2.0	1.0	1.7	240	176	185	163	191
6	BIO - 92327	2.1	2.1	2.3	1.3	1.9	270	181	183	163	199
7	JKMH - 370	1.9	2.1	2.8	1.3	2.0	224	165	155	145	172
8	F - 1550	2.5	1.9	2.3	1.0	1.9	230	174	154	158	179
	CHECKS:										
9	PRO - 311	1.9	2.1	2.5	1.0	1.9	233	190	163	150	184
10	DECCAN - 103	2.0	2.1	2.8	1.0	2.0	229	156	175	164	181
11	BIO - 9681	1.8	2.1	2.8	1.0	1.9	241	165	155	154	179
12	GANGA - 11	2.4	2.3	2.3	1.3	2.0	250	166	183	161	190
	MEAN LOCATION	2.1	2.1	2.4	1.1	1.9	236	176	168	158	185
	C.D. AT 5%=	0.3	0.5	0.4	0.2	0.3	22.6	9.6	7.4	14.7	13.6
	C.V. % =	9.4	15.6	11.1	9.9	-	6.7	3.8	3.1	6.5	-
	F (Prob)	.000	.673	.001	.000	-	.008	.000	.000	.151	-

TABLE NO. 11 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR NO. /PLANT UDAI	BANS	GODH	ZN 5 MEAN
1	F - 2784	96	101	55	71	81	1.00	0.94	0.98	0.97
2	X - 2006	83	91	86	69	82	1.00	0.99	0.91	0.97
3	BISCO - 851	103	100	70	73	86	1.01	0.92	0.91	0.94
4	PAC 70005	113	100	88	74	93	0.99	0.95	0.83	0.93
5	NECH - 110	110	95	88	68	90	1.03	0.99	0.80	0.94
6	BIO - 92327	114	81	85	70	88	1.00	0.93	1.08	1.00
7	JKMH - 370	94	79	75	69	79	1.00	0.97	0.92	0.96
8	F - 1550	101	84	78	76	85	0.98	0.98	0.83	0.93
	CHECKS:									
9	PRO - 311	100	94	81	75	88	1.01	1.04	0.79	0.95
10	DECCAN - 103	89	54	78	78	74	1.00	0.99	0.83	0.94
11	BIO - 9681	93	70	69	65	74	0.99	1.00	0.75	0.91
12	GANGA - 11	111	64	98	78	88	1.01	0.96	0.74	0.90
	MEAN LOCATION	100	84	79	72	84	-	-	-	-
	C.D. AT 5%=	15.5	11.3	6.2	13.1	11.5	-	-	-	-
	C.V. % =	10.7	9.3	5.4	12.7	-	-	-	-	-
	F (Prob)	.002	.000	.000	.628	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	F - 2784	77	76	68	47	67	67
2	X - 2006	81	65	54	44	61	61
3	BISCO - 851	79	68	63	41	63	63
4	PAC 70005	73	70	69	43	63	63
5	NECH - 110	72	88	65	46	68	68
6	BIO - 92327	70	70	54	37	58	58
7	JKMH - 370	80	66	71	44	65	65
8	F - 1550	77	66	61	51	64	64
	CHECKS:						
9	PRO - 311	71	72	60	40	61	61
10	DECCAN - 103	76	68	62	42	62	62
11	BIO - 9681	79	74	64	40	64	64
12	GANGA - 11	73	70	60	45	62	62
	MEAN LOCATION	76	71	62	43	63	63
	C.D. AT 5%=	6.3	8.4	12.7	8.0	8.9	-
	C.V. % =	5.8	8.2	14.1	12.9	-	-
	F (Prob)	.012	.000	.190	.107	-	

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 12

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, KANGRA, IN AET 1st YEAR TRIAL No. TR66_ZONE 1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE BAJA	R	KANG	R	ZN 1 MEAN	R	GRAIN YIELD NAVJOT BAJA	KANG	% SUPERIORITY OVER THE ZN 1 MEAN	DECCAN - 107 BAJA	KANG	ZN 1 MEAN
1	EC - 3116	5363	9	5495	11	5429	12	46.04	-	-	31.17	-	2.06
2	L - 173	3249	18	4011	18	3630	18	-	-	-	-	-	-
3	HKH - 1191	4411	13	6927	7	5669	8	20.11	-	1.63	7.88	5.75	6.57
4	U M H - 1	4662	12	4963	14	4812	16	26.94	-	-	14.01	-	-
5	KAVERI - 235	5948	5	5320	12	5634	9	61.97	-	1.01	45.47	-	5.91
6	BISCO - 3123	6576	2	6851	8	6714	3	79.08	-	20.36	60.84	4.59	26.21
7	P R O - 349	5184	10	6978	6	6081	6	41.16	-	9.02	26.78	6.53	14.32
8	NECH - 112	4834	11	7499	3	6166	5	31.63	0.21	10.55	18.22	14.49	15.92
9	NECH - 113	6347	3	7435	5	6891	1	72.84	-	23.54	55.24	13.50	29.55
10	X - 2003	5864	6	7797	1	6830	2	59.67	4.19	22.45	43.41	19.03	28.40
11	P M Z - 131	6656	1	4796	15	5726	7	81.26	-	2.66	62.80	-	7.65
12	BIO - 93218	4018	15	4229	17	4124	17	9.43	-	-	-	-	-
13	JKMH - 1080	6224	4	4746	16	5485	11	69.49	-	-	52.23	-	3.12
14	AAMH - 204	5495	8	7512	2	6504	4	49.65	0.38	16.60	34.41	14.69	22.26
15	AAMH - 206	3909	16	6784	9	5347	14	6.45	-	-	-	3.57	0.51
	CHECKS:												
16	NAVJOT	3672	17	7483	4	5578	10	-	-	-	-	14.25	4.86
17	DECCAN - 107	4089	14	6550	10	5319	15	11.34	-	-	-	-	-
18	KH 510	5677	7	5117	13	5397	13	54.60	-	-	38.86	-	1.47
	MEAN YIELD=	5121		6139		5630							
	MEAN STAND	58		47		53							
	C.D. AT 5%=	737		1160		948							
	C.V. % =	8.68		11.40		-							
	F (Prob)	.000		.000									
	PLOT SIZE=	9.60		7.20		-							
	AGRONOMY DATA:												
	SOW. DATE(2002)	11-07		1-07		-							
	HARV. DATE(2002)	14-11		16-10		-							
	IRRIGATION Nos	2		-		-							
	FERTILIZER APP.N	120		80		-							
	P	60		60		-							
	K	40		40		-							

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 53.2%

TABLE NO. 12 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 BAJA	KANG	ZN 1 MEAN	DAYS TO 50 % POLLEN SHED BAJA	KANG	ZN 1 MEAN	DAYS TO 50 % SILKING BAJA	KANG	ZN 1 MEAN	50% DRY HUSK BAJA
1	EC - 3116	-	7.39	0.59	62.3	49.0	55.7	65.0	53.0	59.0	112.7
2	L - 173	-	-	-	64.3	48.3	56.3	66.7	51.7	59.2	105.7
3	HKH - 1191	-	35.37	5.03	67.3	47.3	57.3	69.3	51.7	60.5	115.3
4	U M H - 1	-	-	-	68.3	51.3	59.8	70.7	54.7	62.7	120.7
5	KAVERI - 235	4.76	3.96	4.38	60.3	49.7	55.0	63.3	52.3	57.8	113.7
6	BISCO - 3123	15.83	33.88	24.39	65.0	48.0	56.5	67.3	49.7	58.5	114.3
7	P R O - 349	-	36.36	12.66	61.0	49.0	55.0	64.0	53.0	58.5	112.3
8	NECH - 112	-	46.55	14.25	65.3	49.0	57.2	67.3	51.3	59.3	112.7
9	NECH - 113	11.80	45.28	27.67	59.7	47.0	53.3	61.7	50.0	55.8	121.0
10	X - 2003	3.28	52.36	26.55	62.3	50.3	56.3	64.7	54.7	59.7	110.0
11	P M Z - 131	17.24	-	6.10	63.3	48.7	56.0	65.3	51.3	58.3	112.7
12	BIO - 92218	-	-	-	64.7	51.3	58.0	67.0	56.0	61.5	108.0
13	JKMH - 1050	9.63	-	1.63	58.7	45.7	52.2	62.0	52.0	57.0	105.0
14	AAMH - 204	-	46.80	20.50	63.7	45.7	54.7	66.0	50.7	58.3	116.3
15	AAMH - 206	-	32.57	-	65.7	47.7	56.7	67.7	51.0	59.3	110.0
	CHECKS:										
16	NAVJOT	-	46.24	3.34	59.7	49.3	54.5	63.3	54.0	58.7	110.7
17	DECCAN - 107	-	28.00	-	66.7	48.7	57.7	68.7	52.0	60.3	109.7
18	KH 510	-	-	-	61.7	49.0	55.3	64.7	51.7	58.2	110.7
	MEAN LOCATION	-	-	-	63.3	48.6	56.0	65.8	52.3	59.0	112.3
	C.D. AT 5%=	-	-	-	3.1	2.3	2.7	2.9	3.0	2.9	7.0
	C.V. % =	-	-	-	2.9	2.9	-	2.7	3.5	-	3.8
	F (Prob)	-	-	-	.000	.000	-	.000	.008	-	.002

TABLE NO. 12 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST BAJA	KANG	ZN 1 MEAN	PLANT ASPECT * BAJA	KANG	ZN 1 MEAN	EAR ASPECT * BAJA	KANG	ZN 1 MEAN	HUSK COV.* BAJA	UNIF. * BAJA
1	EC - 3116	33.9	24.5	29.2	2.5	5.0	3.8	2.5	3.3	2.9	2.3	2.2
2	L - 173	32.4	23.9	28.1	2.5	3.0	2.8	3.0	4.3	3.7	2.5	2.5
3	HKH - 1191	26.0	23.8	24.9	2.3	4.0	3.2	2.5	1.3	1.9	2.5	2.3
4	U M H - 1	35.5	23.3	29.4	2.3	2.3	2.3	2.5	4.0	3.3	2.3	2.0
5	KAVERI - 235	35.6	23.4	29.5	2.5	3.0	2.8	2.3	3.3	2.8	2.2	2.2
6	BISCO - 3123	33.9	24.3	29.1	2.5	2.3	2.4	2.2	1.7	1.9	2.2	2.2
7	P R O - 349	27.3	23.6	25.5	2.7	4.0	3.3	2.8	1.3	2.1	2.3	2.3
8	NECH - 112	29.3	22.5	25.9	2.7	4.3	3.5	2.5	1.3	1.9	2.3	2.3
9	NECH - 113	29.4	23.0	26.2	2.5	4.0	3.3	2.5	1.0	1.8	2.0	2.2
10	X - 2003	32.0	21.9	26.9	2.5	3.3	2.9	2.0	1.0	1.5	2.2	2.2
11	P M Z - 131	30.3	24.0	27.1	2.5	3.0	2.8	2.3	4.0	3.2	2.2	2.2
12	BIO - 92318	30.1	22.2	26.2	2.5	2.0	2.3	3.0	4.3	3.7	2.3	2.3
13	JKMH - 1080	30.3	21.3	25.8	2.5	1.7	2.1	2.3	4.3	3.3	2.2	2.2
14	AAMH - 204	28.9	22.4	25.7	2.5	2.3	2.4	2.5	1.7	2.1	2.7	2.5
15	AAMH - 206	29.3	24.9	27.1	2.5	2.3	2.4	2.5	2.3	2.4	2.3	2.3
	CHECKS:											
16	NAVJOT	28.7	24.3	26.5	2.5	3.0	2.8	3.0	1.3	2.2	2.3	2.3
17	DECCAN - 107	29.7	23.8	26.8	2.7	2.7	2.7	2.5	1.7	2.1	2.5	2.3
18	KH 510	31.9	23.4	27.6	2.5	3.0	2.8	2.5	3.3	2.9	2.2	2.2
	MEAN LOCATION	30.8	23.4	27.1	2.5	3.1	2.8	2.5	2.5	2.5	2.3	2.3
	C.D. AT 5%=	2.2	1.9	2.0	0.2	1.6	0.9	0.2	1.0	0.6	0.4	0.4
	C.V. % =	4.4	4.8	-	6.0	31.3	-	5.9	24.2	-	10.4	11.6
	F (Prob)	.000	.022	-	.416	.009	-	.000	.000	-	.199	.742

TABLE NO. 12 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) BAJA	KANG	ZN 1 MEAN	EAR HEIGHT (cm) BAJA	KANG	ZN 1 MEAN	H.turc. * BAJA	H.may. * BAJA	EAR NO. /PLANT KANG	STAND AT HARVEST BAJA	KANG	ZN 1 MEAN
1	EC - 3116	177	263	220	76	151	114	1.5	1.0	1.03	58	41	50
2	L - 173	160	246	203	68	117	93	2.2	1.0	1.08	58	47	53
3	HKH - 1191	168	251	210	75	127	101	2.0	1.5	0.99	54	49	52
4	U M H - 3	163	260	212	70	109	90	2.8	1.2	1.10	53	45	49
5	KAVERI - 235	197	265	231	86	114	100	1.8	1.0	1.06	60	47	54
6	BISCO - 3123	188	263	226	94	110	102	1.8	1.3	1.05	58	49	53
7	P R O - 349	180	273	227	90	121	106	1.8	1.0	1.02	57	55	56
8	NECH - 112	164	257	211	68	125	96	2.2	1.3	1.00	56	50	53
9	NECH - 113	196	264	230	93	125	109	2.0	1.5	1.07	59	53	56
10	X - 2003	174	225	200	82	119	101	1.8	1.0	1.02	61	51	56
11	P M Z - 131	181	250	215	76	115	96	2.2	1.3	1.03	59	43	51
12	BIO - 92218	166	280	223	68	107	88	1.8	1.2	1.01	59	47	53
13	JKMH - 1080	161	262	211	73	103	88	2.2	1.0	1.01	65	44	54
14	AAMH - 204	194	269	232	87	110	98	2.0	1.2	1.04	55	47	51
15	AAMH - 206	173	267	220	70	108	89	2.2	1.8	1.04	61	39	50
	CHECKS:												
16	NAVJOT	174	277	226	76	114	95	2.8	1.3	1.08	59	48	54
17	DECCAN - 107	186	264	225	75	106	91	2.2	1.0	1.03	58	46	52
18	KH 510	184	264	224	81	116	98	1.5	1.0	1.05	59	50	55
	MEAN LOCATION	177	261	219	78	117	97	2.0	1.2	-	58	47	53
	C.D. AT 5%=	15.2	18.9	17.0	15.6	17.2	16.4	0.5	0.4	-	3.4	9.5	6.5
	C.V. % =	5.2	4.4	-	12.0	8.9	-	14.9	21.7	-	3.6	12.1	-
	F (Prob)	.000	.001	-	.011	.001	-	.000	.011	-	.000	.157	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 13

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT DELHI, LUDHIANA, KARNAL, PANTNAGAR IN AET 1st YEAR, TRIAL No. TR66_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 2	
		DELH	R	LUDH	R	KARN	R	PANT	R	MEAN	R
1	L - 173	5062	10	5791	10	3840	11	4216	9	4727	11
2	BC - 3116	3714	14	5422	13	4961	3	3467	12	4391	12
3	HKH - 1206	5622	5	5575	12	4999	2	3311	13	4877	10
4	KAVERI - 235	5230	8	7300	7	4408	5	5474	4	5603	6
5	PAC 70004	6344	2	8741	2	4300	6	4014	10	5850	4
6	MECH - 113	5085	9	8558	3	3887	10	5286	5	5704	5
7	X - 2003	5616	6	9215	1	5259	1	6121	2	6553	2
8	PAC 70003	5239	7	7756	6	3837	12	4832	8	5416	8
9	JKMH - 1080	5010	11	7261	8	4170	7	5683	3	5531	7
10	SEEDTEC - 6234	6835	1	8223	4	4107	8	7117	1	6571	1
11	BIO 9681 (FILLER)	6029	3	8019	5	4597	4	5105	6	5937	3
	CHECKS:										
12	NAVJOT	4350	12	5747	11	3577	13	3149	14	4206	14
13	DECCAN - 107	4311	13	5404	14	3231	14	3932	11	4220	13
14	KH 510	5919	4	6640	9	3956	9	4975	7	5372	9
	MEAN YIELD=	5312		7118		4224		4763		5354	
	MEAN STAND	77		75		51		72		69	
	C.D. AT 5%=	1326		1029		613		986		988	
	C.V. % =	14.90		10.12		8.67		14.49		-	
	F (Prob)	.000		.000		.000		.000			
	PLOT SIZE=	15.00		10.40		7.80		15.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	4-07		17-07		27-06		28-06		-	
	HARVEST DATE(2002)	16-10		12-10		23-09		7-10		-	
	IRRIGATION Nos	-		8		3		2		-	
	FERTILIZER APPLIED N	120		125		150		120		-	
	P	80		60		60		60		-	
	K	60		30		60		-		-	

TABLE NO. 13 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT DELH	LUDH	KARN	PANT	ZN 2 MEAN	DECCAN - 107 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	L - 173	16.36	0.76	7.35	33.89	12.40	17.43	7.15	18.84	7.22	12.03
2	EC - 3116	-	-	38.70	10.09	4.41	-	0.32	53.55	-	4.06
3	HKH - 1206	29.24	-	39.74	5.15	15.95	30.43	3.15	54.71	-	15.57
4	KAVERI - 235	20.22	27.03	23.22	73.82	33.22	21.32	35.08	36.41	39.20	32.78
5	PAC 70004	45.84	52.10	20.21	27.46	39.09	47.18	61.75	33.09	2.07	38.64
6	NECH - 113	16.91	48.91	8.66	67.88	35.63	17.98	58.35	20.30	34.44	35.18
7	X - 2003	29.10	60.35	47.02	94.39	55.81	30.29	70.52	62.77	55.67	55.30
8	PAC 70003	20.43	34.97	7.28	53.45	28.78	21.53	43.52	18.76	22.89	28.36
9	JKMH - 1080	15.17	26.34	16.58	80.46	31.51	16.23	34.35	29.06	44.52	31.08
10	SEEDTEC - 6234	57.13	43.08	14.82	126.02	56.23	58.57	52.15	27.11	81.00	55.72
11	BIO 9681 (FILLER)	38.59	39.54	28.51	62.12	41.17	39.86	48.39	42.27	29.82	40.71
	CHECKS:										
12	NAVJOT	-	-	-	-	-	0.92	6.34	10.71	-	-
13	DECCAN - 107	-	-	-	24.87	0.33	-	-	-	-	-
14	KH 510	36.07	15.53	10.60	57.98	27.74	37.32	22.86	22.44	26.52	27.32

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH 510 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	L - 173	-	-	-	-	-
2	EC - 3116	-	-	25.41	-	-
3	HKH - 1206	-	-	26.35	-	-
4	KAVERI - 235	-	9.95	11.41	10.03	4.29
5	PAC 70004	7.18	31.65	8.69	-	8.88
6	NECH - 113	-	28.89	-	6.26	6.17
7	X - 2003	-	38.80	32.93	23.05	21.97
8	PAC 70003	-	16.82	-	-	0.81
9	JKMH - 1080	-	9.35	5.41	14.23	2.95
10	SEEDTEC - 6234	15.47	23.84	3.81	43.06	22.30
11	BIO 9681 (FILLER)	1.85	20.78	16.19	2.62	10.52
	CHECKS:					
12	NAVJOT	-	-	-	-	-
13	DECCAN - 107	-	-	-	-	-
14	KH 510	-	-	-	-	-

TABLE NO. 13 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED DELH	LUDH	KARN	ZN 2 MEAN	DAYS TO 50 % SILKING DELH	LUDH	KARN	PANT	ZN 2 MEAN	DRY HUSK LUDH
1	L - 173	49.7	48.0	48.7	48.8	53.7	50.3	50.7	58.8	53.3	86.5
2	EC - 3136	46.0	46.8	47.7	46.8	50.0	50.8	51.0	58.3	52.5	84.5
3	HKH - 1206	46.7	46.0	48.3	47.0	49.0	47.8	50.3	58.0	51.3	85.5
4	KAVERI - 235	49.0	47.3	49.3	48.5	52.3	49.0	51.7	58.5	52.9	84.5
5	PAC 70004	49.0	49.3	51.3	49.9	52.3	50.5	53.3	61.3	54.4	87.3
6	NECH - 713	49.3	50.3	52.0	50.5	55.7	52.5	54.3	64.0	56.6	87.3
7	X - 2004	50.0	49.5	49.0	49.5	54.7	51.8	52.0	58.8	54.3	85.8
8	PAC 70003	49.3	50.5	52.7	50.8	53.0	52.8	55.0	60.8	55.4	88.0
9	JKMH - 1080	46.7	47.0	47.3	47.0	53.3	48.5	50.0	58.5	52.6	85.3
10	SEEDTEC - 6234	50.3	50.5	51.7	50.8	54.3	53.3	54.0	59.3	55.2	89.8
11	BIO 9681 (FILLER)	47.3	50.3	48.0	48.5	50.3	49.5	50.0	57.5	51.8	84.3
	CHECKS:										
12	NAVJOT	44.0	45.8	47.0	45.6	47.3	47.5	49.7	59.3	50.9	84.3
13	DECCAN - 107	51.0	49.8	51.3	50.7	57.3	52.3	54.0	59.0	55.6	87.3
14	KH 510	48.0	47.8	48.7	48.1	52.0	50.5	51.0	58.3	52.9	85.8
	MEAN LOCATION	48.3	48.5	49.5	48.8	52.5	50.5	51.9	59.3	53.6	86.1
	C.D. AT 5%=	4.0	2.6	1.7	2.8	4.8	3.1	1.8	1.9	2.9	1.1
	C.V. % =	4.9	3.8	2.0	-	5.5	4.3	2.1	2.2	-	0.9
	F (Prob)	.059	.001	.000	-	.017	.005	.000	.000	-	.000

TABLE NO. 13 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST				ZN 2 MEAN	PLANT ASP.*	EAR ASP.*	PLANT HEIGHT (cm)				ZN 2 MEAN
		DELH	LUDH	KARN	PANT		DELH	DELH	DELH	LUDH	KARN	PANT	
1	L - 173	25.7	23.4	14.9	28.7	23.2	2.5	2.2	198	193	190	207	197
2	EC - 3116	27.1	22.2	13.9	29.9	23.3	2.5	2.5	220	194	200	226	210
3	HKH - 1206	23.8	22.5	14.4	28.3	22.3	2.3	2.0	190	171	160	182	176
4	KAVERI - 235	26.8	22.6	14.6	28.8	23.2	2.5	2.2	223	194	205	218	210
5	PAC 70004	30.6	24.3	14.4	34.3	25.9	2.0	1.7	230	201	202	209	210
6	NECH - 113	31.6	24.3	14.9	36.6	26.9	2.3	1.8	218	196	180	212	201
7	X - 2003	32.7	23.0	14.9	32.1	25.7	2.0	2.0	203	196	190	212	200
8	PAC 70003	29.5	23.2	15.0	34.1	25.4	2.3	1.5	203	199	185	200	197
9	JKMH - 1080	31.3	22.6	14.3	33.6	25.4	2.5	1.8	210	180	160	206	189
10	SEEDTEC - 6234	30.0	24.6	15.0	25.8	23.9	2.3	1.5	208	186	203	199	199
11	BIO 9681(FILLER)	26.6	22.5	15.0	30.8	23.7	2.3	1.7	233	194	203	213	211
	CHECKS:												
12	NAVJOT	27.2	22.5	13.9	31.8	23.8	2.5	2.3	225	195	193	194	202
13	DECCAN - 107	22.9	23.0	14.6	30.8	22.8	2.5	2.8	203	193	187	225	202
14	KH 510	30.7	22.7	13.9	26.8	23.5	2.3	2.5	200	189	190	195	193
	MEAN LOCATION	28.3	23.1	14.5	30.9	24.2	2.3	2.0	211	191	189	207	200
	C.D. AT 5%=	4.2	0.5	0.3	2.8	1.9	0.3	0.4	20.6	11.7	15.2	16.3	15.9
	C.V. % =	8.9	1.4	1.2	6.4	-	7.3	13.0	5.8	4.3	4.8	5.5	-
	F (Prob)	.001	.000	.000	.000	-	.004	.000	.004	.001	.000	.000	-

TABLE NO. 13 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN	EAR No./PLANT DELH	LUDH	ZN 2 MEAN	STAND AT HARVEST DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	L - 173	75	100	102	94	93	1.01	0.95	0.98	82	75	49	65	68
2	EC - 3116	103	100	102	96	100	0.98	0.96	0.97	72	79	48	73	68
3	HKH - 1206	83	80	85	73	80	1.07	0.95	1.01	78	59	49	60	61
4	KAVERI - 235	88	83	105	90	91	1.04	0.91	0.97	75	78	48	79	70
5	PAC 70004	113	110	107	98	107	1.02	0.92	0.97	77	73	53	76	70
6	NECH - 113	93	80	95	88	89	1.04	0.97	1.01	74	81	56	75	72
7	X - 2003	88	96	105	90	95	0.99	1.00	0.99	78	72	55	75	70
8	PAC 70003	95	108	102	92	99	0.98	1.02	1.00	73	80	49	78	70
9	JKMH - 1080	73	79	73	74	75	0.99	1.03	1.01	77	79	51	78	71
10	SEEDTEC - 6234	100	95	108	87	98	1.00	1.00	1.00	85	77	49	78	72
11	BIO 9681 (FILLER)	95	85	90	88	89	1.04	0.98	1.01	85	80	56	79	75
	CHECKS:													
12	NAVJOT	113	96	88	88	96	1.05	0.97	1.01	75	69	48	56	62
13	DECCAN - 107	83	86	102	89	90	1.04	1.00	1.02	71	76	51	69	67
14	KH 510	95	88	103	83	92	1.04	0.98	1.01	80	70	49	75	69
	MEAN LOCATION	92	92	98	88	92	-	-	-	77	75	51	72	69
	C.D. AT 5%=	11.6	12.4	9.2	11.2	11.1	-	-	-	11.4	10.7	3.1	7.7	8.2
	C.V. % =	7.5	9.4	5.6	8.9	-	-	-	-	8.8	10.0	3.7	7.4	-
	F (Prob)	.000	.000	.000	.001	-	-	-	-	.262	.012	.000	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 14

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, JASHIPUR, AMBIKAPUR IN TRIAL No. TR66_ZONE 3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										GRAIN YIELD % SUPERIORITY OVER THE NAVJOT				
		GORA BELI	R	VARA	R	JASH	R	AMBI	R	ZN 3 MEAN	R	GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN
1	L - 173	5847	8	3039	8	5075	11	5667	8	4907	7	20.49	1.76	0.97	9.23	8.72
2	L - 157	4842	16	3052	7	4886	15	5276	12	4514	14	-	2.21	-	1.68	0.02
3	L - 161	4853	14	2676	14	4930	14	4681	18	4285	18	0.01	-	-	-	-
4	L - 169	4863	13	3745	1	4647	18	5519	10	4693	12	0.22	25.41	-	6.36	3.99
5	U M C - 13	5458	10	3064	6	5576	5	5036	15	4783	8	12.49	2.59	10.93	-	5.98
6	D - 003	6060	6	2569	15	5176	8	5027	16	4708	11	24.89	-	2.98	-	4.32
7	HKH - 1191	4284	19	2123	19	4629	19	4071	19	3777	19	-	-	-	-	-
8	BH - 2398	4888	11	2296	18	5494	6	6214	2	4723	10	0.74	-	9.30	19.77	4.65
9	A H - 1121	4663	18	3250	3	4804	16	5142	14	4465	16	-	8.83	-	-	-
10	A H - 1154	5668	9	2528	16	5115	10	4861	17	4543	13	16.82	-	1.76	-	0.66
11	BIO - 92218	6746	2	3294	2	5623	4	6216	1	5470	1	39.04	10.29	11.88	19.80	21.19
12	PAC 70003	6525	3	2803	13	5878	2	5809	6	5254	3	34.48	-	16.95	11.95	16.40
13	P M Z - 131	4772	17	3239	4	5331	7	5594	9	4734	9	-	8.46	6.06	7.81	4.89
14	BISCO-SURAJ 11	6004	7	2974	10	5875	3	5800	7	5163	5	23.73	-	16.89	11.79	14.40
15	X - 2003	6487	4	3219	5	5981	1	6008	4	5424	2	33.69	7.79	18.99	15.79	20.17
16	JKMH - 1080	6804	1	2965	11	5158	9	5872	5	5200	4	40.22	-	2.63	13.17	15.21
	CHECKS:															
17	NAVJOT	4852	15	2986	9	5026	12	5189	13	4513	15	-	-	-	-	-
18	DECCAN - 107	4868	12	2332	17	5008	13	5429	11	4409	17	0.32	-	-	4.63	-
19	KH 510	6395	5	2920	12	4758	17	6151	3	5056	6	31.79	-	-	18.55	12.03
	MEAN YIELD=	5520		2899		5209		5451		4770						
	MEAN STAND	71		70		60		69		67						
	C.D. AT 5%=	282		291		196		1002		443						
	C.V. % =	3.61		6.07		2.65		12.97		-						
	F (Prob)	.000		.000		.000		.000		-						
	PLOT SIZE=	12.00		15.00		12.00		15.00		-						
	AGRONOMY DATA:															
	SOW. DATE(2002)	2-07		1-07		28-06		29-06		-						
	HAR. DATE(2002)	2-10		8-10		5-10		-		-						
	IRRIGATION Nos	-		2		-		-		-						
	FERTILIZER APP.N	120		100		120		100		-						
	P	60		60		60		50		-						
	K	60		40		60		30		-						

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN	KH 510 GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN
1	L - 173	20.11	30.29	1.33	4.40	11.29	-	4.06	6.66	-	-
2	L - 157	-	30.86	-	-	2.38	-	4.52	2.70	-	-
3	L - 161	-	14.74	-	-	-	-	-	3.60	-	-
4	L - 169	-	60.57	-	1.66	6.44	-	28.24	-	-	-
5	U M C - 13	12.13	31.35	11.33	-	8.48	-	4.90	17.18	-	-
6	D - 003	24.50	10.16	3.35	-	6.78	-	-	8.78	-	-
7	HKH - 1191	-	-	-	-	-	-	-	-	-	-
8	BH - 2398	0.42	-	9.69	14.47	7.12	-	-	15.46	1.03	-
9	A H - 1121	-	39.34	-	-	1.26	-	11.28	0.97	-	-
10	A H - 1154	16.45	8.37	2.12	-	3.03	-	-	7.49	-	-
11	BIO - 92218	38.60	41.20	12.27	14.50	24.05	5.50	12.78	18.18	1.05	8.18
12	PAC 70003	34.05	20.16	17.36	7.00	19.15	2.04	-	23.53	-	3.91
13	P M Z - 131	-	38.86	6.43	3.04	7.36	-	10.91	12.03	-	-
14	BISCO-SURAJ 11	23.33	27.51	17.31	6.85	17.10	-	1.84	23.48	-	2.12
15	X - 2003	33.26	38.00	19.42	10.67	23.00	1.44	10.22	25.70	-	7.27
16	JKMH - 1080	39.78	27.11	3.00	8.17	17.93	6.40	1.52	8.41	-	2.84
	CHECKS:										
17	NAVJOT	-	28.03	0.35	-	2.36	-	2.26	5.63	-	-
18	DECCAN - 107	-	-	-	-	-	-	-	5.26	-	-
19	KH 510	31.37	25.21	-	13.30	14.67	-	-	-	-	-

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % SILKING GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN
1	L - 173	57.8	54.3	47.0	51.3	52.6	60.5	59.7	50.5	55.8	56.6
2	L - 157	53.5	50.0	46.0	49.0	49.6	55.8	56.0	49.8	53.8	53.8
3	L - 161	56.0	55.7	47.5	52.0	52.8	59.0	59.3	52.0	55.5	56.5
4	L - 169	58.5	53.0	45.8	50.0	51.8	61.0	59.3	49.8	55.3	56.3
5	U M C - 13	56.3	54.7	47.5	51.5	52.5	58.5	59.3	51.3	55.8	56.2
6	D - 003	55.3	53.0	45.3	49.5	50.8	58.0	57.7	49.5	54.8	55.0
7	HKH - 1191	58.5	60.7	55.0	59.0	58.3	61.3	65.3	61.0	63.5	62.8
8	BH - 2398	55.5	58.3	52.3	55.5	55.4	58.3	62.7	56.8	59.8	59.4
9	A H - 1121	58.0	52.7	43.8	50.0	51.1	60.5	56.0	47.5	54.5	54.6
10	A H - 1154	55.0	55.7	45.3	50.0	51.5	57.8	60.3	48.5	54.5	55.3
11	BIO - 92218	57.3	54.0	45.8	49.8	51.7	59.5	57.7	49.8	54.8	55.4
12	PAC 70003	59.5	58.7	49.5	53.8	55.4	62.3	62.7	52.8	58.3	59.0
13	P M Z - 131	57.8	53.0	47.8	51.3	52.4	60.5	58.0	51.5	55.8	56.4
14	BISCO - SURAJ 11	56.3	52.7	48.8	52.0	52.4	59.3	59.3	51.8	55.5	56.5
15	X - 2003	57.8	53.0	48.5	52.3	52.9	60.5	58.7	52.0	56.3	56.9
16	JKMH - 1080	54.8	51.3	45.5	51.3	50.7	57.8	58.0	49.0	55.3	55.0
	CHECKS:										
17	NAVJOT	58.3	51.7	45.3	49.5	51.2	60.8	58.7	48.5	54.3	55.5
18	DECCAN - 107	58.3	56.0	47.0	51.8	53.3	60.5	61.3	52.0	56.0	57.5
19	KH 510	56.8	54.0	47.3	50.8	52.2	59.5	59.7	50.5	54.8	56.1
	MEAN LOCATION	56.9	54.3	47.4	51.6	52.5	59.5	59.5	51.3	56.0	56.6
	C.D. AT 5%=	0.9	1.7	2.0	1.5	1.5	1.0	1.9	1.9	1.5	1.6
	C.V. % =	1.2	1.9	2.9	2.1	-	1.1	2.0	2.6	1.9	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.000	.000	-

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK					MOISTURE % AT HARVEST				PLANT ASPECT *			
		GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN
1	L - 173	88.0	88.7	86.8	99.0	90.6	28.9	31.6	22.3	27.6	2.1	2.0	2.0	2.0
2	L - 157	88.5	87.0	84.0	99.5	89.8	27.6	30.3	21.8	26.5	2.5	3.5	2.0	2.7
3	L - 161	89.3	88.7	86.0	97.8	90.4	29.3	34.1	22.0	28.5	2.1	2.3	2.0	2.1
4	L - 169	88.8	87.3	85.3	98.3	89.9	28.9	30.3	22.0	27.1	2.1	3.8	2.0	2.6
5	U M C - 13	88.5	87.7	85.3	98.5	90.0	28.8	31.0	22.8	27.5	2.1	2.3	2.0	2.1
6	D - 003	86.0	87.0	84.5	99.0	89.1	26.6	33.3	22.3	27.4	2.0	2.8	2.0	2.3
7	HKH - 1191	90.5	94.0	91.0	102.0	94.4	30.1	39.3	22.7	30.7	2.1	2.3	2.0	2.1
8	BH - 2398	88.8	93.3	93.0	99.8	93.7	30.2	36.7	22.8	29.9	2.0	2.3	2.0	2.1
9	A H - 1121	88.0	88.7	86.8	98.8	90.5	27.0	30.1	22.5	26.5	2.5	3.3	2.0	2.6
10	A H - 1154	89.3	91.7	87.5	99.5	92.0	28.3	30.3	22.3	27.0	2.3	2.3	2.0	2.2
11	BIO - 92218	89.5	89.7	85.5	98.5	90.8	29.6	33.3	22.0	28.3	1.8	1.5	2.0	1.8
12	PAC 70003	89.3	92.0	85.5	100.3	91.8	28.3	38.3	22.4	29.7	1.6	1.5	1.0	1.4
13	P M Z - 131	88.8	90.7	86.0	99.3	91.2	29.2	34.5	22.3	28.6	2.0	2.3	1.5	1.9
14	BISCO-SURAJ 11	89.5	90.3	85.5	101.8	91.8	29.7	34.7	22.0	28.8	1.8	3.3	1.0	2.0
15	X - 2003	88.5	88.3	86.3	98.0	90.3	29.3	35.3	22.0	28.8	1.6	1.5	1.0	1.4
16	JKMH - 1080	88.5	90.3	87.5	98.0	91.1	29.1	34.5	22.0	28.5	2.4	3.8	2.0	2.7
	CHECKS:													
17	NAVJOT	86.8	88.3	87.0	99.8	90.5	27.1	30.5	22.0	26.5	2.5	3.0	2.0	2.5
18	DECCAN - 107	89.3	92.0	86.3	98.5	91.5	27.8	30.8	22.0	26.8	2.1	2.8	2.0	2.3
19	KH 510	86.5	89.7	84.5	98.8	89.9	27.5	31.1	21.7	26.8	2.0	2.0	2.0	2.0
	MEAN LOCATION	88.5	89.8	86.5	99.2	91.0	28.6	33.2	22.2	28.0	2.1	2.5	1.8	2.1
	C.D. AT 5%=	0.9	2.4	1.8	2.3	1.8	0.7	1.1	0.1	0.6	0.3	0.2	0.2	0.2
	C.V. % =	0.7	1.6	1.5	1.6	-	1.7	1.9	0.4	-	9.8	4.9	7.3	-
	F (Prob)	.000	.000	.000	.020	-	.000	.000	.000	-	.000	.000	.000	-

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * GORA BELI	VARA	JASH	ZN 3 MEAN	HUSK COVER * GORA BELI	VARA	JASH	ZN 3 MEAN	UNIFORMITY * GORA BELI	VARA	JASH	ZN 3 MEAN
1	L - 173	2.5	2.3	1.8	2.2	2.4	2.0	2.8	2.4	2.3	2.5	3.0	2.6
2	L - 157	2.5	2.8	1.5	2.3	2.6	2.3	3.0	2.6	2.6	3.0	3.3	3.0
3	L - 161	2.5	2.5	1.5	2.2	2.4	2.3	2.5	2.4	2.4	3.3	3.3	3.0
4	L - 169	2.6	2.8	2.3	2.5	2.0	2.0	2.5	2.2	2.6	3.3	3.3	3.0
5	U M C - 13	2.8	3.0	1.5	2.4	2.0	2.0	2.8	2.3	2.5	3.8	3.0	3.1
6	D - 003	2.8	2.0	2.5	2.4	2.3	1.5	2.5	2.1	2.5	2.0	3.0	2.5
7	HKH - 1191	2.5	2.0	2.0	2.2	2.4	2.0	2.8	2.4	2.4	1.5	2.3	2.0
8	BH - 2398	2.1	2.0	1.5	1.9	2.0	2.0	3.0	2.3	2.3	1.0	2.5	1.9
9	A H - 1121	2.6	3.0	1.5	2.4	2.0	2.3	2.3	2.2	2.1	3.3	3.0	2.8
10	A H - 1154	2.5	2.5	1.8	2.3	2.0	2.3	2.8	2.3	2.5	2.5	2.8	2.6
11	BIO - 92218	1.9	2.3	1.5	1.9	1.9	2.0	2.5	2.1	2.1	2.5	2.3	2.3
12	PAC 70003	2.0	2.8	1.0	1.9	1.5	2.0	1.5	1.7	2.0	1.0	2.0	1.7
13	P M Z - 131	2.1	2.0	1.5	1.9	1.8	2.0	1.0	1.6	2.1	2.5	2.0	2.2
14	BISCO - SURAJ 11	1.8	2.3	1.3	1.8	1.9	1.8	1.0	1.5	1.9	1.5	2.0	1.8
15	X - 2003	2.0	2.8	1.0	1.9	1.6	2.0	1.0	1.5	2.1	2.3	1.0	1.8
16	JKMH - 1080	2.0	2.5	1.5	2.0	2.3	2.0	1.0	1.8	2.4	2.0	2.0	2.1
	CHECKS:												
17	NAVJOT	2.5	3.5	2.0	2.7	2.1	2.8	3.0	2.6	2.5	3.3	4.0	3.3
18	DECCAN - 107	2.6	2.5	2.3	2.5	2.3	2.8	3.0	2.7	2.6	2.8	3.8	3.0
19	KH 510	2.3	1.8	1.8	1.9	1.6	2.0	2.0	1.9	2.1	2.0	2.8	2.3
	MEAN LOCATION	2.3	2.5	1.7	2.2	2.0	2.1	2.3	2.1	2.3	2.4	2.7	2.5
	C.D. AT 5%=	0.4	0.3	0.7	0.5	0.4	0.2	0.6	0.4	0.3	0.2	0.6	0.4
	C.V. % =	13.0	6.6	29.1	-	12.7	6.7	18.2	-	10.4	6.3	14.6	-
	F (Prob)	.000	.000	.002	-	.000	.000	.000	-	.000	.000	.000	-

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN	EAR HEIGHT (cm) GORA BELI	VARA	JASH	AMBI	ZN 3 MEAN
1	L - 173	160	216	202	221	200	74	74	101	84	83
2	L - 157	143	208	188	213	188	73	86	89	73	80
3	L - 161	151	221	186	214	193	73	92	83	85	83
4	L - 169	150	194	207	223	193	69	72	104	84	82
5	U M C - 13	147	227	193	216	195	58	89	99	80	81
6	D - 003	151	184	197	209	185	62	82	97	81	81
7	HKH - 1191	127	180	159	191	164	63	73	85	72	73
8	BH - 2398	154	226	196	231	202	72	77	97	86	83
9	A H - 1121	135	204	189	210	184	71	87	92	86	84
10	A H - 1154	174	193	188	209	191	71	71	87	80	77
11	BIO - 92218	175	242	203	252	218	67	88	93	84	83
12	PAC 70003	150	218	208	237	203	71	97	110	92	93
13	P M Z - 131	165	200	197	211	193	72	73	95	82	80
14	BISCO - SURAJ 11	159	185	196	218	189	64	81	93	80	79
15	X - 2003	174	233	204	232	211	79	80	100	90	87
16	JKMH - 1080	140	200	184	208	183	65	74	77	71	72
	CHECKS:										
17	NAVJOT	156	212	202	221	198	67	101	97	69	83
18	DECCAN - 107	153	236	196	242	207	55	81	94	90	80
19	KH 510	151	223	187	226	197	65	90	85	82	80
	MEAN LOCATION	153	210	194	220	194	68	82	94	81	81
	C.D. AT 5%=	26.7	3.6	9.7	14.7	13.7	17.2	3.3	9.5	10.2	10.1
	C.V. % =	12.3	1.0	3.5	4.7	-	18.0	2.5	7.1	8.8	-
	F (Prob)	.042	.000	.000	.000	-	.528	.000	.000	.000	-

TABLE NO. 14 (CONT.)

Sl No	PEDIGREE	H.maydis * GORA BELI	H.maydis * JASH	ZN 3 MEAN	BSLB * JASH	EAR NO./PLANT GORA BELI	EAR NO./PLANT VARA	EAR NO./PLANT AMBI	ZN 3 MEAN	STAND AT HARVEST GORA BELI	STAND AT HARVEST VARA	STAND AT HARVEST JASH	STAND AT HARVEST AMBI
1	L - 173	1.3	2.5	1.9	1.9	0.98	1.08	1.00	1.02	72	70	63	68
2	L - 157	2.3	2.8	2.5	2.5	0.99	1.04	1.00	1.01	70	62	61	65
3	L - 161	2.0	2.6	2.3	2.4	0.99	0.96	1.00	0.98	71	71	60	67
4	L - 169	1.6	2.4	2.0	2.0	0.98	1.05	1.00	1.01	69	72	61	69
5	U M C - 13	1.5	2.3	1.9	2.4	0.99	0.95	1.00	0.98	72	67	59	68
6	D - 003	1.9	2.3	2.1	2.3	0.97	0.95	0.97	0.96	71	71	58	71
7	HKH - 1191	1.1	2.0	1.6	3.0	0.98	0.98	0.99	0.98	68	65	65	63
8	BH - 2398.	1.1	2.1	1.6	2.0	0.98	0.98	0.99	0.98	72	72	60	68
9	A H - 1121	1.8	2.5	2.1	2.1	0.99	0.97	0.98	0.98	68	72	64	69
10	A H - 1154	1.5	2.1	1.8	2.4	1.02	0.96	0.98	0.99	74	72	58	71
11	BIO - 92218	1.5	2.6	2.1	3.0	0.99	0.99	0.99	0.99	73	72	61	72
12	PAC 70003	1.4	2.1	1.8	2.8	0.98	0.98	0.99	0.98	73	70	58	68
13	P M Z - 131	1.3	2.3	1.8	2.8	0.98	0.95	0.97	0.97	70	70	59	71
14	BISCO-SURAJ 11	1.3	2.3	1.8	2.4	0.98	1.00	0.97	0.98	73	70	59	73
15	X - 2003	1.1	2.0	1.6	2.5	0.98	0.97	0.95	0.97	72	72	62	72
16	JKMH - 1080	1.3	1.4	1.3	2.4	0.98	0.98	0.99	0.98	68	68	64	70
	CHECKS:												
17	NAVJOT	2.3	3.3	2.8	2.6	0.98	0.96	0.99	0.97	71	73	56	67
18	*DECCAN - 107*	2.1	3.5	2.8	2.1	0.98	0.93	*0.96*	0.96	71	65	55	70
19	KH 510	1.5	2.1	1.8	2.6	0.99	0.96	0.97	0.97	75	71	56	72
	MEAN LOCATION	1.6	2.4	2.0	2.4	-	-	-	-	71	70	60	69
	C.D. AT 5%=	0.5	0.6	0.6	0.7	-	-	-	-	3.8	6.2	5.1	5.9
	C.V. % =	24.2	16.8	-	19.0	-	-	-	-	3.8	5.4	6.0	6.0
	F (Prob)	.000	.000	-	.032	-	-	-	-	.012	.053	.004	.103

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 15

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, ARBHAVI, COIMBATORE, IN AET 1st YEAR, TRIAL No. TR66_ZONE 4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE HYDE	R	ARBH	R	COIM	R	ZN 4 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT HYDE	ARBH	COIM	ZN 4 MEAN
1	HKH - 1206	3478	10	4593	11	7049	8	5040	12	9.27	10.72	-	-
2	BH - 2398	6186	1	6432	3	8271	1	6963	1	94.36	55.04	5.89	37.95
3	U M C- 13	3398	11	5101	10	7108	7	5202	10	6.77	22.96	-	3.07
4	BIO - 92218	5334	3	6199	4	5594	12	5709	8	67.58	49.42	-	13.11
5	JKMH - 1080	4863	5	5775	8	6608	10	5749	7	52.80	39.21	-	13.90
6	SEEDTEC - 6234	5027	4	5835	7	7841	2	6234	3	57.94	40.65	0.39	23.52
7	NECH - 112	5439	2	6680	1	7254	6	6458	2	70.88	61.02	-	27.94
8	KAVERI - 235	4683	7	6524	2	6977	9	6061	5	47.13	57.26	-	20.09
9	P M Z - 131	4296	8	6072	5	6147	11	5505	9	34.96	46.36	-	9.06
	CHECKS:												
10	NAVJOT	3183	12	4149	12	7811	3	5047	11	-	-	-	-
11	DECCAN - 107	4054	9	5541	9	7691	5	5762	6	27.38	33.56	-	14.16
12	KH 510	4721	6	6047	6	7796	4	6188	4	48.33	45.76	-	22.60
	MEAN YIELD=	4555		5746		7179		5827					
	MEAN STAND	45		77		75		66					
	C.D. AT 5%=	973		1172		986		1043					
	C.V. % =	14.88		14.21		9.56		-					
	F (Prob)	.000		.000		.000		-					
	PLOT SIZE=	15.00		15.00		15.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		25-07		5-07		-					
	HARVEST DATE(2002)	22-10		22-11		18-10		-					
	IRRIGATION Nos	6		6		8		-					
	FERTILIZER APPLIED N	120		150		135		-					
	P	60		75		63		-					
	K	30		38		50		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : KOLH 29.7%

TABLE NO. 15 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 HYDE	ARBH	COIM	ZN 4 MEAN	K H - 510 HYDE	ARBH	COIM	ZN 4 MEAN
1	HKH - 1206	-	-	-	-	-	-	-	-
2	BH - 2398	52.59	16.09	7.53	20.84	31.03	6.37	6.09	12.53
3	U M C- 13	-	-	-	-	-	-	-	-
4	BIO - 92218	31.56	11.88	-	-	12.97	2.52	-	-
5	JKMH - 1080	19.96	4.23	-	-	3.01	-	-	-
6	SEEDTEC - 6234	23.99	5.31	1.95	8.20	6.47	-	0.58	0.75
7	NECH - 112	34.16	20.56	-	12.07	15.20	10.47	-	4.36
8	KAVERI - 235	15.51	17.75	-	5.19	-	7.89	-	-
9	P M Z - 131	5.95	9.59	-	-	-	0.42	-	-
	CHECKS:								
10	NAVJOT	-	-	1.55	-	-	-	0.19	-
11	DECCAN - 107	-	-	-	-	-	-	-	-
12	KH 510	16.45	9.13	1.36	7.39	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED HYDE	ARBH	COIM	ZN 4 MEAN	DAYS TO 50 % SILKING HYDE	ARBH	COIM	ZN 4 MEAN	DAYS TO 50 % DRY HUSK HYDE	COIM	ZN 4 MEAN
1	HKH - 1206	57.5	59.3	52.3	56.3	59.5	60.0	56.0	58.5	94.3	100.0	97.1
2	BH - 2398	60.3	62.0	56.8	59.7	62.5	63.8	59.0	61.8	95.8	102.0	98.9
3	U M C- 13	56.3	59.5	56.3	57.3	58.8	61.0	58.3	59.3	94.5	103.0	98.8
4	BIO - 92218	56.5	58.3	54.0	56.3	59.0	59.0	56.0	58.0	93.5	98.0	95.8
5	JKMH - 1080	56.8	57.3	53.0	55.7	59.0	58.8	55.5	57.8	95.5	99.0	97.3
6	SEEDTEC - 6234	58.3	60.5	56.8	58.5	60.5	61.8	59.0	60.4	95.8	102.0	98.9
7	NECH - 112	57.3	58.8	54.3	56.8	59.5	59.8	56.3	58.5	96.0	99.3	97.6
8	KAVERI - 235	56.5	57.3	53.3	55.7	59.3	58.3	55.0	57.5	94.0	97.5	95.8
9	P M Z - 131	57.5	57.5	54.0	56.3	60.8	59.0	57.5	59.1	96.5	100.0	98.3
	CHECKS:											
10	NAVJOT	56.3	56.3	51.3	54.6	57.3	58.0	54.8	56.7	95.3	99.3	97.3
11	DECCAN - 107	58.0	60.0	55.0	57.7	60.5	61.3	57.8	59.8	94.5	102.0	98.3
12	KH 510	56.3	58.3	53.0	55.8	58.8	58.8	55.8	57.8	96.0	100.5	98.3
	MEAN LOCATION	57.3	58.7	54.1	56.7	59.6	59.9	56.7	58.8	95.1	100.2	97.7
	C.D. AT 5%=	1.9	1.8	0.6	1.4	2.2	2.2	0.7	1.7	1.8	1.4	1.6
	C.V. % =	2.3	2.2	0.8	-	2.5	2.6	0.8	-	1.3	1.0	-
	F (Prob)	.005	.000	.000	-	.006	.000	.000	-	.033	.000	-

TABLE NO. 15 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST HYDE	ARBH	COIM	ZN 4 MEAN	PLANT ASPECT * HYDE	ARBH	COIM	ZN 4 MEAN	EAR ASPECT * HYDE	ARBH	COIM	ZN 4 MEAN
1	HKH - 1206	24.2	20.0	16.0	20.1	2.6	2.0	1.3	2.0	2.6	2.8	1.8	2.4
2	BH - 2398	25.1	19.9	15.5	20.2	2.3	1.8	1.0	1.7	2.0	2.5	1.3	1.9
3	U M C- 13	26.6	17.8	16.5	20.3	2.6	2.5	1.0	2.0	2.8	3.0	2.0	2.6
4	BIO - 92218	23.7	16.8	18.3	19.6	2.5	2.0	2.8	2.4	2.1	2.8	2.0	2.3
5	JKMH - 1080	25.1	16.5	18.5	20.1	2.4	2.3	2.0	2.2	2.3	2.5	2.0	2.3
6	SEEDTEC - 6234	25.0	20.9	17.9	21.3	2.1	2.0	1.8	2.0	2.3	2.3	1.3	1.9
7	NECH - 112	25.8	17.9	19.1	20.9	2.1	2.3	1.0	1.8	2.3	2.5	2.3	2.3
8	KAVERI - 235	25.6	17.4	15.3	19.4	2.3	2.3	2.0	2.2	2.3	2.3	1.5	2.0
9	P M Z - 131	23.5	17.5	19.3	20.1	2.3	2.3	2.0	2.2	2.5	2.3	1.0	1.9
	CHECKS:												
10	NAVJOT	24.1	18.8	17.1	20.0	2.8	3.0	2.0	2.6	2.9	2.8	3.0	2.9
11	DECCAN - 107	25.9	17.6	15.7	19.7	2.3	2.3	2.0	2.2	2.8	3.0	1.0	2.3
12	KH 510	27.2	17.8	15.5	20.2	2.4	2.5	2.0	2.3	2.3	2.8	1.8	2.3
	MEAN LOCATION	25.2	18.3	17.1	20.2	2.4	2.3	1.7	2.1	2.4	2.6	1.7	2.2
	C.D. AT 5%=	1.7	0.8	0.8	1.1	0.4	0.2	0.4	0.3	0.4	0.2	0.5	0.4
	C.V. % =	4.7	3.2	3.4	-	11.2	6.5	14.3	-	12.3	6.2	20.6	-
	F (Prob)	.002	.000	.000	-	.025	.000	.000	-	.002	.000	.000	-

Sl No	PEDIGREE	HUSK COVER * HYDE	ARBH	COIM	ZN 4 MEAN	UNIFORMITY * HYDE	ARBH	COIM	ZN 4 MEAN	PLANT HT(cm) COIM	EAR HT(cm) COIM
1	HKH - 1206	2.9	3.0	2.0	2.6	2.8	2.0	2.0	2.3	173	78
2	BH - 2398	2.4	2.5	1.8	2.2	2.3	2.3	1.0	1.8	205	103
3	U M C- 13	2.4	2.3	2.0	2.2	2.8	3.0	2.0	2.6	194	94
4	BIO - 92218	2.6	2.3	2.3	2.4	2.6	2.0	2.8	2.5	185	74
5	JKMH - 1080	2.3	2.3	3.0	2.5	2.5	2.5	2.8	2.6	174	70
6	SEEDTEC - 6234	2.1	2.0	2.0	2.0	2.3	2.0	1.8	2.0	181	93
7	NECH - 112	2.0	2.5	2.0	2.2	2.1	2.3	1.3	1.9	193	100
8	KAVERI - 235	2.1	2.5	2.5	2.4	2.4	2.3	3.0	2.5	202	91
9	P M Z - 131	2.3	2.3	2.0	2.2	2.3	2.3	2.0	2.2	193	82
	CHECKS:										
10	NAVJOT	2.8	3.0	2.0	2.6	2.8	3.0	4.0	3.3	196	94
11	DECCAN - 107	2.1	2.5	2.0	2.2	2.3	2.3	3.0	2.5	197	94
12	KH 510	2.3	2.5	1.5	2.1	2.5	2.8	2.5	2.6	183	76
	MEAN LOCATION	2.3	2.5	2.1	2.3	2.4	2.4	2.3	2.4	189	87
	C.D. AT 5%=	0.4	0.3	0.5	0.4	0.4	0.3	0.8	0.5	7.1	3.3
	C.V. % =	12.3	7.1	15.3	-	11.5	8.1	22.6	-	2.6	2.7
	F (Prob)	.002	.000	.000	-	.016	.000	.000	-	.000	.000

TABLE NO. 15 (CONT.)

Sl No	PEDIGREE	EAR NO./PLANT HYDE	COIM	ZN 4 MEAN	STAND AT HARVEST HYDE	ARBH	COIM	ZN 4 MEAN
1	HKH - 1206	1.05	1.01	1.03	31	61	73	55
2	BH - 2398	1.03	1.00	1.02	48	85	76	70
3	U M C- 13	1.02	1.00	1.01	38	60	76	58
4	BIO - 92218	1.01	1.00	1.00	57	87	75	73
5	JKMH - 1080	0.98	1.01	0.99	55	83	75	71
6	SEEDTEC - 6234	1.02	1.00	1.01	43	81	75	66
7	NECH - 112	0.99	1.01	1.00	46	78	76	66
8	KAVERI - 235	1.07	1.01	1.04	41	80	74	65
9	P M Z - 131	0.93	1.01	0.97	41	73	74	63
	CHECKS:							
10	NAVJOT	1.31	1.00	1.15	42	69	75	62
11	DECCAN - 107	0.91	1.00	0.96	55	82	76	71
12	KH 510	1.09	1.00	1.04	47	83	74	68
	MEAN LOCATION	-	-	-	45	77	75	66
	C.D. AT 5%=	-	-	-	13.2	11.4	1.3	8.6
	C.V. % =	-	-	-	20.3	10.3	1.2	-
	F (Prob)	-	-	-	.009	.000	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 16

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, IN AET 1st YEAR, TRIAL No. TR66_ZONE 5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						ZN 5		GRAIN YIELD % SUPERIORITY OVER THE NAVJOT			ZN 5
		UDAI	R	BANS	R	GODH	R	MEAN	R	UDAI	BANS	GODH	MEAN
1	A H - 1121	5930	8	2360	5	3163	14	3818	10	22.37	23.36	-	13.32
2	A H - 1122	5415	10	2771	1	2973	15	3719	13	11.73	44.84	-	10.40
3	A H - 1152	5138	13	1541	17	2583	17	3087	16	6.03	-	-	-
4	A H - 1154	5334	12	2561	3	3392	9	3763	11	10.08	33.86	1.33	11.68
5	EC - 3110	4958	15	2600	2	3692	6	3750	12	2.30	35.92	10.26	11.30
6	HKH - 1191	683	17	2197	7	2952	16	1944	17	-	14.84	-	-
7	D - 003	4996	14	1844	13	3640	7	3493	14	3.09	-	8.73	3.69
8	U M H - 1	6351	7	1997	9	3898	2	4082	5	31.06	4.36	16.44	21.16
9	U M H - 2	6975	3	2198	6	3778	5	4317	2	43.93	14.86	12.84	28.13
10	E C 3116	5336	11	2424	4	3784	4	3848	8	10.11	26.69	13.02	14.22
11	BIO - 92218	6455	6	1907	11	3333	11	3898	6	33.21	-	-	15.72
12	JKMH - 1080	8109	1	2176	8	3487	8	4591	1	67.33	13.76	4.15	36.26
13	SEEDTEC - 6234	6718	4	1544	16	4278	1	4180	4	38.64	-	27.80	24.08
14	KAVERI - 235	6473	5	1901	12	3306	13	3893	7	33.56	-	-	15.55
	CHECKS:												
15	NAVJOT	4846	16	1913	10	3348	10	3369	15	-	-	-	-
16	DECCAN - 107	5867	9	1829	14	3813	3	3836	9	21.06	-	13.89	13.87
17	KH 510	7460	2	1806	15	3329	12	4198	3	53.93	-	-	24.60
	MEAN YIELD=	5708		2092		3456		3752					
	MEAN STAND	79		51		46		58					
	C.D. AT 5%=	571		321		648		513					
	C.V. % =	7.05		10.79		13.20		-					
	F (Prob)	.000		.000		.000							
	PLOT SIZE=	12.00		12.00		12.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		20-07		5-07		-					
	HARVEST DATE(2002)	30-09		25-10		10-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	100		80		100		-					
	P	60		60		50		-					
	K	-		-		-		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : CHHI 25.6%

TABLE NO. 16 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 UDAI	BANS	GODH	ZN 5 MEAN	K H - 510 UDAI	BANS	GODH	ZN 5 MEAN
1	A H - 1121	1.08	29.05	-	-	-	30.71	-	-
2	A H - 1122	-	51.52	-	-	-	53.46	-	-
3	A H - 1152	-	-	-	-	-	-	-	-
4	A H - 1154	-	40.04	-	-	-	41.83	1.91	-
5	EC - 3119	-	42.18	-	-	-	44.01	10.90	-
6	HKH - 1191	-	20.14	-	-	-	21.68	-	-
7	D - 003	-	0.81	-	-	-	2.11	9.36	-
8	U M H - 1	8.26	9.17	2.23	6.41	-	10.57	17.11	-
9	U M H - 2	18.89	20.16	-	12.53	-	21.70	13.50	2.83
10	E C 3116	-	32.53	-	0.31	-	34.23	13.68	-
11	BIO - 92218	10.03	4.29	-	1.62	-	5.63	0.13	-
12	JKMH - 1080	38.22	19.00	-	19.67	8.71	20.53	4.75	9.36
13	SEEDTEC - 6234	14.51	-	12.21	8.97	-	-	28.54	-
14	KAVERI - 235	10.32	3.95	-	1.48	-	5.29	-	-
	CHECKS:								
15	NAVJOT	-	4.61	-	-	-	5.95	0.58	-
16	DECCAN - 107	-	-	-	-	-	1.28	14.55	-
17	KH 510	27.15	-	-	9.43	-	-	-	-

TABLE NO. 16 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED				DAYS TO 50 % SILKING				DAYS TO 50 % DRY HUSK			
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN
1	A H - 1121	51.8	46.5	52.5	50.3	54.8	50.3	59.5	54.8	82.0	81.5	79.5	81.0
2	A H - 1122	50.5	45.5	53.5	49.8	53.5	49.3	59.5	54.1	82.3	81.5	78.5	80.8
3	A H - 1152	54.5	49.0	59.5	54.3	56.0	52.5	64.0	57.5	83.5	82.0	83.5	83.0
4	A H - 1154	47.8	44.0	51.5	47.8	52.5	47.8	56.5	52.3	78.5	79.8	76.5	78.3
5	EC - 3110	48.3	45.8	51.5	48.5	52.0	49.5	57.5	53.0	79.3	81.3	77.5	79.3
6	HKH - 1191	58.8	46.8	60.5	55.3	60.0	51.0	64.5	58.5	82.0	81.5	83.5	82.3
7	D - 003	50.3	44.3	53.5	49.3	54.5	47.8	59.5	53.9	77.8	80.5	79.5	79.3
8	U M H - 1	59.0	46.0	60.3	55.1	60.8	50.0	64.3	58.3	86.0	78.5	83.0	82.5
9	U M H - 2	52.8	46.3	54.5	51.2	56.5	50.0	61.5	56.0	84.8	78.3	81.5	81.5
10	E C 3116	49.3	46.3	53.5	49.7	52.0	49.8	59.5	53.8	81.0	82.8	79.5	81.1
11	BIO - 92218	54.3	42.0	56.5	50.9	55.5	45.8	62.0	54.4	83.5	78.3	82.5	81.4
12	JKMH - 1080	50.0	46.0	53.5	49.8	53.5	49.5	60.5	54.5	81.5	80.3	81.5	81.1
13	SEEDTEC - 6234	56.3	45.5	54.5	52.1	57.5	49.5	60.5	55.8	84.8	78.8	80.5	81.3
14	KAVERI - 235	52.3	43.0	52.5	49.3	54.5	46.0	58.5	53.0	83.5	81.8	77.5	80.9
	CHECKS:												
15	NAVJOT	49.3	43.8	52.5	48.5	53.3	47.8	59.5	53.5	80.8	80.0	79.5	80.1
16	DECCAN - 107	52.3	42.5	54.5	49.8	56.0	46.8	60.5	54.4	82.5	79.3	80.5	80.8
17	KH 510	49.5	44.0	54.5	49.3	52.8	47.5	59.5	53.3	81.8	81.5	79.5	80.9
	MEAN LOCATION	52.1	45.1	54.7	50.6	55.0	48.9	60.4	54.8	82.1	80.4	80.2	80.9
	C.D. AT 5%=	1.5	2.3	1.9	1.9	1.5	2.5	1.4	1.8	1.4	2.3	1.0	1.6
	C.V. % =	2.0	3.7	2.5	-	1.9	3.6	1.7	-	1.2	2.0	0.9	-
	F (Prob)	.000	.000	.000	-	.000	.000	.000	-	.000	.001	.000	-

TABLE NO. 16 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				EAR ASPECT *			
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN
1	A H - 1121	18.4	16.5	16.0	17.0	2.7	2.4	2.8	2.6	2.2	2.4	2.1	2.2
2	A H - 1122	19.5	16.8	18.8	18.3	2.0	2.5	2.8	2.4	2.1	2.1	2.9	2.4
3	A H - 1152	19.9	16.3	17.5	17.9	2.7	2.3	2.5	2.5	2.4	2.1	2.8	2.4
4	A H - 1154	20.5	17.5	20.0	19.3	2.5	2.1	3.3	2.6	2.3	2.1	2.9	2.4
5	EC - 3110	18.9	17.3	16.8	17.6	2.5	2.3	3.3	2.7	2.0	2.3	2.8	2.3
6	HKH - 1191	18.6	16.1	16.3	17.0	4.7	2.5	2.8	3.3	4.7	2.1	3.3	3.4
7	D - 003	19.0	16.1	15.8	16.9	2.5	2.4	2.5	2.5	2.3	2.3	2.3	2.3
8	U M H - 1	20.5	16.5	17.3	18.1	2.0	2.5	2.3	2.3	1.8	2.4	3.3	2.5
9	U M H - 2	19.1	17.3	16.3	17.6	1.7	2.1	2.5	2.1	1.5	2.1	2.5	2.0
10	E C 3116	18.9	16.6	17.0	17.5	2.0	2.4	2.8	2.4	1.9	2.3	2.5	2.2
11	BIO - 92218	19.1	16.3	18.5	17.9	2.3	2.4	2.5	2.4	2.0	2.3	3.1	2.5
12	JKMH - 1080	19.5	16.9	19.8	18.7	2.2	1.5	2.3	2.0	1.8	1.5	2.5	1.9
13	SEEDTEC - 6234	18.4	17.2	16.0	17.2	2.2	2.6	2.5	2.5	1.8	2.4	2.5	2.2
14	KAVERI - 235	18.2	16.4	16.8	17.1	2.2	2.5	2.8	2.5	2.0	2.1	2.6	2.2
	CHECKS:												
15	NAVJOT	19.3	16.5	14.8	16.8	2.3	2.4	3.3	2.6	2.3	2.3	3.1	2.6
16	DECCAN - 107	17.9	16.9	17.8	17.5	2.1	2.4	3.3	2.6	2.3	2.3	2.6	2.4
17	KH 510	19.5	16.8	18.3	18.1	2.2	2.4	2.3	2.3	2.0	2.0	2.8	2.2
	MEAN LOCATION	19.1	16.7	17.3	17.7	2.4	2.3	2.7	2.5	2.2	2.2	2.7	2.4
	C.D. AT 5%=	0.5	0.8	0.6	0.7	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.4
	C.V. % =	2.0	3.5	2.6	-	9.5	9.2	8.0	-	10.5	13.3	15.5	-
	F (Prob)	.000	.029	.000	-	.000	.000	.000	-	.000	.037	.009	-

TABLE NO. 16 (CONT.)

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	GODH	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN
1	A H - 1121	2.1	2.1	2.3	2.2	2.9	2.4	2.5	2.6	220	148	145	171
2	A H - 1122	2.3	2.3	2.3	2.3	2.5	2.1	2.8	2.4	245	153	175	191
3	A H - 1152	2.4	2.4	2.1	2.3	2.7	2.4	2.5	2.5	236	158	138	177
4	A H - 1154	2.4	2.1	3.3	2.6	2.5	2.3	3.0	2.6	229	155	145	176
5	EC - 3110	2.6	2.3	2.8	2.5	2.6	2.3	2.5	2.5	234	148	135	172
6	HKH - 1191	4.0	2.0	2.3	2.8	4.6	2.3	2.3	3.0	185	140	145	157
7	D - 003	2.3	2.3	2.3	2.3	2.9	2.5	2.8	2.7	226	128	148	167
8	U M H - 1	2.0	2.6	2.0	2.2	2.3	2.3	2.3	2.3	239	130	165	178
9	U M H - 2	2.8	2.3	2.3	2.4	1.8	2.3	2.5	2.2	256	187	163	202
10	E C 3116	2.1	2.4	2.0	2.1	2.5	2.1	2.3	2.3	261	133	155	183
11	BIO - 92218	2.2	2.4	2.4	2.3	2.6	2.5	2.8	2.6	228	150	143	173
12	JKMH - 1080	2.0	1.6	2.3	2.0	2.4	1.6	2.3	2.1	221	163	155	180
13	SEEDTEC - 6234	2.3	2.6	2.3	2.4	2.3	2.6	2.3	2.4	221	155	155	177
14	KAVERI - 235	2.2	2.4	2.3	2.3	2.3	2.4	2.0	2.2	266	152	175	198
	CHECKS:												
15	NAVJOT	2.6	2.4	3.3	2.7	2.6	2.5	2.8	2.6	256	153	165	192
16	DECCAN - 107	2.3	2.4	2.8	2.5	2.3	2.6	3.1	2.7	236	147	155	179
17	KH 510	2.4	2.3	2.0	2.2	2.5	2.3	2.3	2.3	230	151	178	186
	MEAN LOCATION	2.4	2.3	2.4	2.4	2.6	2.3	2.5	2.5	235	150	155	180
	C.D. AT 5%=	0.5	0.4	0.4	0.4	0.3	0.4	0.3	0.3	19.3	4.2	5.9	9.8
	C.V. % =	15.6	13.1	11.1	-	8.3	12.4	9.2	-	5.8	2.0	2.7	-
	F (Prob)	.000	.010	.000	-	.000	.004	.000	-	.000	.000	.000	-

TABLE NO. 16 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN	EAR No./PLANT UDAI	BANS	GODH	ZN 5 MEAN	STAND AT HARVEST UDAI	BANS	GODH	ZN 5 MEAN
1	A H - 1121	106	65	65	79	0.95	1.02	1.10	1.02	78	55	56	63
2	A H - 1122	133	77	75	95	0.97	1.06	1.00	1.01	86	55	53	65
3	A H - 1152	110	77	53	80	0.79	1.02	1.08	0.96	82	49	57	63
4	A H - 1154	99	68	65	77	0.98	1.08	1.10	1.05	90	49	53	64
5	EC - 3110	114	62	75	83	0.94	1.08	1.20	1.07	65	48	31	48
6	HKH - 1191	85	58	55	66	0.75	1.04	1.21	1.00	32	48	14	31
7	D - 003	86	53	65	68	0.95	1.01	1.12	1.02	77	43	44	54
8	U M H - 1	96	50	75	74	0.98	0.94	1.06	0.99	79	42	47	56
9	U M H - 2	110	80	61	84	0.97	0.97	1.08	1.01	78	60	43	60
10	E C 3116	113	72	78	87	0.97	0.99	0.96	0.97	69	60	32	54
11	BIO - 92218	93	78	48	73	0.97	1.02	1.00	0.99	86	51	54	64
12	JKMH - 1080	83	72	59	71	0.98	1.07	1.02	1.02	92	55	67	71
13	SEEDTEC - 6234	99	70	81	83	0.75	1.05	1.19	1.00	82	53	49	62
14	KAVERI - 235	125	65	74	88	0.77	1.12	1.02	0.97	85	50	55	63
	CHECKS:												
15	NAVJOT	116	82	75	91	0.96	1.10	1.12	1.06	85	52	44	60
16	DECCAN - 107	106	63	65	78	0.98	1.01	1.09	1.03	89	46	50	62
17	KH 510	98	67	88	84	0.96	1.11	1.01	1.03	87	53	29	56
	MEAN LOCATION	104	68	68	80	-	-	-	-	79	51	46	58
	C.D. AT 5%=	9.2	8.3	6.2	7.9	-	-	-	-	7.8	9.0	11.5	9.4
	C.V. % =	6.2	8.6	6.4	-	-	-	-	-	6.9	12.4	17.6	-
	F (Prob)	.000	.000	.000	-	-	-	-	-	.000	.007	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 17

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT ALMORA, BAJAURA, JORHAT, IN AET 1st YEAR, TRIAL No. TR67_1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ALMO	R	BAJA	R	JORH	R	ZN 1 MEAN	R	% SUPERIORITY OF GRAIN YIELD OVER THE PEHM - 2 ALMO	BAJA	JORH	ZN 1 MEAN
1	SEEDTEC - 1204	10015	1	9767	1	2070	8	7284	1	44.18	61.63	-	36.48
2	PAC 70002	7678	5	5987	6	2520	7	5395	5	10.53	-	-	1.09
3	PAC 70001	8259	4	7779	3	3348	2	6462	3	18.89	28.73	10.82	21.08
4	BIO - 92109	9259	2	8450	2	2714	6	6808	2	33.30	39.84	-	27.56
	CHECKS:												
5	PEHM - 2	6946	6	6043	5	3021	5	5337	6	-	-	-	-
6	MAHI KANCHAN	5694	8	4622	8	3720	1	4679	8	-	-	23.11	-
7	MEGHA	6658	7	5720	7	3029	4	5136	7	-	-	0.25	-
8	X - 3342	8772	3	6437	4	3327	3	6179	4	26.29	6.53	10.13	15.78
	MEAN YIELD=	7910		6850		2969		5910					
	MEAN STAND	41		61		29		44					
	C.D. AT 5%=	919		818		899		878					
	C.V. % =	7.94		6.86		20.70		-					
	F (Prob)	.000		.000		.002							
	PLOT SIZE=	7.20		9.60		6.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	4-07		6-07		13-07		-					
	HARVEST DATE(2002)	31-10		12-11		17-10		-					
	IRRIGATION Nos	-		2		-		-					
	FERTILIZER APPLIED N	80		120		80		-					
	P	60		60		40		-					
	K	40		40		40		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMAI 64.5%

TABLE NO. 17 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN ZN 1 MEAN				MEGHA ZN 1 MEAN			
		ALMO	BAJA	JORH		ALMO	BAJA	JORH	
1	SEEDTEC - 1204	75.90	111.30	-	55.69	50.42	70.75	-	41.83
2	PAC 70002	34.86	29.52	-	15.31	15.32	4.67	-	5.05
3	PAC 70001	45.05	68.28	-	38.12	24.04	35.99	10.55	25.83
4	BIO - 92109	62.63	82.80	-	45.51	39.07	47.73	-	32.56
	CHECKS:								
5	PEHM - 2	22.00	30.73	-	14.07	4.33	5.64	-	3.92
6	MAHI KANCHAN	-	-	-	-	-	-	22.81	-
7	MEGHA	16.94	23.75	-	9.77	-	-	-	-
8	X - 3342	54.08	39.26	-	32.07	31.76	12.54	9.86	20.32

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 ZN 1				DAYS TO 50 % POLLEN SHED ZN 1			
		ALMO	BAJA	JORH	MEAN	ALMO	BAJA	JORH	MEAN
1	SEEDTEC - 1204	14.17	51.73	-	17.88	57.3	60.3	47.5	55.0
2	PAC 70002	-	-	-	-	56.8	65.3	48.0	56.7
3	PAC 70001	-	20.84	0.63	4.58	53.8	58.7	48.8	53.7
4	BIO - 92109	5.55	31.27	-	10.18	54.8	57.7	48.8	53.7
	CHECKS:								
5	PEHM - 2	-	-	-	-	53.8	61.7	48.8	54.7
6	MAHI KANCHAN	-	-	11.79	-	52.8	58.0	49.5	53.4
7	MEGHA	-	-	-	-	55.8	60.0	53.8	56.5
8	X - 3342	-	-	-	-	53.5	60.3	48.5	54.1
	MEAN LOCATION	-	-	-	-	54.8	60.3	49.2	54.7
	C.D. AT 5%=	-	-	-	-	1.2	4.6	1.2	2.3
	C.V. % =	-	-	-	-	1.4	4.4	1.7	-
	F (Prob)	-	-	-	-	.000	.059	.000	-

TABLE NO. 17 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ALMO	BAJA	JORH	ZN 1 MEAN	DAYS TO 50 % DRY HUSK ALMO	BAJA	JORH	ZN 1 MEAN	MOISTURE % AT HARVEST ALMO	BAJA	JORH	ZN 1 MEAN
1	SEEDTEC - 1204	58.5	62.3	52.0	57.6	103.8	109.7	86.8	100.1	39.8	29.0	25.3	31.4
2	PAC 70002	58.3	67.7	52.8	59.6	101.5	107.0	87.3	98.6	37.3	35.7	24.8	32.6
3	PAC 70001	55.0	61.7	53.5	56.7	98.5	106.7	88.5	97.9	36.1	29.0	26.2	30.4
4	BIO - 92109	55.5	60.3	53.0	56.3	101.5	107.0	89.0	99.2	35.7	27.8	25.2	29.6
	CHECKS:												
5	PEHM - 2	55.5	64.0	53.3	57.6	102.0	108.7	88.5	99.7	33.0	26.0	25.0	28.0
6	MAHI KANCHAN	54.5	61.0	54.3	56.6	96.5	106.7	88.5	97.2	31.8	28.8	26.0	28.9
7	MEGHA	56.3	62.3	57.0	58.5	98.5	106.0	89.8	98.1	32.8	27.5	25.0	28.4
8	X - 3342	54.5	62.3	53.0	56.6	97.0	105.7	88.3	97.0	31.4	27.6	24.3	27.8
	MEAN LOCATION	56.0	62.7	53.6	57.4	99.9	107.2	88.3	98.5	34.7	28.9	25.2	29.6
	C.D. AT 5%=	0.9	4.7	1.5	2.4	2.2	3.5	1.3	2.3	1.4	1.4	0.7	1.2
	C.V. % =	1.0	4.3	1.9	-	1.5	1.8	1.0	-	2.8	2.7	1.9	-
	F (Prob)	.000	.109	.000	-	.000	.287	.003	-	.000	.000	.000	-

Sl No	PEDIGREE	PLANT ASPECT * ALMO	BAJA	JORH	ZN 1 MEAN	EAR ASPECT * ALMO	BAJA	JORH	ZN 1 MEAN	HUSK COVER * ALMO	BAJA	JORH	ZN 1 MEAN
1	SEEDTEC - 1204	2.3	1.7	1.7	1.9	2.0	1.5	1.7	1.7	1.6	2.3	2.2	2.0
2	PAC 70002	2.4	2.2	1.8	2.1	2.3	2.2	1.9	2.1	1.9	2.5	2.2	2.2
3	PAC 70001	2.3	2.5	2.1	2.3	2.4	1.7	1.8	2.0	2.0	2.5	2.0	2.2
4	BIO - 92109	2.5	1.8	2.0	2.1	2.2	1.5	1.7	1.8	1.5	2.5	2.0	2.0
	CHECKS:												
5	PEHM - 2	2.7	2.5	1.9	2.3	2.6	2.2	1.7	2.1	2.4	2.5	2.0	2.3
6	MAHI KANCHAN	2.8	2.7	2.0	2.5	2.7	2.5	1.8	2.4	1.9	3.0	2.2	2.4
7	MEGHA	2.8	2.7	2.1	2.5	2.7	2.2	1.8	2.2	1.7	2.2	2.2	2.0
8	X - 3342	2.5	2.3	1.9	2.2	2.3	2.0	1.8	2.1	1.9	2.5	2.2	2.2
	MEAN LOCATION	2.5	2.3	1.9	2.3	2.4	2.0	1.8	2.0	1.9	2.5	2.1	2.2
	C.D. AT 5%=	0.1	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.3	0.2	0.3	0.3
	C.V. % =	4.0	10.0	12.2	-	6.3	10.4	11.3	-	10.6	5.6	9.4	-
	F (Prob)	.000	.000	.158	-	.000	.000	.738	-	.000	.000	.413	-

TABLE NO. 17 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ALMO	BAJA	JORH	ZN 1 MEAN	PLANT HEIGHT (cm) ALMO	BAJA	JORH	ZN 1 MEAN	EAR HEIGHT (cm) ALMO	BAJA	JORH	ZN 1 MEAN
1	SEEDTEC - 1204	2.6	2.0	2.0	2.2	254	198	166	206	112	92	58	87
2	PAC 70002	2.6	2.2	1.9	2.2	239	199	168	202	116	91	62	90
3	PAC 70001	2.3	2.0	1.9	2.0	247	212	175	211	105	90	74	90
4	BIO - 92109	2.6	1.8	2.0	2.1	258	187	165	203	121	90	65	92
	CHECKS:												
5	PEHM - 2	2.7	2.5	2.0	2.4	247	190	164	200	122	95	64	93
6	MAHI KANCHAN	3.0	2.5	1.7	2.4	241	194	130	188	120	93	44	86
7	MEGHA	3.0	2.7	2.0	2.5	259	202	148	203	135	108	54	99
8	X - 3342	2.5	2.3	2.0	2.3	241	203	173	206	118	88	64	90
	MEAN LOCATION	2.7	2.3	1.9	2.3	248	198	161	202	118	94	60	91
	C.D. AT 5%=	0.2	0.4	0.4	0.3	10.1	30.0	9.5	16.5	8.6	27.0	8.7	14.8
	C.V. % =	4.3	9.2	13.1	-	2.8	8.7	4.0	-	4.9	16.5	9.8	-
	F (Prob)	.000	.002	.753	-	.001	.717	.000	-	.000	.813	.000	-

Sl No	PEDIGREE	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN	PHYSO -DERMA* ALMO	EAR No. /PLANT ALMO	STAND AT HARVEST ALMO	BAJA	JORH
1	SEEDTEC - 1204	1.0	1.5	1.3	1.5	1.3	1.4	2.0	1.03	39	50	27
2	PAC 70002	1.1	1.8	1.5	1.0	1.3	1.2	1.6	1.04	40	59	25
3	PAC 70001	1.3	1.7	1.5	1.5	1.5	1.5	1.8	1.03	41	59	33
4	BIO - 92109	1.3	1.3	1.3	1.5	1.3	1.4	2.7	1.03	41	68	34
	CHECKS:											
5	PEHM - 2	1.9	2.5	2.2	1.7	1.3	1.5	2.0	1.02	40	65	26
6	MAHI KANCHAN	3.1	2.7	2.9	2.0	1.7	1.8	2.2	1.11	39	64	30
7	MEGHA	1.8	2.7	2.2	1.8	1.5	1.6	2.4	1.04	42	64	33
8	X - 3342	1.2	1.8	1.5	1.3	1.3	1.3	2.2	1.02	44	63	25
	MEAN LOCATION	1.6	2.0	1.8	1.5	1.4	1.5	2.1	1.04	41	61	29
	C.D. AT 5%=	0.3	0.6	0.4	0.5	0.5	0.5	0.4	0.1	4.7	5.6	4.6
	C.V. % =	14.6	16.0	-	20.3	18.7	-	13.0	5.8	7.8	5.2	10.8
	F (Prob)	.000	.000	-	.007	.686	-	.001	.521	.293	.000	.000

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 18

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT BELIPAR GORAKHPUR, DHOLI, RANCHI, JASHIPUR, AMBIKAPUR IN AET 1st YEAR, TRIAL No. TR67_3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GORA BELI	R	DHOL	R	RANC	R	JASH	R	AMBI	R	ZN 3 MEAN	R
1	R - 9803	5286	2	1177	2	4487	2	5984	2	3230	5	4033	3
	CHECKS:												
2	MEGHA	4682	4	1162	3	3943	3	5354	5	3850	3	3798	4
3	PEHM - 2	5599	1	1138	4	3291	5	5516	3	5485	2	4206	2
4	MAHI KANCHAN	3942	5	1109	5	3702	4	5417	4	3750	4	3584	5
5	X - 3342	4841	3	1469	1	4950	1	6422	1	6666	1	4869	1
	MEAN YIELD=	4870		1211		4075		5738		4596		4098	
	MEAN STAND	71		54		70		61		66		65	
	C.D. AT 5%=	372		380		1252		277		728		602	
	C.V. % =	5.04		20.72		20.26		3.18		10.44		-	
	F (Prob)	.000		.024		.338		.000		.000			
	PLOT SIZE=	12.00		15.00		14.00		12.00		15.00		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	2-07		25-07		6-07		28-06		27-06		-	
	HARVEST DATE(2002)	4-10		31-10		15-10		9-10		-		-	
	IRRIGATION Nos	-		-		2		-		-		-	
	FERTILIZER APPLIED N	120		100		100		120		100		-	
	P	60		60		60		60		50		-	
	K	60		40		40		60		25		-	

TABLE NO. 18 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MEGHA GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	12.91	1.29	13.79	11.77	-	6.18
	CHECKS:						
2	MEGHA	-	-	-	-	-	-
3	PEHM - 2	19.58	-	-	3.03	42.45	10.73
4	MAHI KANCHAN	-	-	-	1.17	-	-
5	X - 3342	3.39	26.46	25.52	19.95	73.13	28.21

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM - 2 GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	-	3.41	36.35	8.48	-	-
	CHECKS:						
2	MEGHA	-	2.09	19.83	-	-	-
3	PEHM - 2	-	-	-	-	-	-
4	MAHI KANCHAN	-	-	12.50	-	-	-
5	X - 3342	-	29.11	50.41	16.43	21.54	15.78

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	34.10	6.07	21.20	10.47	-	12.53
	CHECKS:						
2	MEGHA	18.77	4.72	6.52	-	2.68	5.98
3	PEHM - 2	42.03	2.57	-	1.83	46.27	17.35
4	MAHI KANCHAN	-	-	-	-	-	-
5	X - 3342	22.80	32.43	33.70	18.56	77.77	35.87

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	9.20	-	-	-	-	-
	CHECKS:						
2	MEGHA	-	-	-	-	-	-
3	PEHM - 2	15.66	-	-	-	-	-
4	MAHI KANCHAN	-	-	-	-	-	-
5	X - 3342	-	-	-	-	-	-

TABLE NO. 18 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % SILKING GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	57.5	52.8	48.5	46.0	51.3	51.2	59.8	55.0	52.5	48.8	55.8	54.3
	CHECKS:												
2	MEGHA	54.3	52.0	48.3	45.8	51.8	50.4	57.0	54.8	52.3	50.0	56.5	54.1
3	PEHM - 2	54.5	52.0	49.8	46.5	52.0	51.0	57.8	54.8	53.8	50.3	57.0	54.7
4	MAHI KANCHAN	54.8	52.3	48.0	45.8	51.0	50.3	57.3	54.5	52.3	49.5	56.0	53.9
5	X - 3342	53.3	50.5	49.0	46.5	51.3	50.1	56.0	54.0	53.0	49.8	55.8	53.7
	MEAN LOCATION	54.8	51.9	48.7	46.1	51.5	50.6	57.5	54.6	52.8	49.7	56.2	54.2
	C.D. AT 5%=	1.0	1.8	1.4	1.2	1.4	1.4	1.0	1.3	1.4	1.3	1.3	1.3
	C.V. % =	1.2	2.3	1.9	1.7	1.8	-	1.2	1.5	1.8	1.7	1.5	-
	F (Prob)	.000	.154	.125	.496	.564	-	.000	.519	.176	.172	.241	-

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN	MOISTURE % AT HARVEST GORA BELI	DHOL	RANC	JASH	ZN 3 MEAN
1	R - 9803	91.5	82.8	82.5	88.0	99.0	88.8	27.4	21.4	29.0	22.1	25.0
	CHECKS:											
2	MEGHA	84.5	82.0	82.5	86.8	99.3	87.0	26.9	21.7	30.8	22.3	25.4
3	PEHM - 2	87.8	81.5	84.0	88.8	99.0	88.2	26.2	23.4	31.7	22.3	25.9
4	MAHI KANCHAN	85.0	80.5	82.0	85.3	98.3	86.2	26.7	21.8	23.3	22.3	23.5
5	X - 3342	84.3	82.0	83.5	85.8	99.3	86.9	25.7	22.0	24.1	22.3	23.5
	MEAN LOCATION	86.6	81.8	82.9	86.9	98.9	87.4	26.6	22.0	27.8	22.3	24.7
	C.D. AT 5%=	2.0	0.8	1.5	1.4	1.0	1.3	0.7	1.6	0.5	0.1	0.7
	C.V. % =	1.5	0.7	1.1	1.1	0.7	-	1.8	4.8	1.2	0.2	-
	F (Prob)	.000	.001	.063	.001	.256	-	.004	.142	.000	.000	-

TABLE NO. 18 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * GORA BELI	DHOL	ZN 3 MEAN	EAR ASPECT * GORA BELI	DHOL	JASH	ZN 3 MEAN	HUSK COVER * GORA BELI	JASH	ZN 3 MEAN
1	R - 9803	2.4	3.3	2.8	2.0	2.8	2.0	2.3	2.1	2.0	2.1
	CHECKS:										
2	MEGHA	2.0	3.0	2.5	2.4	3.3	2.3	2.6	2.3	2.0	2.1
3	PEHM - 2	2.0	3.0	2.5	2.0	3.0	2.3	2.4	1.9	2.8	2.3
4	MAHI KANCHAN	2.1	3.9	3.0	3.0	3.5	3.5	3.3	1.8	3.0	2.4
5	X - 3342	1.6	2.6	2.1	2.0	2.9	1.5	2.1	1.8	1.5	1.6
	MEAN LOCATION	2.0	3.2	2.6	2.3	3.1	2.3	2.6	2.0	2.3	2.1
	C.D. AT 5%=	0.3	1.0	0.7	0.2	0.8	0.8	0.6	0.5	0.5	0.5
	C.V. % =	10.3	21.0	-	4.9	16.9	22.8	-	15.3	14.1	-
	F (Prob)	.004	.167	-	.000	.312	.002	-	.118	.000	-

Sl No	PEDIGREE	UNIFORMITY * GORA BELI	DHOL	JASH	ZN 3 MEAN	PLANT HEIGHT (cm) GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	1.9	3.5	2.5	2.6	139	126	184	183	204	167
	CHECKS:										
2	MEGHA	2.4	3.8	2.8	3.0	161	156	188	198	217	184
3	PEHM - 2	1.9	3.5	3.3	2.9	148	131	176	176	204	167
4	MAHI KANCHAN	2.0	3.9	4.0	3.3	148	129	176	184	205	168
5	X - 3342	1.9	3.3	2.5	2.5	164	135	178	185	213	175
	MEAN LOCATION	2.0	3.6	3.0	2.9	152	135	180	185	209	172
	C.D. AT 5%=	0.6	0.5	0.7	0.6	16.5	31.4	10.2	7.3	13.8	15.9
	C.V. % =	18.5	9.7	15.8	-	7.1	15.1	3.7	2.5	4.3	-
	F (Prob)	.304	.164	.003	-	.038	.291	.104	.001	.164	-

TABLE NO. 18 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN	H.maydis * GORA BELI	JASH	ZN 3 MEAN	BLSB * JASH
1	R - 9803	56	53	83	86	81	72	1.3	2.3	1.8	2.3
	CHECKS:										
2	MEGHA	77	71	90	104	90	86	1.8	2.8	2.3	2.1
3	PEHM - 2	67	61	86	87	74	75	1.5	1.9	1.7	2.0
4	MAHI KANCHAN	65	47	81	83	71	69	2.3	3.5	2.9	2.4
5	X - 3342	74	62	81	85	86	77	1.6	1.4	1.5	2.4
	MEAN LOCATION	68	59	84	89	80	76	1.7	2.3	2.0	2.2
	C.D. AT 5%=	13.8	16.1	10.7	6.6	12.8	12.0	0.4	0.7	0.6	0.6
	C.V. % =	13.2	17.8	8.2	4.8	10.3	-	16.3	19.1	-	17.8
	F (Prob)	.050	.060	.319	.000	.038	-	.003	.000	-	.619

Sl No	PEDIGREE	EAR No./PLANT GORA BELI	RANC	AMBI	ZN 3 MEAN	STAND AT HARVEST GORA BELI	DHOL	RANC	JASH	AMBI	ZN 3 MEAN
1	R - 9803	0.99	0.91	1.01	0.97	69	51	68	61	67	63
	CHECKS:										
2	MEGHA	0.97	0.96	0.99	0.97	76	55	74	63	58	65
3	PEHM - 2	0.98	1.01	1.14	1.04	68	55	77	61	72	66
4	MAHI KANCHAN	0.99	0.96	1.02	0.99	70	46	66	57	65	61
5	X - 3342	0.98	0.91	1.04	0.98	74	65	67	64	72	68
	MEAN LOCATION	-	-	-	-	71	54	70	61	66	65
	C.D. AT 5%=	-	-	-	-	4.6	11.6	9.2	4.2	5.6	7.0
	C.V. % =	-	-	-	-	4.2	13.8	8.5	4.5	5.5	-
	F (Prob)	-	-	-	-	.018	.043	.087	.020	.001	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 19

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ARBHAVI, MANDYA, COIMBATORE, IN AET 1st YEAR, TRIAL No. TR67_4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ARBH	R	MAND	R	COIM	R	ZN 4 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE MEGHA ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	4992	5	9898	1	5546	8	6812	5	14.79	71.79	4.22	32.43
2	BIO - 92109	5151	4	9694	2	5873	4	6906	4	18.44	68.25	10.37	34.25
3	SEEDTEC - 1202	5424	3	8927	5	6561	2	6971	3	24.72	54.94	23.30	35.51
4	BISCO - 208	6731	1	9424	3	6479	3	7544	1	54.76	63.56	21.75	46.66
5	BIO - 92136	6129	2	9299	4	5850	5	7093	2	40.92	61.39	9.94	37.88
	CHECKS:												
6	MEGHA	4349	8	5762	8	5321	9	5144	8	-	-	-	-
7	P E H M - 2	4502	7	6600	7	7312	1	6138	6	3.50	14.54	37.41	19.32
8	MAHI KANCHAN	4284	9	5305	9	5790	6	5127	9	-	-	8.81	-
9	X - 3342	4870	6	7184	6	5552	7	5869	7	11.98	24.68	4.34	14.09
	MEAN YIELD=	5159		8010		6032		6400					
	MEAN STAND	79		78		76		77					
	C.D. AT 5%=	1668		1604		972		1415					
	C.V. % =	22.25		11.62		11.09		-					
	F (Prob)	.013		.000		.003		-					
	PLOT SIZE=	15.00		14.00		15.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	25-07		25-07		5-07		-					
	HARVEST DATE(2002)	15-11		19-11		14-10		-					
	IRRIGATION Nos	6		5		8		-					
	FERTILIZER APPLIED N	150		150		135		-					
	P	75		75		63		-					
	K	38		40		50		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : KOLH 35.5%

TABLE NO. 19 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM - 2 ARBH	MAND	COIM	ZN 4 MEAN	MAHI KANCHAN ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	10.90	49.98	-	10.99	16.53	86.57	-	32.88
2	BIO - 92109	14.43	46.89	-	12.52	20.24	82.73	1.43	34.71
3	SEEDTEC - 1202	20.50	35.26	-	13.57	26.62	68.27	13.32	35.98
4	BISCO - 208	49.52	42.79	-	22.92	57.11	77.63	11.89	47.17
5	BIO - 92136	36.14	40.90	-	15.56	43.06	75.28	1.03	38.35
	CHECKS:								
6	MEGHA	-	-	-	-	1.52	8.60	-	0.34
7	P E H M - 2	-	-	-	-	5.08	24.40	26.28	19.73
8	MAHI KANCHAN	-	-	-	-	-	-	-	-
9	X - 3342	8.19	8.85	-	-	13.68	35.41	-	14.48

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 ARBH	MAND	COIM	ZN 4 MEAN	DAYS TO 50 % POLLEN SHED ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	2.51	37.78	-	16.07	54.8	48.7	51.5	51.6
2	BIO - 92109	5.76	34.94	5.78	17.67	57.8	49.3	53.5	53.5
3	SEEDTEC - 1202	11.38	24.26	18.17	18.78	57.0	50.3	51.5	52.9
4	BISCO - 208	38.20	31.18	16.68	28.55	60.0	52.7	54.5	55.7
5	BIO - 92136	25.84	29.44	5.37	20.85	54.8	49.3	50.5	51.5
	CHECKS:								
6	MEGHA	-	-	-	-	55.0	50.3	49.0	51.4
7	P E H M - 2	-	-	31.70	4.58	54.8	48.7	51.0	51.5
8	MAHI KANCHAN	-	-	4.29	-	54.0	45.3	48.5	49.3
9	X - 3342	-	-	-	-	54.8	48.3	49.0	50.7
	MEAN LOCATION	-	-	-	-	55.9	49.2	51.0	52.0
	C.D. AT 5%=	-	-	-	-	1.4	3.6	1.1	2.0
	C.V. % =	-	-	-	-	1.7	4.2	1.5	-
	F (Prob)	-	-	-	-	.000	.043	.000	-

TABLE NO. 19 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ARBH	MAND	COIM	ZN 4 MEAN	DAYS TO 50 % DRY HUSK MAND	COIM	ZN 4 MEAN	MOISTURE % AT HARVEST ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	55.8	52.7	53.5	54.0	93.0	98.0	95.5	17.4	20.8	16.4	18.2
2	BIO - 92109	58.0	51.3	55.5	54.9	92.0	96.3	94.1	17.3	20.9	17.6	18.6
3	SEEDTEC - 1202	56.8	52.3	53.8	54.3	93.0	94.0	93.5	17.3	20.0	15.8	17.7
4	BISCO - 208	60.3	55.0	56.5	57.3	93.0	97.8	95.4	22.5	21.2	16.2	20.0
5	BIO - 92136	55.8	51.3	53.0	53.4	90.7	96.0	93.3	17.0	21.0	16.7	18.2
	CHECKS:											
6	MEGHA	57.8	54.3	52.5	54.9	92.0	95.0	93.5	17.3	20.7	15.8	18.0
7	P E H M - 2	57.0	51.7	53.8	54.1	92.3	96.5	94.4	17.5	20.5	15.5	17.9
8	MAHI KANCHAN	54.8	48.7	51.5	51.6	90.7	92.0	91.3	16.2	20.9	17.1	18.1
9	X - 3342	55.5	50.0	52.3	52.6	90.0	94.5	92.3	17.5	20.3	17.2	18.3
	MEAN LOCATION	56.8	51.9	53.6	54.1	91.9	95.6	93.7	17.8	20.7	16.5	18.3
	C.D. AT 5%=	2.1	3.7	1.3	2.3	1.9	0.9	1.4	1.0	1.8	1.1	1.3
	C.V. % =	2.5	4.1	1.7	-	1.2	0.7	-	4.0	5.0	4.5	-
	F (Prob)	.000	.050	.000	-	.021	.000	-	.000	.924	.007	-

Sl No	PEDIGREE	PLANT ASPECT * ARBH	MAND	COIM	ZN 4 MEAN	EAR ASPECT * ARBH	MAND	COIM	ZN 4 MEAN	HUSK COVER * ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	2.5	1.0	1.5	1.7	2.5	1.3	1.5	1.8	2.8	1.0	2.0	1.9
2	BIO - 92109	2.8	1.3	1.0	1.7	2.3	1.7	2.0	2.0	2.3	1.7	2.0	2.0
3	SEEDTEC - 1202	2.5	1.0	2.0	1.8	2.5	2.0	1.3	1.9	2.3	1.7	1.8	1.9
4	BISCO - 208	2.0	1.3	1.5	1.6	2.0	1.3	1.5	1.6	2.0	1.3	2.0	1.8
5	BIO - 92136	2.3	1.7	2.0	2.0	2.3	1.7	2.8	2.2	2.5	2.3	2.3	2.4
	CHECKS:												
6	MEGHA	2.8	2.7	2.0	2.5	2.5	3.0	1.3	2.3	2.5	2.3	1.8	2.2
7	P E H M - 2	3.0	2.7	2.0	2.6	2.8	2.3	1.0	2.0	2.0	2.0	2.0	2.0
8	MAHI KANCHAN	3.0	2.7	2.3	2.6	3.0	3.0	2.5	2.8	2.5	2.7	2.0	2.4
9	X - 3342	2.5	2.0	2.0	2.2	2.5	2.0	1.0	1.8	2.5	2.0	2.0	2.2
	MEAN LOCATION	2.6	1.8	1.8	2.1	2.5	2.0	1.6	2.0	2.4	1.9	2.0	2.1
	C.D. AT 5%=	0.3	0.8	0.5	0.5	0.2	0.8	0.6	0.5	0.3	0.8	0.6	0.6
	C.V. % =	8.0	24.0	17.7	-	5.0	21.4	25.8	-	10.1	25.7	20.6	-
	F (Prob)	.000	.000	.000	-	.000	.001	.000	-	.002	.015	.808	-

TABLE NO. 19 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ARBH	MAND	COIM	ZN 4 MEAN	PLANT HEIGHT (cm) MAND	COIM	ZN 4 MEAN	EAR HEIGHT (cm) MAND	COIM	ZN 4 MEAN
1	PAC 70001	2.5	1.3	1.0	1.6	208	189	198	97.0	83.0	90.0
2	BIO - 92109	2.8	2.0	3.0	2.6	210	168	189	100.0	77.8	88.9
3	SEEDTEC - 1202	2.5	1.3	2.0	1.9	190	177	183	88.7	78.3	83.5
4	BISCO - 208	2.3	1.0	2.5	1.9	187	194	190	93.3	86.3	89.8
5	BIO - 92136	2.0	2.3	2.5	2.3	205	196	201	96.3	79.3	87.8
	CHECKS:										
6	MEGHA	3.0	3.3	3.0	3.1	201	191	196	103.3	90.5	96.9
7	P E H M - 2	3.0	3.0	2.0	2.7	197	184	190	97.0	81.8	89.4
8	MAHI KANCHAN	3.0	2.7	2.0	2.6	205	175	190	96.3	87.5	91.9
9	X - 3342	2.5	2.0	3.0	2.5	198	170	184	93.3	70.3	81.8
	MEAN LOCATION	2.6	2.1	2.3	2.4	200	183	191	96.1	81.6	88.9
	C.D. AT 5%=	0.2	0.7	0.6	0.5	11.2	9.2	10.2	8.0	1.7	4.9
	C.V. % =	5.7	19.3	18.4	-	3.2	3.5	-	4.8	1.4	-
	F (Prob)	.000	.000	.000	-	.005	.000	-	.060	.000	-

Sl No	PEDIGREE	EAR No./PLANT MAND	COIM	ZN 4 MEAN	STAND AT HARVEST ARBH	MAND	COIM	ZN 4 MEAN
1	PAC 70001	0.99	1.00	1.00	78	79	76	77
2	BIO - 92109	0.98	1.00	0.99	75	79	76	77
3	SEEDTEC - 1202	0.94	1.00	0.97	81	80	75	79
4	BISCO - 208	0.98	1.01	0.99	68	79	75	74
5	BIO - 92136	1.00	1.01	1.00	89	78	76	81
	CHECKS:							
6	MEGHA	1.01	1.00	1.01	80	74	75	76
7	P E H M - 2	0.95	1.00	0.97	85	77	76	79
8	MAHI KANCHAN	0.98	1.00	0.99	62	70	76	69
9	X - 3342	0.96	1.01	0.98	91	83	75	83
		-	-	-	79	78	76	77
	C.D. AT 5%=	-	-	-	11.2	9.3	0.9	7.1
	C.V. % =	-	-	-	9.8	6.9	0.8	-
	F (Prob)	-	-	-	.000	.212	.062	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 20

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN AET 1st YEAR, TRIAL No. TR67_5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5 MEAN	R
		UDAI	R	BANS	R	GODH	R	CHHI	R		
1	R - 9803	5961	4	1724	8	3145	6	1862	5	3173	6
2	F H - 3161	7131	2	2567	1	3710	3	2504	2	3978	2
3	SEEDTEC - 1202	6921	3	1761	6	4185	2	2622	1	3872	3
4	BIO - 92136	8579	1	1741	7	3277	5	2335	3	3983	1
	CHECKS:										
5	MEGHA	4347	7	1930	5	2921	7	1597	8	2699	7
6	P E H M - 2	5476	5	2267	3	3440	4	1710	7	3223	5
7	MAHI KANCHAN	4471	6	2013	4	2443	8	1806	6	2683	8
8	X - 3342	4221	8	2565	2	4349	1	2170	4	3326	4
	MEAN YIELD=	5888		2071		3434		2076		3367	
	MEAN STAND	63		39		50		31		46	
	C.D. AT 5%=	608		490		657		618		593	
	C.V. % =	7.05		16.19		13.09		20.37		-	
	F (Prob)	.000		.001		.000		.092			
	PLOT SIZE=	12.00		12.00		12.00		12.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	3-07		20-07		5-07		29-06		-	
	HARVEST DATE(2002)	1-10		24-10		8-10		14-10		-	
	IRRIGATION Nos	2		-		-		-		-	
	FERTILIZER APPLIED N	-		80		100		100		-	
	P	-		60		50		50		-	
	K	-		-		-		30		-	

TABLE NO. 20 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD THE MEGHA UDAI	% SUPERIORITY OVER MEGHA BANS	GODH	CHHI	ZN 5 MEAN	GRAIN YIELD THE PEHM-2 UDAI	% SUPERIORITY OVER PEHM-2 BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	37.12	-	7.65	16.55	17.56	8.85	-	-	8.90	-
2	F H - 3161	64.05	32.97	27.01	56.75	47.39	30.23	13.22	7.86	46.46	23.42
3	SEEDTEC - 1202	59.22	-	43.25	64.14	43.47	26.39	-	21.66	53.37	20.14
4	BIO - 92136	97.37	-	12.16	46.17	47.56	56.67	-	-	36.58	23.57
	CHECKS:										
5	MEGHA	-	-	-	-	-	-	-	-	-	-
6	P E H M - 2	25.98	17.44	17.75	7.02	19.42	-	-	-	-	-
7	MAHI KANCHAN	2.84	4.28	-	13.08	-	-	-	-	5.66	-
8	X - 3342	-	32.86	48.88	35.87	23.24	-	13.13	26.43	26.96	3.20

Sl No	PEDIGREE	GRAIN YIELD THE MAHI KANCHAN UDAI	% SUPERIORITY OVER MAHI KANCHAN BANS	GODH	CHHI	ZN 5 MEAN	GRAIN YIELD THE X - 3342 UDAI	% SUPERIORITY OVER X - 3342 BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	33.33	-	28.75	3.07	18.25	41.21	-	-	-	-
2	F H - 3161	59.52	27.51	51.90	38.62	48.26	68.94	0.08	-	15.37	19.59
3	SEEDTEC - 1202	54.82	-	71.32	45.15	44.32	63.96	-	-	20.80	16.41
4	BIO - 92136	91.91	-	34.13	29.26	48.44	103.25	-	-	7.58	19.74
	CHECKS:										
5	MEGHA	-	-	19.59	-	0.59	2.98	-	-	-	-
6	P E H M - 2	22.49	12.62	40.82	-	20.13	29.73	-	-	-	-
7	MAHI KANCHAN	-	-	-	-	-	5.91	-	-	-	-
8	X - 3342	-	27.41	78.05	20.15	23.97	-	-	-	-	-

TABLE NO. 20 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED					DAYS TO 50 % SILKING				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	50.8	41.8	47.0	53.0	48.1	52.3	45.8	51.8	54.0	50.9
2	F H - 3161	45.5	42.8	48.5	50.0	46.7	47.3	46.0	54.0	49.8	49.3
3	SEEDTEC - 1202	49.0	41.3	47.3	52.8	47.6	50.3	45.3	52.0	51.8	49.8
4	BIO - 92136	50.0	40.5	48.0	53.8	48.1	51.8	44.3	53.3	54.8	51.0
	CHECKS:										
5	MEGHA	50.5	40.8	48.3	53.8	48.3	52.5	44.3	52.5	55.3	51.1
6	P E H M - 2	49.5	41.5	48.8	54.0	48.4	51.8	46.0	53.3	55.0	51.5
7	MAHI KANCHAN	49.5	41.3	49.5	52.0	48.1	51.3	45.3	55.8	53.0	51.3
8	X - 3342	50.3	41.3	45.8	53.3	47.6	51.5	45.0	50.5	53.8	50.2
	MEAN LOCATION	49.4	41.4	47.9	52.8	47.9	51.1	45.2	52.9	53.4	50.6
	C.D. AT 5%=	1.2	1.7	2.8	2.1	1.9	1.1	2.1	3.6	1.7	2.1
	C.V. % =	1.7	2.8	3.9	2.7	-	1.5	3.1	4.7	2.1	-
	F (Prob)	.000	.250	.203	.013	-	.000	.477	.172	.000	-

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK					MOISTURE % AT HARVEST				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	80.0	71.0	75.8	88.0	78.7	18.1	16.0	17.2	15.4	16.7
2	F H - 3161	80.8	73.3	78.0	88.0	80.0	16.9	17.1	18.4	15.4	16.9
3	SEEDTEC - 1202	82.8	69.3	74.5	88.0	78.6	18.3	16.2	17.4	16.9	17.2
4	BIO - 92136	80.8	69.8	77.0	89.0	79.1	18.6	16.3	18.7	16.0	17.4
	CHECKS:										
5	MEGHA	78.3	71.5	76.8	86.5	78.3	18.1	16.6	19.1	16.3	17.5
6	P E H M - 2	79.3	73.5	76.3	87.5	79.1	17.1	16.6	16.2	15.9	16.5
7	MAHI KANCHAN	78.5	72.0	78.5	85.5	78.6	16.2	16.6	17.1	16.4	16.6
8	X - 3342	77.0	71.5	72.5	88.0	77.3	17.0	17.1	20.4	16.2	17.7
	MEAN LOCATION	79.7	71.5	76.2	87.6	78.7	17.5	16.6	18.1	16.0	17.1
	C.D. AT 5%=	1.7	3.4	4.7	1.2	2.7	0.7	0.4	1.3	0.4	0.7
	C.V. % =	1.4	3.2	4.2	0.9	-	2.6	1.8	4.9	1.8	-
	F (Prob)	.000	.170	.228	.000	-	.000	.000	.000	.000	-

TABLE NO. 20 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	2.2	2.0	2.4	1.5	2.0	2.8	2.3	2.9	1.8	2.4
2	F H - 3161	2.0	1.9	2.5	1.5	2.0	1.9	1.9	2.4	1.0	1.8
3	SEEDTEC - 1202	1.8	2.1	1.8	1.3	1.7	1.6	2.1	2.5	1.3	1.9
4	BIO - 92136	1.9	2.4	2.1	1.5	2.0	2.1	2.3	2.6	1.0	2.0
	CHECKS:										
5	MEGHA	2.3	2.3	2.8	1.5	2.2	3.0	2.1	2.9	1.8	2.4
6	P E H M - 2	2.0	2.0	2.1	1.5	1.9	2.0	2.0	2.8	1.5	2.1
7	MAHI KANCHAN	2.4	2.1	2.8	1.5	2.2	2.6	2.1	3.1	1.5	2.3
8	X - 3342	2.2	1.9	1.9	1.5	1.9	2.5	1.6	2.3	1.3	1.9
	MEAN LOCATION	2.1	2.1	2.3	1.5	2.0	2.3	2.0	2.7	1.4	2.1
	C.D. AT 5%=	0.4	0.3	0.6	0.1	0.4	0.5	0.4	0.5	0.2	0.4
	C.V. % =	12.9	10.4	17.5	4.9	-	14.1	12.4	13.5	10.5	-
	F (Prob)	.052	.039	.011	.001	-	.000	.034	.042	.000	-

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	1.9	2.4	2.4	1.0	1.9	2.4	2.0	2.6	1.0	2.0
2	F H - 3161	1.5	2.0	2.6	1.3	1.8	1.5	2.0	2.6	1.0	1.8
3	SEEDTEC - 1202	1.5	2.3	1.8	1.0	1.6	2.0	2.4	1.9	1.0	1.8
4	BIO - 92136	1.6	2.3	2.1	1.0	1.7	1.9	2.3	2.1	1.0	1.8
	CHECKS:										
5	MEGHA	2.1	2.3	2.8	1.3	2.1	2.9	2.3	3.0	1.3	2.3
6	P E H M - 2	2.0	2.1	2.3	1.3	1.9	2.3	2.3	2.3	1.0	2.0
7	MAHI KANCHAN	2.2	2.3	2.9	1.3	2.1	3.0	2.1	2.9	1.3	2.3
8	X - 3342	2.0	1.6	2.0	1.0	1.6	2.6	1.8	2.4	1.0	1.9
	MEAN LOCATION	1.8	2.1	2.3	1.1	1.9	2.3	2.1	2.5	1.1	2.0
	C.D. AT 5%=	0.4	0.4	0.7	0.2	0.4	0.4	0.4	0.7	0.1	0.4
	C.V. % =	16.6	11.9	19.5	13.7	-	11.9	12.8	18.3	8.9	-
	F (Prob)	.014	.013	.029	.024	-	.000	.081	.029	.001	-

TABLE NO. 20 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	239	171	175	139	181	118	73	78	68	84
2	F H - 3161	215	155	154	133	164	88	69	65	61	71
3	SEEDTEC - 1202	229	146	168	149	173	96	68	76	66	77
4	BIO - 92136	236	180	172	133	180	89	63	73	56	70
	CHECKS:										
5	MEGHA	266	183	183	150	195	139	99	84	74	99
6	P E H M - 2	238	150	173	141	175	106	68	78	73	81
7	MAHI KANCHAN	264	168	168	156	189	123	53	73	71	80
8	X - 3342	243	144	181	144	178	101	68	81	65	79
	MEAN LOCATION	241	162	172	143	179	107	70	76	67	80
	C.D. AT 5%=	33.0	8.6	15.5	12.8	17.5	25.7	7.9	10.6	11.9	14.0
	C.V. % =	9.3	3.6	6.2	6.1	-	16.2	7.7	9.5	12.1	-
	F (Prob)	.066	.000	.028	.008	-	.005	.000	.039	.083	-

Sl No	PEDIGREE	EAR No./PLANT UDAI	BANS	GODH	ZN 5 MEAN	STAND AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	R - 9803	1.01	1.10	1.02	1.04	59	40	47	22	42
2	F H - 3161	1.00	1.15	1.04	1.06	66	51	59	35	52
3	SEEDTEC - 1202	1.00	1.01	1.03	1.02	64	38	47	25	43
4	BIO - 92136	1.01	1.09	1.01	1.04	53	36	48	20	39
	CHECKS:									
5	MEGHA	1.02	0.99	1.02	1.01	63	38	54	37	48
6	P E H M - 2	0.98	1.02	1.01	1.00	77	35	56	45	53
7	MAHI KANCHAN	0.98	1.06	1.04	1.02	59	32	30	22	36
8	X - 3342	1.02	0.95	1.02	1.00	64	40	62	42	52
	MEAN LOCATION	-	-	-	-	63	39	50	31	46
	C.D. AT 5%=	-	-	-	-	8.7	7.7	11.6	14.0	10.5
	C.V. % =	-	-	-	-	9.4	13.5	15.6	30.7	-
	F (Prob)	-	-	-	-	.001	.003	.000	.004	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 21

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT LUDHIANA, KARNAL, PANTNAGAR IN AET 1st YEAR, TRIAL No. TR68_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R	GRAIN YIELD % SUPERIORITY OVER ZN 2 THE SURYA LUDH	KARN	PANT	MEAN
1	SEEDTEC - 1205	5471	1	4938	1	3960	1	4789	1	83.02	32.23	43.12	51.40
	CHECKS:												
2	SURYA	2989	3	3734	3	2767	2	3163	3	-	-	-	-
3	HIM - 129	3785	2	4042	2	2527	3	3451	2	26.63	8.23	-	9.11
	MEAN YIELD=	4082		4238		3085		3801					
	MEAN STAND	51		47		65		54					
	C.D. AT 5%=	1047		1023		512		861					
	C.V. % =	20.72		11.50		13.40		-					
	F (Prob)	.000		.007		.000		-					
	PLOT SIZE=	10.40		7.80		15.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	5-07		26-06		28-06		-					
	HARVEST DATE(2002)	16-10		21-09		11-10		-					
	IRRIGATION Nos	-		3		2		-					
	FERTILIZER APPLIED N	80		150		120		-					
	P	40		60		60		-					
	K	-		60		-		-					

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 LUDH	KARN	PANT	ZN 2 MEAN	DAYS TO 50% POLLEN SHED ZN 2 LUDH	KARN	MEAN
1	SEEDTEC - 1205	44.53	22.17	56.68	38.77	44.5	43.3	43.9
	CHECKS:							
2	SURYA	-	-	9.47	-	44.5	43.0	43.8
3	HIM - 129	-	-	-	-	42.5	41.3	41.9
	MEAN LOCATION	-	-	-	-	43.8	42.6	43.2
	C.D. AT 5%=	-	-	-	-	0.9	2.2	1.6
	C.V. % =	-	-	-	-	1.7	2.3	-
	F (Prob)	-	-	-	-	.001	.125	-

TABLE NO. 21 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SILKING				DRY HUSK	MOISTURE % AT HARVEST				PLANT HEIGHT (cm)			
		LUDH	KARN	PANT	ZN 2 MEAN	LUDH	LUDH	KARN	PANT	ZN 2 MEAN	LUDH	KARN	PANT	ZN 2 MEAN
1	SEEDTEC - 1205	45.8	45.3	51.5	47.6	81.0	22.7	12.9	25.5	20.3	159	193	193	182
	CHECKS:													
2	SURYA	46.5	45.0	52.5	48.0	78.7	22.0	12.7	24.7	19.8	157	183	186	175
3	HIM - 129	43.3	43.7	50.7	45.9	78.0	21.8	12.4	27.8	20.7	158	163	184	168
	MEAN LOCATION	45.2	44.7	51.6	47.1	79.2	22.1	12.7	26.0	20.3	158	180	188	175
	C.D. AT 5%=	1.0	2.4	1.2	1.6	2.6	0.3	0.4	1.8	0.8	19.8	22.7	8.8	17.1
	C.V. % =	1.7	2.4	1.9	-	2.5	1.1	1.4	5.4	-	9.8	5.6	3.6	-
	F (Prob)	.000	.250	.025	-	.063	.000	.120	.008	-	.960	.049	.083	-

Sl No	PEDIGREE	EAR HEIGHT (cm)				EAR No. /PLANT	STAND AT HARVEST			
		LUDH	KARN	PANT	ZN 2 MEAN	LUDH	LUDH	KARN	PANT	ZN 2 MEAN
1	SEEDTEC - 1205	92	98	84	91	0.97	60	48	65	58
	CHECKS:									
2	SURYA	83	97	75	85	1.11	40	44	57	47
3	HIM - 129	87	92	71	83	1.04	54	47	73	58
	MEAN LOCATION	87	96	77	86	-	51	47	65	54
	C.D. AT 5%=	18.2	18.9	7.0	14.7	-	6.0	4.5	9.3	6.6
	C.V. % =	16.2	8.7	7.1	-	-	9.0	4.3	11.1	-
	F (Prob)	.606	.630	.005	-	-	.000	.167	.010	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 22

PERFORMANCE OF RXTRA EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, KANGRA, BELIPAR GORAKHPUR, VARANASI, RANCHI, JASHIPUR, AMBIKAPUR, ARBHAVI, MANDYA, COIMBATORE, KOLHAPUR IN AET 1st YEAR, TRIAL No. TR68_134 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ALMO	R	KANG	R	ZN 1 MEAN	R	GORA BELI	R	VARA	R	RANC	R	JASH	R
1	F H - 3186	9817	2	4271	4	7044	2	4386	1	4561	1	3016	3	4144	1
2	F H - 3176(Z1&4)/	10373	1	5883	1	8128	1	-		-		-		-	
	VL 99 (Z3)	-		-		-		2973	3	3377	4	3241	2	3723	4
	CHECKS:														
3	SURYA	6827	4	4384	3	5605	4	2818	4	3504	3	2991	4	3912	3
4	HIM - 129	7850	3	5468	2	6659	3	3220	2	3639	2	3335	1	4132	2
	MEAN YIELD=	8717		5001		6859		3349		3770		3146		3978	
	MEAN STAND	43		76		60		69		70		51		62	
	C.D. AT 5%=	824		499		661		420		444		995		189	
	C.V. % =	7.82		7.40		-		8.06		8.74		20.33		3.92	
	F (Prob)	.000		.000		-		.000		.000		.772		.000	
	PLOT SIZE=	7.20		12.00		-		12.00		15.00		14.00		12.00	
	AGRONOMY DATA:														
	SOWING DATE(2002)	3-07		21-06		-		2-07		26-06		27-06		27-06	
	HARVEST DATE(2002)	26-10		20-09		-		1-10		30-09		1-10		5-10	
	IRRIGATION Nos	-		-		-		-		2		2		-	
	FERTILIZER APPLIED N	90		80		-		120		80		100		120	
	P	60		60		-		60		40		60		60	
	K	40		40		-		60		40		40		60	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMAI 34.1%

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		ZN 3										ZN 4		OV'L			
		AMBI	R	MEAN	R	ARBH	R	MAND	R	COIM	R	KOLH	R	MEAN	R	MEAN	R
1	F H - 3186	4016	1	4024	1	5659	1	7658	2	4330	2	3261	2	5227	2	5011	1
2	F H - 3176(Z1&4)/	-		-		4889	2	8301	1	4835	1	3596	1	5405	1	-	
	VL 99 (Z3)	3270	4	3317	4	-		-		-		-		-		-	
	CHECKS:																
3	SURYA	3577	2	3361	3	3537	4	6069	4	3449	4	2201	4	3814	4	3934	4
4	HIM - 129	3328	3	3531	2	3738	3	6287	3	4292	3	2778	3	4274	3	4370	3
	MEAN YIELD=	3548		3558		4456		7079		4227		2959		4680		4566	
	MEAN STAND	66		64		78		96		76		82		83		70	
	C.D. AT 5%=	935		597		1038		3444		586		566		1408		904	
	C.V. % =	21.81		-		19.27		25.20		11.48		15.83		-		-	
	F (Prob)	.040		-		.000		.024		.001		.000		-		-	
	PLOT SIZE=	15.00		-		15.00		17.50		15.00		12.00		-		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	26-06		-		25-07		25-07		19-07		20-07		-		-	
	HARVEST DATE(2002)	-		-		2-11		19-11		28-10		17-11		-		-	
	IRRIGATION Nos	-		-		6		5		8		-		-		-	
	FERTILIZER APPL.N	80		-		150		150		135		100		-		-	
	P	40		-		75		75		63		50		-		-	
	K	20		-		38		40		50		30		-		-	

TABLE NO. 22 (CONT.)

Sl N)	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI
1	F H - 3186	43.79	-	25.66	55.62	30.15	0.85	5.92	12.25
2	F H - 3176(Z1&4)/	51.94	34.20	45.00	-	-	-	-	-
	VL 99 (Z3)	-	-	-	5.50	-	8.38	-	-
	CHECKS:								
3	SURYA	-	-	-	-	-	-	-	-
4	HIM - 129	14.98	24.74	18.80	14.27	3.84	11.49	5.62	-

Sl N)	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	19.76	59.97	26.19	25.54	48.16	37.05	27.38
2	F H - 3176(Z1&4)/	-	38.23	36.78	40.16	63.38	41.72	-
	VL 99 (Z3)	-	-	-	-	-	-	-
	CHECKS:							
3	SURYA	-	-	-	-	-	-	-
4	HIM - 129	5.06	5.67	3.60	24.43	26.22	12.05	11.09

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI
1	F H - 3186	25.06	-	5.78	36.19	25.34	-	0.29	20.68
2	F H - 3176(Z1&4)/	32.14	7.59	22.06	-	-	-	-	-
	VL 99 (Z3)	-	-	-	-	-	-	-	-
	CHECKS:								
3	SURYA	-	-	-	-	-	-	-	7.51
4	HIM - 129	-	-	-	-	-	-	-	-

Sl N)	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	13.99	51.38	21.80	0.90	17.38	22.30	14.67
2	F H - 3176(Z1&4)/	-	30.80	32.02	12.64	29.44	26.47	-
	VL 99 (Z3)	-	-	-	-	-	-	-
	CHECKS:							
3	SURYA	-	-	-	-	-	-	-
4	HIM - 129	-	-	-	-	-	-	-

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	ARBH	MAND	COIM
1	F H - 3186	46.2	42.4	44.3	48.3	43.2	45.8	45.7	43.7	45.3	52.7	45.7	49.3
2	F H - 3176(Z1&4)/	47.2	42.0	44.6	-	-	-	-	-	-	52.8	45.7	49.2
	VL 99 (Z3)	-	-	-	47.3	44.8	47.0	45.2	43.0	45.4	-	-	-
	CHECKS:												
3	SURYA	50.2	43.8	47.0	47.8	44.8	46.3	48.7	46.2	46.7	52.7	46.0	50.0
4	HIM - 129	47.0	40.8	43.9	47.8	44.4	45.5	47.5	43.3	45.7	54.2	45.0	49.2
	MEAN LOCATION	47.6	42.3	44.9	47.8	44.3	46.1	46.8	44.0	45.8	53.1	45.6	49.4
	C.D. AT 5%=	0.6	1.0	0.8	0.8	1.0	1.4	1.3	2.1	1.3	4.3	0.9	0.6
	C.V. % =	1.1	1.7	-	1.1	1.6	1.9	2.3	3.9	-	6.6	1.0	1.1
	F (Prob)	.000	.000	-	.135	.011	.161	.000	.024	-	.853	.138	.046

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED KOLH	ZN 4 MEAN	OV'L MEAN	DAYS TO 50 % SILKING ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	F H - 3186	52.0	49.9	46.8	46.8	45.8	46.3	50.8	48.4	49.0	48.3	48.8	49.1
2	F H - 3176(Z1&4)/	53.7	50.3	-	48.2	44.4	46.3	-	-	-	-	-	-
	VL 99 (Z3)	-	-	-	-	-	-	49.8	50.0	50.5	48.7	48.3	49.5
	CHECKS:												
3	SURYA	53.2	50.5	48.1	51.3	47.4	49.4	50.5	51.0	50.3	53.0	51.5	51.3
4	HIM - 129	51.0	49.8	46.9	48.0	43.4	45.7	50.8	50.0	48.5	51.8	47.7	49.8
	MEAN LOCATION	52.5	50.1	47.2	48.6	45.3	46.9	50.4	49.8	49.6	50.5	49.1	49.9
	C.D. AT 5%=	1.0	1.7	-	0.6	1.1	0.9	0.7	1.4	1.3	2.3	2.3	1.6
	C.V. % =	1.5	-	-	1.1	1.7	-	0.8	2.0	1.7	3.6	3.9	-
	F (Prob)	.000	-	-	.000	.000	-	.024	.011	.020	.001	.016	-

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN	DAYS TO 50 % DRY HUSK ZN 1 ALMO	GORA BELI	VARA	RANC	JASH	AMBI
1	F H - 3186	55.3	47.0	52.2	54.0	52.1	49.7	97.2	80.3	85.6	78.5	80.8	98.3
2	F H - 3176(Z1&4)/	55.5	47.7	52.2	55.2	52.6	-	95.7	-	-	-	-	-
	VL 99 (Z3)	-	-	-	-	-	-	-	80.5	82.8	80.3	81.7	97.8
	CHECKS:												
3	SURYA	54.8	48.3	52.8	55.2	52.8	51.5	97.7	79.3	83.6	80.0	81.5	97.7
4	HIM - 129	56.5	46.3	52.2	53.0	52.0	49.8	92.8	78.8	84.0	78.5	81.5	98.7
	MEAN LOCATION	55.5	47.3	52.3	54.3	52.4	50.3	95.8	79.7	84.0	79.3	81.4	98.1
	C.D. AT 5%=	3.7	1.5	0.6	1.2	1.7	-	2.0	1.3	2.3	0.9	1.5	1.6
	C.V. % =	5.5	1.6	0.9	1.8	-	-	1.7	1.0	2.0	0.7	1.5	1.4
	F (Prob)	.811	.070	.072	.003	-	-	.000	.036	.112	.003	.670	.557

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 3 MEAN	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN	MOISTURE % AT HARVEST ALMO	KANG	ZN 1 MEAN
1	F H - 3186	84.7	90.0	94.0	86.7	90.2	87.9	30.0	22.8	26.4
2	F H - 3176(Z1&4)/	-	90.3	94.3	87.0	90.6	-	29.9	23.2	26.6
	VL 99 (Z3)	84.6	-	-	-	-	-	-	-	-
	CHECKS:									
3	SURYA	84.4	89.0	95.0	86.7	90.2	87.8	29.8	24.2	27.0
4	HIM - 129	84.3	89.3	95.0	85.0	89.8	87.1	29.5	23.0	26.2
	MEAN LOCATION	84.5	89.7	94.6	86.3	90.2	87.7	29.8	23.3	26.5
	C.D. AT 5%=	1.5	1.7	1.6	1.1	1.5	-	1.2	2.6	1.9
	C.V. % =	-	0.9	1.4	1.1	-	-	3.3	8.0	-
	F (Prob)	-	.285	.488	.008	-	-	.802	.650	-

TABLE NO. 22 (CONT.)

MOISTURE % AT HARVEST

Sl No	PEDIGREE	GORA BELI	VARA	RANC	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H 3186	24.6	29.5	28.6	20.3	25.8	17.2	19.5	16.2	12.5	16.4	22.1
2	F H - 3176(Z1&4)	-	-	-	-	-	17.8	20.3	17.4	12.5	17.0	
	VL 99 (Z3)	25.3	28.5	25.7	20.8	25.1	-	-	-		-	-
	CHECKS:											
3	SURYA	31.3	25.8	21.2	20.2	24.6	16.8	20.1	15.5	11.1	15.9	21.6
4	HIM - 129	24.6	26.9	25.6	20.4	24.4	16.3	19.5	15.8	11.1	15.7	21.3
	MEAN LOCATION	26.5	27.7	25.3	20.4	24.9	17.0	19.9	16.2	11.8	16.2	21.8
	C.D. AT 5%=	12.0	0.5	0.8	0.1	3.4	0.4	0.7	0.8	0.8	0.7	
	C.V. % =	28.4	1.3	1.9	0.5	-	1.7	1.8	4.0	5.6	-	-
	F (Prob)	.559	.000	.000	.000	-	.000	.082	.001	.001	-	-

PLANT ASPECT *

Sl No	PEDIGREE	ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	2.4	2.6	2.5	2.3	2.0	3.0	2.4	2.4	2.0	2.0	2.2	2.1	2.3
2	F H 3176(Z1&4)/	2.3	1.8	2.0	-	-	-	-	2.0	1.7	1.2	2.1	1.7	-
	VL 99 (Z3)		-	-	2.9	2.0	3.0	2.6	-	-	-	-	-	-
	CHECKS:													
3	SURYA	2.7	3.6	3.2	2.8	3.3	3.2	3.1	3.0	2.7	2.0	2.8	2.6	2.9
4	HIM - 129	2.5	1.8	2.2	2.4	2.8	3.0	2.7	3.0	2.0	1.2	2.8	2.2	2.4
	MEAN LOCATION	2.5	2.5	2.5	2.6	2.5	3.0	2.7	2.6	2.1	1.6	2.5	2.2	2.4
	C.D. AT 5%=	0.1	1.5	0.8	0.5	0.1	0.5	0.4	0.1	0.9	0.4	0.3	0.4	-
	C.V. % =	3.7	44.6	-	13.4	4.1	12.4	-	3.7	21.2	18.8	11.3	-	-
	F (Prob)	.000	.069	-	.088	.000	.829	-	.000	.138	.000	.000	-	-

TABLE NO. 22 (CONT.)

EAR ASPECT *

Sl No	PEDIGREE	ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN	ARBH	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	2.4	2.6	2.5	2.0	2.3	3.5	2.6	2.5	1.8	1.9	2.1	2.4
2	F H - 3176(Z1&4)/	2.3	1.0	1.6	-	-	-	-	2.5	1.8	1.8	2.1	-
	VL 99 (Z3)	-	-	-	2.8	2.5	3.5	2.9	-	-	-	-	-
	CHECKS:												
3	SURYA	2.8	3.8	3.3	2.4	2.8	3.2	2.8	3.4	1.0	2.3	2.2	2.7
4	HIM - 129	2.5	1.4	2.0	2.4	3.0	3.8	3.1	3.0	1.8	1.8	2.2	2.5
	MEAN LOCATION	2.5	2.2	2.3	2.4	2.6	3.5	2.8	2.8	1.6	2.0	2.1	2.5
	C.D. AT 5%=	0.1	1.0	0.5	0.4	0.1	0.6	0.4	0.1	0.5	0.4	0.3	-
	C.V. % =	2.2	33.5	-	9.9	3.9	15.1	-	3.4	23.2	17.4	-	-
	F (Prob)	.000	.000	-	.011	.000	.231	-	.000	.003	.070	-	-

HUSK COVER *

Sl No	PEDIGREE	ZN 1 ALMO	GORA BELI	VARA	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	1.9	1.9	2.5	2.0	2.1	2.0	2.0	2.8	2.3	2.3	2.2
2	F H - 3176(Z1&4)/	2.0	-	-	-	-	2.0	1.7	1.3	2.1	1.8	-
	VL 99 (Z3)	-	2.6	2.8	2.5	2.6	-	-	-	-	-	-
	CHECKS:											
3	SURYA	1.8	2.9	2.8	2.5	2.7	2.5	2.0	2.0	2.3	2.2	2.3
4	HIM - 129	2.4	2.4	3.0	2.0	2.5	2.5	2.7	1.7	2.3	2.3	2.4
	MEAN LOCATION	2.0	2.4	2.8	2.3	2.5	2.3	2.1	2.0	2.2	2.1	2.2
	C.D. AT 5%=	0.1	0.4	0.2	0.5	0.4	0.3	0.9	0.5	0.3	0.5	-
	C.V. % =	3.8	9.0	5.2	18.1	-	11.5	21.2	22.0	11.5	-	-
	F (Prob)	.000	.001	.001	.064	-	.003	.138	.000	.420	-	-

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ZN 1 ALMO	GORA BELI	VARA	JASH	ZN 3 MEAN	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	2.5	1.6	2.0	2.3	2.0	2.0	2.0	1.8	2.0	2.0	2.0
2	F H - 3176(Z1&4)/	2.4	-	-	-	-	1.9	1.3	1.8	2.1	1.8	-
	VL 99 (Z3)	-	2.6	2.8	2.8	2.7	-	-	-	-	-	-
	CHECKS:											
3	SURYA	2.9	2.9	3.0	3.5	3.1	3.0	3.0	2.8	2.6	2.9	3.0
4	HIM - 129	2.5	2.3	3.0	3.0	2.8	2.9	2.0	1.3	2.4	2.2	2.4
	MEAN LOCATION	2.6	2.3	2.7	2.9	2.6	2.4	2.1	2.0	2.3	2.2	2.4
	C.D. AT 5%=	0.1	0.4	0.1	0.6	0.4	0.1	0.6	0.5	0.2	0.3	-
	C.V. % =	3.5	10.2	3.3	16.2	-	4.6	13.9	19.2	7.6	-	-
	F (Prob)	.000	.000	.000	.006	-	.000	.002	.000	.000	-	-

Sl No	PEDIGREE	PLANT HEIGHT (cm) ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	MAND	COIM	KOLH	ZN 4 MEAN	OV'L MEAN
1	F H - 3186	216	232	224	141	222	163	153	189	174	180	188	139	169	182
2	F H - 3176(Z1&4)/	211	225	218	-	-	-	-	-	-	169	184	138	163	-
	VL 99 (Z3)	-	-	-	134	236	164	145	187	173	-	-	-	-	-
	CHECKS:														
3	SURYA	213	240	226	125	230	166	147	190	171	177	183	136	165	181
4	HIM - 129	210	237	224	117	221	173	146	185	168	166	186	122	158	176
	MEAN LOCATION	212	234	223	129	227	167	147	188	172	173	185	134	164	180
	C.D. AT 5%=	6.1	18.3	12.2	13.9	12.7	18.7	3.7	11.8	12.2	16.3	6.5	15.6	12.8	-
	C.V. % =	2.3	5.7	-	6.7	4.1	7.0	2.0	5.1	-	4.7	2.9	9.5	-	-
	F (Prob)	.147	.333	-	.016	.087	.598	.001	.847	-	.206	.375	.107	-	-

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ALMO	KANG	ZN 1 MEAN	GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	MAND	COIM
1	F H - 3186	98	108	103	51	88	71	57	56	65	82	79
2	F H - 3176(Z1&4)/	95	104	100	-	-	-	-	-	-	78	81
	VL 99 (Z3)	-	-	-	50	85	71	56	59	64	-	-
	CHECKS:											
3	SURYA	106	116	111	56	87	71	64	61	68	82	81
4	HIM - 129	104	104	104	52	87	76	54	56	65	77	86
	MEAN LOCATION	101	108	104	52	87	72	58	58	65	80	82
	C.D. AT 5%=	4.1	8.8	6.4	12.2	2.7	21.1	3.1	7.7	9.4	17.2	6.4
	C.V. % =	3.3	5.9	-	14.6	2.2	18.2	4.4	10.8	-	10.8	6.4
	F (Prob)	.000	.040	-	.723	.155	.947	.000	.442	-	.856	.147

Sl No	PEDIGREE	EAR HEIGHT (cm) KOLH	ZN 4 MEAN	OV'L MEAN	H.turcicum ZN 1 ALMO	ZN 4 KOLH	OV'L MEAN	H.maydis * ZN 1 ALMO	GORA BELI	JASH	ZN 3 MEAN	OV'L MEAN
1	F H - 3186	54	72	74	1.1	2.3	1.7	1.1	1.6	2.3	1.9	1.7
2	F H - 3176(Z1&4)/	50	70	-	1.1	2.2	1.7	1.0	-	-	-	-
	VL 99 (Z3)	-	-	-	-	-	-	-	2.0	2.8	2.4	-
	CHECKS:											
3	SURYA	55	72	78	2.9	3.0	2.9	1.5	1.9	2.5	2.2	2.0
4	HIM - 129	47	70	74	1.1	2.8	2.0	1.1	1.8	2.3	2.0	1.7
	MEAN LOCATION	51	71	75	1.6	2.6	2.1	1.2	1.8	2.5	2.1	1.8
	C.D. AT 5%=	14.0	12.6	-	0.3	0.3	-	0.2	0.4	0.6	0.5	-
	C.V. % =	22.2	-	-	14.0	10.2	-	15.8	12.2	21.3	-	-
	F (Prob)	.571	-	-	.000	.000	-	.002	.165	.217	-	-

TABLE NO. 22 (CONT.)

Sl No	PEDIGREE	PHYSO -DERMA*	EAR No./PLANT								
		ALMO	ALMO	GORA BELI	VARA	RANC	JASH	AMBI	MAND	KOLH	OV'L MEAN
1	F H - 3186	1.4	1.06	0.99	0.95	0.86	1.00	0.90	0.92	0.88	0.95
2	F H - 3176(Z1&4)/	1.3	1.19	-	-	-	-	-	0.86	0.92	-
	VL 99 (Z3)	-	-	0.99	1.11	0.98	1.00	1.02	-	-	-
	CHECKS:										
3	SURYA	1.1	1.06	0.98	0.96	0.83	1.00	1.01	0.97	0.95	0.97
4	HIM - 129	1.1	1.07	0.99	0.99	0.89	1.00	0.96	0.91	0.90	0.96
	MEAN LOCATION	1.2	-	-	-	-	-	-	-	-	-
	C.D. AT 5%=	0.2	-	-	-	-	-	-	-	-	-
	C.V. % =	15.2	-	-	-	-	-	-	-	-	-
	F (Prob)	.110	-	-	-	-	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST											OV'L MEAN
		ALMO	KANG	GORA BELI	VARA	RANC	JASH	AMBI	ARBH	MAND	COIM	KOLH	
1	F H - 3186	44	73	73	72	47	66	71	82	111	76	81	72
2	F H - 3176(Z1&4)/	46	88	-	-	-	-	-	89	103	75	76	-
	VL 99 (Z3)	-	-	68	78	50	64	69	-	-	-	-	-
	CHECKS:												
3	SURYA	39	66	69	65	52	59	62	72	84	76	87	66
4	HIM - 129	43	78	67	66	53	61	64	69	86	76	82	68
	MEAN LOCATION	43	76	69	70	51	62	66	78	96	76	82	70
	C.D. AT 5%=	3.2	6.6	5.0	8.1	19.2	3.5	7.0	9.7	15.4	0.7	12.3	-
	C.V. % =	6.0	6.2	4.5	8.4	23.7	4.6	8.5	10.1	8.1	0.7	12.3	-
	F (Prob)	.003	.000	.096	.017	.882	.003	.033	.002	.013	.099	.375	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 23

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN AET 1st YEAR, TRIAL No. TR68_5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5 MEAN	R
		UDAI	R	BANS	R	GODH	R	CHHI	R		
1	F H - 3186	3466	3	3711	3	3579	1	2514	1	3317	2
2	VL 97	3650	2	2276	5	2955	3	1631	3	2628	4
3	E C - 3108(RETEST.)	5019	1	4190	1	2886	4	1473	4	3392	1
	CHECKS:										
4	SURYA	2610	5	3084	4	2813	5	1462	5	2493	5
5	HIM - 129	3156	4	3814	2	3123	2	1648	2	2936	3
	MEAN YIELD=	3580		3415		3071		1746		2953	
	MEAN STAND	59		54		59		26		50	
	C.D. AT 5%=	583		756		546		693		645	
	C.V. % =	10.73		14.60		11.73		26.17		-	
	F (Prob)	.000		.000		.004		.001		-	
	PLOT SIZE=	12.00		12.00		12.00		12.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	3-07		25-06		4-07		29-06		-	
	HARVEST DATE(2002)	30-09		22-10		23-10		11-10		-	
	IRRIGATION Nos	2		-		-		-		-	
	FERTILIZER APPLIED N	90		80		100		100		-	
	P	60		60		50		50		-	
	K	-		-		-		-		-	

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA UDAI	BANS	GODH	CHHI	ZN 5 MEAN	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F H - 3186	32.79	20.33	27.22	71.88	33.10	9.82	-	14.59	52.49	13.00
2	VL 97	39.84	-	5.04	11.52	5.44	15.64	-	-	-	-
3	E C - 3108(RETEST.)	92.26	35.87	2.59	0.73	36.09	59.00	9.84	-	-	15.54
	CHECKS:										
4	SURYA	-	-	-	-	-	-	-	-	-	-
5	HIM - 129	20.92	23.69	11.02	12.72	17.78	-	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED UDAI	BANS	GODH	CHHI	ZN 5 MEAN	DAYS TO 50 % SILKING UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F H - 3186	45.3	39.8	43.3	48.0	44.1	48.0	43.3	48.0	48.8	47.0
2	VL 97	47.0	40.0	45.5	48.0	45.1	49.0	43.3	50.0	48.3	47.6
3	E C - 3108(RETEST.)	45.3	38.0	45.5	50.0	44.7	47.3	41.5	49.5	49.3	46.9
	CHECKS:										
4	SURYA	48.0	40.8	44.8	49.8	45.8	50.8	44.0	49.5	50.0	48.6
5	HIM - 129	46.3	41.3	42.5	48.8	44.7	49.3	45.0	47.3	49.5	47.8
	MEAN LOCATION	46.3	40.0	44.3	48.9	44.9	48.8	43.4	48.8	49.2	47.6
	C.D. AT 5%=	0.6	1.2	2.5	1.6	1.5	0.5	0.9	2.5	1.6	1.4
	C.V. % =	0.8	2.0	3.7	2.1	-	0.7	1.4	3.3	2.2	-
	F (Prob)	.000	.001	.077	.043	-	.000	.000	.146	.232	-

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK					MOISTURE % AT HARVEST				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F H - 3186	76.3	71.5	69.5	84.5	75.4	18.1	16.9	14.5	14.5	16.0
2	VL 97	77.8	72.5	73.0	82.0	76.3	17.7	16.3	17.2	14.8	16.5
3	E C - 3108(RETEST.)	77.5	69.5	71.5	84.0	75.6	17.2	16.4	17.5	16.0	16.8
	CHECKS:										
4	SURYA	78.5	72.5	71.8	83.0	76.4	17.2	16.8	15.4	14.6	16.0
5	HIM - 129	77.5	72.5	69.3	84.0	75.8	18.0	16.7	17.0	14.9	16.7
	MEAN LOCATION	77.5	71.7	71.0	83.5	75.9	17.6	16.6	16.3	15.0	16.4
	C.D. AT 5%=	0.8	1.6	3.2	1.3	1.7	0.3	0.8	0.9	1.0	0.7
	C.V. % =	0.7	1.4	3.0	1.0	-	0.9	3.0	3.6	4.3	-
	F (Prob)	.001	.005	.120	.008	-	.000	.493	.000	.045	-

Sl No	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				HUSK COVER *			
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN
1	F H - 3186	2.8	2.0	2.4	2.4	2.6	2.3	2.5	2.5	2.6	2.1	2.6	2.5
2	VL 97	3.0	2.4	2.9	2.8	2.6	2.5	3.3	2.8	2.6	2.5	3.3	2.8
3	E C - 3108(RETEST.)	1.5	2.1	2.1	1.9	2.3	2.1	3.1	2.5	1.6	2.3	2.9	2.3
	CHECKS:												
4	SURYA	3.1	2.5	2.8	2.8	3.0	2.6	3.4	3.0	2.4	2.6	3.3	2.8
5	HIM - 129	3.4	2.5	2.5	2.8	2.9	2.8	3.0	2.9	2.6	2.6	2.6	2.6
	MEAN LOCATION	2.8	2.3	2.5	2.5	2.7	2.5	3.0	2.7	2.4	2.4	2.9	2.6
	C.D. AT 5%=	0.5	0.3	0.5	0.4	0.5	0.5	0.3	0.4	0.4	0.5	0.5	0.5
	C.V. % =	10.9	8.7	12.4	-	13.1	12.5	6.5	-	10.9	14.5	10.0	-
	F (Prob)	.000	.011	.037	-	.082	.070	.000	-	.000	.219	.017	-

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)					EAR HEIGHT (cm)				
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F H - 3186	2.5	2.1	2.6	2.4	209	159	170	141	170	74	78	77	56	71
2	VL 97	3.3	2.5	2.8	2.8	198	125	163	148	158	65	55	73	66	65
3	E C - 3108(RETEST.)	2.4	2.1	2.6	2.4	225	149	175	159	177	100	63	78	74	79
	CHECKS:														
4	SURYA	3.1	2.8	2.9	2.9	208	165	164	136	168	79	88	71	61	75
5	HIM - 129	2.9	2.6	2.5	2.7	209	155	169	140	168	85	83	72	68	77
	MEAN LOCATION	2.8	2.4	2.7	2.6	210	151	168	145	168	81	73	74	65	73
	C.D. AT 5%=	0.7	0.5	0.4	0.5	13.1	5.8	11.6	19.5	12.5	9.2	8.9	11.5	17.1	11.7
	C.V. % =	15.1	14.5	10.1	-	4.0	2.5	4.5	8.8	-	7.5	7.9	10.0	17.1	-
	F (Prob)	.052	.082	.395	-	.010	.000	.230	.169	-	.000	.000	.545	.287	-

Sl No	PEDIGREE	EAR No./PLANT				STAND AT HARVEST				
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	F H - 3186	0.98	0.93	1.04	0.98	62	61	63	37	56
2	VL 97	0.98	0.90	1.02	0.97	65	43	65	31	51
3	E C - 3108(RETEST.)	1.03	0.94	1.06	1.01	61	56	60	15	48
	CHECKS:									
4	SURYA	1.00	0.97	1.05	1.01	49	50	41	16	39
5	HIM - 129	1.01	1.01	1.07	1.03	61	62	65	32	55
	MEAN LOCATION	-	-	-	-	59	54	59	26	50
	C.D. AT 5%=	-	-	-	-	4.0	9.7	16.2	11.2	10.3
	C.V. % =	-	-	-	-	4.4	11.6	17.9	27.9	-
	F (Prob)	-	-	-	-	.000	.004	.037	.003	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 24

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT JORHAT, IN AET 2nd YEAR, TRIAL No. TR69_1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE JORH	R	GRAIN YIELD % SUPERIORITY OVER PRO-311 ZN 1 JORH	DECCAN-103 ZN 1 JORH	GANGA-11 ZN 1 JORH	POLL. SHED 50% JORH	SILK -ING 50% JORH	DRY HUSK 50% JORH
1	B H - 1015(RETEST.)	3178	4	-	-	0.44	57.5	61.8	90.5
2	NECH - 105	3898	2	-	21.21	23.18	59.0	63.8	91.5
	CHECKS:								
3	PRO - 311	4124	1	-	28.26	30.35	56.8	61.3	90.0
4	DECCAN - 103	3216	3	-	-	1.63	57.8	62.3	90.5
5	GANGA - 11	3164	5	-	-	-	59.0	63.8	91.5
	MEAN YIELD=	3516		-	-	-	-	-	-
	MEAN STAND	54		-	-	-	58.0	62.5	90.8
	C.D. AT 5%=	1003		-	-	-	0.7	1.5	0.4
	C.V. % =	18.82		-	-	-	0.8	1.6	0.3
	F (Prob)	.011		-	-	-	.000	.011	.000
	PLOT SIZE=	12.00							

AGRONOMY DATA:
SOWING DATE(2002) 13-07 : HARVEST DATE(2002) 17-10 : IRRIGATION Nos -
FERTILIZER APPLIED N 80 : P 40 : K 40

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 27.0%

Sl No	PEDIGREE	MOIS - TURE % JORH	PLANT ASP * JORH	EAR ASP. * JORH	HUSK COV. * JORH	UNIFO -RMITY * JORH	PLANT HT. (cm) JORH	EAR HT. (cm) JORH	STAND AT HARVE. JORH
1	B H - 1015(RETEST.)	26.5	1.6	1.6	2.1	1.8	145	51	51
2	NECH - 105	24.3	2.0	1.6	1.9	1.8	149	48	67
	CHECKS:								
3	PRO - 311	25.4	1.6	1.6	2.3	2.0	163	52	58
4	DECCAN - 103	24.6	1.6	1.7	2.3	1.8	165	62	52
5	GANGA - 11	25.6	1.9	1.6	1.9	1.8	163	55	45
	MEAN LOCATION	25.3	1.7	1.6	2.1	1.8	157	54	54
	C.D. AT 5%=	0.7	0.3	0.2	0.3	0.2	12.7	14.0	13.1
	C.V. % =	1.9	10.3	7.1	10.1	8.5	5.3	16.9	15.6
	F (Prob)	.000	.031	.728	.046	.472	.013	.326	.026

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE No. 25

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT DELHI, LUDHIANA, KARNAL, PANTNAGAR IN AET 2nd YEAR, TRIAL No. TR69_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE DELH	R	LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R
1	BH - 1620	5974	2	6202	1	4096	5	5032	2	5326	1
2	BH - 1434	5809	3	4794	4	3939	6	4240	5	4695	4
3	NECH - 105	3707	6	5855	2	5355	1	5571	1	5122	2
	CHECKS:										
4	PRO - 311	6378	1	5225	3	4096	4	4655	3	5088	3
5	DECCAN - 103	4883	5	3868	5	4671	2	4373	4	4449	5
6	GANGA - 11	5763	4	3590	6	4523	3	3417	6	4323	6
	MEAN YIELD=	5419		4922		4447		4548		4834	
	MEAN STAND	119		106		52		109		96	
	C.D. AT 5%=	1946		899		791		624		1065	
	C.V. % =	19.98		12.24		9.90		9.20		-	
	F (Prob)	.111		.000		.012		.000		-	
	PLOT SIZE=	22.50		15.60		7.80		22.50		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	4-07		5-07		25-06		28-06		-	
	HARVEST DATE(2002)	16-10		10-10		2-10		11-10		-	
	IRRIGATION Nos	-		8		3		2		-	
	FERTILIZER APPLIED N	120		125		150		120		-	
	P	80		60		60		60		-	
	K	60		30		60		-		-	

TABLE No. 25 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 DELH	LUDH	KARN	PANT	ZN 2 MEAN	DECCAN - 103 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	BH - 1620	-	18.70	-	8.11	4.67	22.35	60.33	-	15.08	19.73
2	BH - 1434	-	-	-	-	-	18.97	23.92	-	-	5.55
3	NECH - 105	-	12.05	30.72	19.70	0.66	-	51.36	14.65	27.40	15.13
	CHECKS:										
4	PRO - 311	-	-	-	-	-	30.62	35.07	-	6.44	14.38
5	DECCAN - 103	-	-	14.02	-	-	-	-	-	-	-
6	GANGA - 11	-	-	10.42	-	-	18.04	-	-	-	-

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 DELH	LUDH	KARN	PANT	ZN 2 MEAN	DAYS TO 50% POLLEN SHED DELH	LUDH	KARN	ZN 2 MEAN
1	BH - 1620	3.66	72.78	-	47.27	23.20	53.7	53.0	51.7	52.8
2	BH - 1434	0.79	33.54	-	24.09	8.61	48.7	52.5	47.7	49.6
3	NECH - 105	-	63.11	18.39	63.04	18.47	51.7	52.5	48.3	50.8
	CHECKS:									
4	PRO - 311	10.66	45.56	-	36.21	17.70	51.0	52.8	51.0	51.6
5	DECCAN - 103	-	7.76	3.26	27.97	2.90	49.0	49.3	47.7	48.6
6	GANGA - 11	-	-	-	-	-	51.0	51.8	49.0	50.6
	MEAN LOCATION	-	-	-	-	-	50.8	52.0	49.2	50.7
	C.D. AT 5%=	-	-	-	-	-	2.4	2.6	1.2	2.1
	C.V. % =	-	-	-	-	-	2.6	3.3	1.4	-
	F (Prob)	-	-	-	-	-	.010	.063	.000	-

TABLE No. 25 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING DELH	LUDH	KARN	PANT	ZN 2 MEAN	DRY DUSK LUDH	MOISTURE % AT HARVEST DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	BH - 1620	58.7	56.5	53.7	60.8	57.4	87.5	30.3	25.0	15.3	31.7	25.6
2	BH - 1434	53.0	52.8	50.3	58.3	53.6	87.0	33.0	24.4	14.3	34.0	26.4
3	NECH - 105	57.7	54.8	51.0	59.0	55.6	86.8	31.7	24.9	14.9	33.6	26.3
	CHECKS:											
4	PRO - 311	53.7	54.5	53.3	58.3	54.9	87.3	32.7	24.2	15.0	32.6	26.1
5	DECCAN - 103	52.3	52.3	50.7	58.0	53.3	87.5	27.5	22.8	13.6	32.3	24.1
6	GANGA - 11	56.3	55.3	51.7	60.0	55.8	87.3	29.4	26.6	15.3	34.3	26.4
	MEAN LOCATION	55.3	54.3	51.8	59.0	55.1	87.2	30.8	24.6	14.7	33.1	25.8
	C.D. AT 5%=	4.3	2.0	1.4	1.4	2.3	1.0	2.8	0.3	0.4	0.7	1.0
	C.V. % =	4.3	2.4	1.4	1.5	-	0.8	5.0	0.8	1.5	1.4	-
	F (Prob)	.036	.004	.001	.003	-	.596	.009	.000	.000	.000	-

Sl No	PEDIGREE	PLANT ASP.* DELH	EAR ASP.* DELH	PLANT HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN	EAR HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	BH - 1620	2.5	1.5	232	220	230	244	231	97	109	128	105	110
2	BH - 1434	2.0	1.5	195	174	197	194	190	82	83	117	78	90
3	NECH - 105	2.3	1.8	203	174	228	216	205	78	81	110	84	88
	CHECKS:												
4	PRO - 311	2.3	1.8	210	178	193	203	196	83	98	115	87	96
5	DECCAN - 103	2.5	2.3	203	193	212	220	207	90	96	112	87	96
6	GANGA - 11	2.5	2.0	202	189	227	201	204	87	99	110	86	95
	MEAN LOCATION	2.3	1.8	208	188	214	213	206	86	94	115	88	96
	C.D. AT 5%=	0.2	0.3	27.3	14.6	14.4	17.2	18.4	20.8	16.4	12.2	6.9	14.1
	C.V. % =	5.5	10.5	7.2	5.2	3.7	5.4	-	13.3	11.5	5.8	5.2	-
	F (Prob)	.004	.004	.140	.000	.000	.000	-	.471	.021	.054	.000	-

TABLE No. 25 (CONT.)

Sl No	PEDIGREE	PFSR* ZN 2 LUDH	EAR No./PLANT DELH	EAR No./PLANT LUDH	EAR No./PLANT ZN 2 MEAN	STAND AT HARVEST DELH	STAND AT HARVEST LUDH	STAND AT HARVEST KARN	STAND AT HARVEST PANT	STAND AT HARVEST ZN 2 MEAN
1	BH - 1620	1.5	1.03	1.03	1.03	120	101	57	108	96
2	BH - 1434	1.8	1.03	1.13	1.13	123	102	57	114	99
3	NECH - 105	1.3	1.03	1.03	1.03	120	108	51	113	98
	CHECKS:									
4	PRO - 311	2.0	1.03	1.13	1.13	120	109	51	114	98
5	DECCAN - 103	2.5	1.03	1.03	1.03	117	106	50	107	95
6	GANGA - 11	2.3	1.03	1.03	1.03	113	109	44	99	91
	MEAN LOCATION	1.9	-	-	-	119	106	52	109	96
	C.D. AT 5%=	1.9	-	-	-	19.1	9.1	6.0	6.7	10.2
	C.V. % =	68.6	-	-	-	8.8	5.7	6.4	4.1	-
	F (Prob)	.751	-	-	-	.904	.233	.005	.002	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 26

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRID AT BELIPAR GORAKHPUR, JASHIPUR, AMBIKAPUR IN AET 2nd YEAR TRIAL No. TR69_3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GORA BELI	R	JASH	R	AMBI	R	ZN 3 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 BELI	JASH	AMBI	ZN 3 MEAN
1	NECH - 105	5043	1	5912	2	7966	2	6307	2	10.56	-	-	-
	CHECKS:												
2	PRO - 311	4561	3	6734	1	8787	1	6694	1	-	-	-	-
3	DECCAN - 103	4783	2	4947	4	6957	3	5563	3	4.88	-	-	-
4	GANGA - 11	3743	4	5886	3	6777	4	5469	4	-	-	-	-
	MEAN YIELD=	4533		5870		7622		6008					
	MEAN STAND	105		92		106		101					
	C.D. AT 5%=	276		819		1129		741					
	C.V. % =	3.91		11.55		12.26		-					
	F (Prob)	.000		.005		.002		-					
	PLOT SIZE=	18.00		18.00		22.50		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	2-07		27-06		21-06		-					
	HARVEST DATE(2002)	9-10		7-10		-		-					
	IRRIGATION Nos	-		-		-		-					
	FERTILIZER APPLIED N	120		120		100		-					
	P	60		60		50		-					
	K	60		60		25		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : RANC 24.6%

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 BELI	JASH	AMBI	ZN 3 MEAN	OVER THE GANGA - 11 BELI	JASH	AMBI	ZN 3 MEAN
1	NECH - 105	5.42	19.50	14.50	13.38	34.71	0.44	17.54	15.32
	CHECKS:								
2	PRO - 311	-	36.11	26.30	20.34	21.85	14.40	29.65	22.40
3	DECCAN - 103	-	-	-	-	27.79	-	2.65	1.71
4	GANGA - 11	-	18.98	-	-	-	-	-	-

TABLE NO. 26 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED GORA BELI	JASH	AMBI	ZN 3 MEAN	DAYS TO 50% SILKING GORA BELI	JASH	AMBI	ZN 3 MEAN	DAYS TO 50% DRY HUSK GORA BELI	JASH	AMBI	ZN 3 MEAN
1	NECH - 105	59.3	52.5	51.5	54.4	62.5	57.0	56.0	58.5	98.5	93.8	103.3	98.6
	CHECKS:												
2	PRO - 311	58.5	51.5	52.3	54.1	61.5	55.3	56.5	57.8	97.3	93.7	103.0	98.0
3	DECCAN - 103	60.3	52.0	50.8	54.4	63.0	55.7	55.3	58.0	98.5	93.7	103.2	98.4
4	GANGA - 11	61.3	52.3	51.2	54.9	63.5	56.3	55.5	58.4	99.8	95.3	104.3	99.8
	MEAN LOCATION	59.8	52.1	51.5	54.5	62.6	56.1	55.8	58.2	98.5	94.1	103.5	98.7
	C.D. AT 5%=	0.9	2.0	1.9	1.6	0.7	2.1	2.1	1.7	0.9	2.5	1.7	1.7
	C.V. % =	1.0	3.1	3.0	-	0.7	3.1	3.1	-	0.6	2.1	1.4	-
	F (Prob)	.000	.714	.403	-	.001	.384	.648	-	.001	.430	.386	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST GORA BELI	JASH	ZN 3 MEAN	PLANT ASPECT * GORA BELI	JASH	ZN 3 MEAN	EAR ASPECT * GORA BELI	JASH	ZN 3 MEAN	HUSK COVER * GORA BELI	JASH	ZN 3 MEAN
1	NECH - 105	31.4	23.5	27.4	1.8	1.3	1.5	1.8	1.5	1.6	1.9	1.8	1.9
	CHECKS:												
2	PRO - 311	29.0	23.2	26.1	1.5	1.0	1.3	2.1	1.2	1.6	1.8	1.2	1.5
3	DECCAN - 103	27.8	23.3	25.5	2.0	2.2	2.1	2.3	2.5	2.4	1.6	2.2	1.9
4	GANGA - 11	31.4	22.8	27.0	2.4	1.7	2.0	2.9	2.0	2.4	2.5	1.8	2.2
	MEAN LOCATION	29.9	23.2	26.5	1.9	1.5	1.7	2.3	1.8	2.0	1.9	1.8	1.8
	C.D. AT 5%=	0.7	0.2	0.4	0.3	0.6	0.4	0.6	0.9	0.7	0.5	0.9	0.7
	C.V. % =	1.5	0.6	-	9.0	30.4	-	15.7	42.3	-	17.7	41.3	-
	F (Prob)	.000	.000	-	.000	.004	-	.010	.040	-	.024	.154	-

TABLE NO. 26 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * GORA BELI	UNIFORMITY * GORA JASH	UNIFORMITY * ZN 3 MEAN	PLANT HEIGHT (cm) GORA BELI	PLANT HEIGHT (cm) GORA JASH	PLANT HEIGHT (cm) GORA AMBI	PLANT HEIGHT (cm) ZN 3 MEAN	EAR HEIGHT (cm) GORA BELI	EAR HEIGHT (cm) GORA JASH	EAR HEIGHT (cm) GORA AMBI	EAR HEIGHT (cm) ZN 3 MEAN
1	NECH - 105	2.3	2.2	2.2	161	182	241	194	67	86	94	82
	CHECKS:											
2	PRO - 311	2.0	1.3	1.7	160	185	231	192	80	92	96	89
3	DECCAN - 103	2.1	3.0	2.6	164	184	239	196	80	85	95	87
4	GANGA - 11	2.8	2.2	2.5	142	183	238	188	67	87	94	82
	MEAN LOCATION	2.3	2.2	2.2	157	183	237	192	74	87	95	85
	C.D. AT 5%=	0.4	1.1	0.7	22.6	4.6	12.9	13.4	20.8	4.3	8.1	11.1
	C.V. % =	10.5	41.6	-	9.0	2.0	4.4	-	17.7	4.0	7.0	-
	F (Prob)	.008	.045	-	.207	.459	.391	-	.318	.015	.905	-

Sl No	PEDIGREE	H.maydis * GORA BELI	H.maydis * GORA JASH	H.maydis * ZN 3 MEAN	BLSB* ZN 3 JASH	EAR No./PLANT GORA BELI	EAR No./PLANT GORA JASH	EAR No./PLANT GORA AMBI	STAND AT HARVEST GORA BELI	STAND AT HARVEST GORA JASH	STAND AT HARVEST GORA AMBI	STAND AT HARVEST ZN 3 MEAN
1	NECH - 105	1.3	2.1	1.7	2.3	0.98	1.01	1.05	103	94	113	103
	CHECKS:											
2	PRO - 311	1.1	1.3	1.2	2.0	0.97	1.02	1.03	103	99	109	104
3	DECCAN - 103	2.0	2.6	2.3	2.6	0.97	1.01	1.04	110	90	100	100
4	GANGA - 11	1.9	1.9	1.9	2.2	0.97	1.02	1.03	103	87	101	97
	MEAN LOCATION	1.6	2.0	1.8	2.3	-	-	-	105	92	106	101
	C.D. AT 5%=	0.4	0.9	0.6	0.7	-	-	-	3.8	13.7	14.4	10.6
	C.V. % =	16.0	35.5	-	25.4	-	-	-	2.3	12.0	11.0	-
	F (Prob)	.002	.053	-	.379	-	-	-	.008	.309	.197	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 27

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT HYDERABAD, KARIMNAGAR, ARBHAVI, MONSANTO BANGALORE, MANDYA, COIMBATORE, KOLHAPUR, IN AET 2nd YEAR, TRIAL No. TR69_4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE HYDE	R	KARI	R	ARBH	R	BANG MONS	R	MAND	R	COIM	R	KOLH	R	ZN 4 MEAN	R
1	NECH - 105	4589	3	6245	1	5441	4	2471	2	9948	3	6244	3	3372	4	5473	3
2	F - 8007	5366	1	5587	2	5474	3	2493	1	12083	1	6232	4	4120	2	5908	1
	CHECKS:																
3	PRO - 311	4913	2	4535	5	5727	1	2157	3	10495	2	6816	2	4467	1	5587	2
4	DECCAN - 103	4108	4	4769	4	5553	2	1672	4	9863	4	7026	1	3663	3	5236	4
5	GANGA - 11	3534	5	5468	3	4536	5	1415	5	8955	5	6117	5	2806	5	4690	5
	MEAN YIELD=	4502		5321		5346		2042		10269		6487		3686		5379	
	MEAN STAND	65		129		108		41		80		112		113		93	
	C.D. AT 5%=	1350		1160		1455		390		1594		707		979		1091	
	C.V. % =	19.77		14.38		17.95		12.59		8.41		7.19		17.52		-	
	F (Prob)	.007		.053		.013		.000		.008		.030		.009		-	
	PLOT SIZE=	22.50		22.50		22.50		22.50		14.00		22.50		22.50		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	3-07		23-07		17-07		6-07		25-07		5-07		18-07		-	
	HARVEST DATE(2002)	20-10		13-11		11-11		15-11		28-11		24-10		14-11		-	
	IRRIGATION Nos	6		4		7		-		5		8		1		-	
	FERTILIZER APPL.N	120		120		150		-		150		135		120		-	
	P	60		60		75		-		75		63		60		-	
	K	30		30		38		-		40		50		40		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : SYNG 20.7%

TABLE NO. 27 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE PRO - 311

Sl No	PEDIGREE	HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	-	37.69	-	14.57	-	-	-	-
2	F - 8007	9.22	23.19	-	15.61	15.14	-	-	5.74
	CHECKS:								
3	PRO - 311	-	-	-	-	-	-	-	-
4	DECCAN - 103	-	5.14	-	-	-	3.08	-	-
5	GANGA - 11	-	20.56	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103

Sl No	PEDIGREE	HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	11.71	30.95	-	47.80	0.86	-	-	4.52
2	F - 8007	30.64	17.17	-	49.14	22.51	-	12.49	12.83
	CHECKS:								
3	PRO - 311	19.61	-	3.13	29.01	6.41	-	21.95	6.70
4	DECCAN - 103	-	-	-	-	-	-	-	-
5	GANGA - 11	-	14.66	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11

Sl No	PEDIGREE	HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	29.86	14.21	19.95	74.62	11.09	2.07	20.19	16.69
2	F - 8007	51.86	2.19	20.68	76.20	34.94	1.88	46.86	25.97
	CHECKS:								
3	PRO - 311	39.04	-	26.26	52.41	17.20	11.42	59.22	19.13
4	DECCAN - 103	16.24	-	22.43	18.14	10.14	14.85	30.56	11.64
5	GANGA - 11	-	-	-	-	-	-	-	-

TABLE NO. 27 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	60.0	59.8	60.8	57.5	57.3	57.3	65.8	59.8
2	F - 8007	60.5	58.0	60.3	59.0	56.3	57.0	64.3	59.3
	CHECKS:								
3	PRO - 311	58.3	58.8	60.8	57.3	56.0	57.3	65.3	59.1
4	DECCAN - 103	55.0	60.0	58.3	56.5	54.3	56.0	62.5	57.5
5	GANGA - 11	61.5	61.8	62.3	56.3	56.3	58.8	65.8	60.4
	MEAN LOCATION	59.0	59.7	60.5	57.3	56.1	57.3	64.7	59.2
	C.D. AT 5%=	1.8	1.7	1.0	1.2	2.4	2.1	1.2	1.6
	C.V. % =	2.0	1.9	1.1	1.3	2.2	2.3	1.2	-
	F (Prob)	.000	.005	.000	.002	.150	.138	.000	-

Sl No	PEDIGREE	DAYS TO 50 % SILKING HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	62.0	62.3	63.3	58.5	60.3	60.3	67.8	62.0
2	F - 8007	62.5	61.8	62.0	60.5	59.3	60.3	65.8	61.7
	CHECKS:								
3	PRO - 311	61.0	61.8	61.3	58.3	58.3	59.3	66.5	60.9
4	DECCAN - 103	57.0	62.5	61.0	57.5	56.7	58.8	64.0	59.6
5	GANGA - 11	63.5	63.0	63.3	57.3	60.0	62.0	67.3	62.3
	MEAN LOCATION	61.2	62.3	62.2	58.4	58.9	60.1	66.3	61.3
	C.D. AT 5%=	1.8	1.4	0.9	1.2	2.5	1.3	1.3	1.5
	C.V. % =	1.9	1.4	0.9	1.3	2.3	1.5	1.3	-
	F (Prob)	.000	.286	.000	.001	.054	.002	.000	-

TABLE NO. 27 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK HYDE	KARI	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN	MOISTURE % AT HARVEST HYDE	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	94.3	94.5	110.5	100.7	104.8	99.0	100.6	27.7	27.9	23.3	21.4	21.3	17.9	23.2
2	F - 8007	96.5	94.3	112.8	102.0	107.0	96.8	101.5	27.4	27.4	25.5	19.4	20.4	15.3	22.6
	CHECKS:														
3	PRO - 311	95.5	92.5	109.0	98.7	104.3	97.8	99.6	28.0	26.9	23.5	20.5	21.8	13.6	22.4
4	DECCAN - 103	94.0	92.8	108.3	101.0	103.0	95.3	99.0	25.9	25.3	22.4	20.8	23.0	13.1	21.8
5	GANGA - 11	95.8	93.0	107.3	103.0	106.8	98.5	100.7	26.5	25.3	23.5	20.2	20.3	16.0	22.0
	MEAN LOCATION	95.2	93.4	109.6	101.1	105.2	97.4	100.3	27.1	26.6	23.6	20.5	21.3	15.2	22.4
	C.D. AT 5%=	2.2	1.4	1.7	3.8	3.1	1.2	2.2	2.4	2.2	2.6	1.9	1.4	1.0	1.9
	C.V. % =	1.5	1.0	1.0	2.0	1.9	0.8	-	5.8	5.4	7.1	4.8	4.3	4.1	-
	F (Prob)	.128	.027	.000	.191	.068	.000	-	.332	.066	.199	.238	.007	.000	-

Sl No	PEDIGREE	PLANT ASPECT * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	EAR ASPECT * HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	2.5	2.3	2.8	1.7	1.8	2.0	2.2	2.0	1.0	2.3	1.3	1.3	1.5	1.6	1.6
2	F - 8007	2.1	2.0	2.8	1.3	1.8	2.1	2.0	2.0	1.0	2.3	1.3	1.3	1.5	1.6	1.6
	CHECKS:															
3	PRO - 311	2.1	2.8	2.0	1.0	1.8	1.9	1.9	2.0	1.0	2.5	1.0	1.7	1.8	1.6	1.6
4	DECCAN - 103	2.3	3.3	2.5	2.3	2.0	2.1	2.4	2.1	2.0	2.5	1.5	2.3	2.0	1.8	2.0
5	GANGA - 11	2.9	3.8	2.5	2.7	1.8	2.1	2.6	2.8	1.8	2.8	2.0	2.0	1.0	1.9	2.0
	MEAN LOCATION	2.4	2.8	2.5	1.8	1.8	2.0	2.2	2.2	1.4	2.5	1.4	1.7	1.5	1.7	1.8
	C.D. AT 5%=	0.3	0.8	0.2	1.4	0.7	0.3	0.6	0.4	0.3	0.3	0.9	1.4	0.9	0.4	0.7
	C.V. % =	7.4	19.0	4.5	42.4	25.9	10.9	-	12.6	16.6	7.0	41.8	43.4	36.3	15.2	-
	F (Prob)	.000	.003	.000	.130	.916	.445	-	.008	.000	.007	.218	.461	.207	.577	-

TABLE NO. 27 (CONT.)

Sl No	PEDIGREE	HUSK COVER * HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN	UNIFORMITY * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	2.1	1.0	3.0	1.3	1.3	2.3	2.1	1.9	2.4	2.0	2.5	2.0	2.8	2.0	2.3
2	F - 8007	2.1	1.0	2.8	1.0	1.3	1.8	2.1	1.7	2.1	2.3	2.5	1.7	2.3	2.1	2.2
	CHECKS:															
3	PRO - 311	2.1	1.3	2.5	1.0	1.0	1.5	2.0	1.6	2.1	2.0	2.0	1.3	2.0	2.1	1.9
4	DECCAN - 103	2.4	2.0	2.8	1.3	2.3	1.8	2.4	2.1	2.3	2.8	2.5	2.3	2.5	2.4	2.5
5	GANGA - 11	2.5	1.8	3.0	1.8	2.0	2.0	2.3	2.2	2.8	3.5	2.3	2.3	2.0	2.5	2.6
	MEAN LOCATION	2.3	1.4	2.8	1.3	1.6	1.9	2.2	1.9	2.3	2.5	2.3	1.9	2.3	2.2	2.3
	C.D. AT 5%=	0.2	0.6	0.4	0.6	0.9	0.7	0.4	0.6	0.4	0.7	0.3	1.3	1.6	0.3	0.8
	C.V. % =	7.0	28.4	8.9	33.5	31.3	25.6	10.9	-	11.9	17.5	8.7	35.3	45.4	7.4	-
	F (Prob)	.013	.011	.075	.138	.058	.279	.279	-	.041	.002	.015	.376	.812	.006	-

Sl No	PEDIGREE	PLANT HEIGHT (cm) KARI	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN	EAR HEIGHT (cm) KARI	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	177	181	195	181	151	177	59	100	89	89	63	80
2	F - 8007	164	213	195	175	140	177	67	119	93	77	58	83
	CHECKS:												
3	PRO - 311	174	185	191	188	154	178	63	105	99	98	71	87
4	DECCAN - 103	165	210	200	173	154	180	69	114	96	77	69	85
5	GANGA - 11	166	201	193	182	161	181	72	114	96	92	81	91
	MEAN LOCATION	169	198	195	180	152	179	66	110	95	87	68	85
	C.D. AT 5%=	12.7	25.1	16.0	23.7	15.8	18.7	11.1	18.8	7.2	11.5	14.3	12.6
	C.V. % =	4.9	8.2	4.4	8.6	6.8	-	11.0	11.1	4.0	8.6	13.6	-
	F (Prob)	.150	.059	.753	.680	.125	-	.169	.252	.075	.006	.032	-

TABLE NO. 27 (CONT.)

Sl No	PEDIGREE	H.turc. * KOLH	EAR No./PLANT HYDE	KARI	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	1.9	0.99	1.01	1.01	1.01	1.01	0.73	0.96
2	F - 8007	2.0	1.01	1.00	1.07	1.00	1.00	0.87	0.99
	CHECKS:								
3	PRO - 311	2.0	1.06	0.98	1.02	0.98	1.00	0.74	0.96
4	DECCAN - 103	2.4	0.96	1.03	1.01	0.98	0.99	0.91	0.98
5	GANGA - 11	1.8	1.01	0.95	1.02	0.98	1.00	0.84	0.97
	MEAN LOCATION	2.0	-	-	-	-	-	-	-
	C.D. AT 5%=	0.5	-	-	-	-	-	-	-
	C.V. % =	17.2	-	-	-	-	-	-	-
	F (Prob)	.186	-	-	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
1	NECH - 105	70	128	109	42	79	115	117	94
2	F - 8007	70	127	115	42	81	111	121	95
	CHECKS:								
3	PRO - 311	62	131	111	41	78	114	113	93
4	DECCAN - 103	76	129	125	41	84	113	115	98
5	GANGA - 11	49	130	79	41	81	110	102	84
	MEAN LOCATION	65	129	108	41	80	112	113	93
	C.D. AT 5%=	12.7	12.8	15.6	2.8	8.8	2.4	16.1	10.2
	C.V. % =	12.6	6.5	9.4	4.4	5.8	1.4	9.2	-
	F (Prob)	.005	.962	.000	.930	.603	.005	.170	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 28

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT UDAIPUR, BANSWARA, GODHRA, IN AET 2nd YEAR, TRIAL No. TR69_5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						ZN 5		GRAIN YIELD % SUPERIORITY OVER THE PRO - 311			ZN 5
		UDAI	R	BANS	R	GODH	R	MEAN	R	UDAI	BANS	GODH	MEAN
1	NECH - 109	5336	2	4623	1	2428	4	4129	1	-	16.12	-	1.76
2	NECH - 105	4054	4	4549	2	2186	5	3596	4	-	14.25	-	-
	CHECKS:												
3	PRO - 311	5502	1	3981	3	2690	2	4058	2	-	-	-	-
4	DECCAN - 103	5000	3	3798	4	2441	3	3746	3	-	-	-	-
5	GANGA - 11	3432	5	3470	5	2701	1	3201	5	-	-	0.41	-
	MEAN YIELD=	4665		4084		2489		3746					
	MEAN STAND	104		80		34		73					
	C.D. AT 5%=	657		438		648		581					
	C.V. % =	9.29		7.08		17.17		-					
	F (Prob)	.000		.000		.388		-					
	PLOT SIZE=	18.00		18.00		18.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		25-06		5-07		-					
	HARVEST DATE(2002)	3-10		22-10		17-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	120		80		100		-					
	P	60		60		50		-					
	K	-		-		-		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : CHHI 28.0%

TABLE NO. 28 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 UDAI	BANS	GODH	ZN 5 MEAN	GANGA - 11 UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	6.74	21.72	-	10.22	55.51	33.22	-	28.99
2	NECH - 105	-	19.76	-	-	18.14	31.08	-	12.35
	CHECKS:								
3	PRO - 311	10.04	4.82	10.22	8.32	60.33	14.73	-	26.76
4	DECCAN - 103	-	-	-	-	45.70	9.45	-	17.03
5	GANGA - 11	-	-	10.67	-	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED UDAI	BANS	GODH	ZN 5 MEAN	DAYS TO 50% SILKING UDAI	BANS	GODH	ZN 5 MEAN	DAYS TO 50% DRY HUSK UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	57.5	47.8	53.3	52.8	59.5	52.0	58.3	56.6	84.8	84.0	83.3	84.0
2	NECH - 105	56.0	47.3	48.8	50.7	59.0	51.5	54.3	54.9	84.5	84.0	80.8	83.1
	CHECKS:												
3	PRO - 311	55.5	45.8	50.5	50.6	57.8	49.8	56.3	54.6	84.3	82.5	83.3	83.3
4	DECCAN - 103	51.5	46.8	49.5	49.3	54.5	50.8	54.3	53.2	85.8	82.3	82.8	83.6
5	GANGA - 11	55.5	48.3	48.5	50.8	58.3	52.0	53.3	54.5	84.5	83.0	78.8	82.1
	MEAN LOCATION	55.2	47.2	50.1	50.8	57.8	51.2	55.3	54.8	84.8	83.2	81.8	83.2
	C.D. AT 5%=	1.3	2.1	3.1	2.2	1.6	1.9	3.9	2.5	0.8	3.3	4.7	2.9
	C.V. % =	1.6	2.9	4.0	-	1.8	2.4	4.6	-	0.6	2.6	3.7	-
	F (Prob)	.000	.167	.034	-	.000	.104	.096	-	.008	.687	.219	-

TABLE NO. 28 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST UDAI	BANS	GODH	ZN 5 MEAN	PLANT ASPECT * UDAI	BANS	GODH	ZN 5 MEAN	EAR ASPECT * UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	17.9	16.3	21.0	18.4	1.8	1.6	2.0	1.8	2.3	1.6	2.5	2.1
2	NECH - 105	17.8	17.1	19.3	18.0	2.0	1.5	2.0	1.8	2.5	1.6	2.0	2.0
	CHECKS:												
3	PRO - 311	18.5	16.7	20.7	18.6	1.6	2.0	1.9	1.8	2.4	2.0	2.0	2.1
4	DECCAN - 103	17.4	16.6	21.3	18.4	1.9	1.9	2.1	2.0	2.6	1.9	2.5	2.3
5	GANGA - 11	16.9	16.7	21.1	18.2	2.3	1.5	2.3	2.0	2.9	1.5	2.9	2.4
	MEAN LOCATION	17.6	16.7	20.7	18.3	1.9	1.7	2.0	1.9	2.5	1.7	2.4	2.2
	C.D. AT 5%=	0.4	0.7	1.3	0.8	0.6	0.2	0.5	0.4	0.6	0.3	0.6	0.5
	C.V. % =	1.4	2.7	4.2	-	19.1	8.9	16.5	-	14.3	10.9	15.6	-
	F (Prob)	.000	.204	.046	-	.201	.001	.601	-	.201	.016	.026	-

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	1.6	1.6	2.6	2.0	2.3	1.6	2.5	2.1
2	NECH - 105	2.0	1.8	1.6	1.8	2.1	1.6	2.0	1.9
	CHECKS:								
3	PRO - 311	2.0	2.1	2.1	2.1	1.6	2.0	2.0	1.9
4	DECCAN - 103	1.9	2.3	2.3	2.1	2.3	1.9	2.6	2.3
5	GANGA - 11	2.3	1.6	2.6	2.2	2.4	1.6	2.4	2.1
	MEAN LOCATION	2.0	1.9	2.3	2.0	2.1	1.8	2.3	2.1
	C.D. AT 5%=	0.7	0.4	0.7	0.6	0.4	0.4	0.4	0.4
	C.V. % =	23.8	14.0	19.2	-	13.1	13.8	12.4	-
	F (Prob)	.463	.013	.036	-	.019	.138	.026	-

TABLE NO. 28 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN	EAR HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	258	188	181	209	134	85	82	100
2	NECH - 105	229	180	177	195	80	83	74	79
	CHECKS:								
3	PRO - 311	236	174	172	194	106	96	79	94
4	DECCAN - 103	258	178	181	205	119	93	82	98
5	GANGA - 11	263	196	176	212	116	90	81	96
	MEAN LOCATION	249	183	177	203	111	89	80	93
	C.D. AT 5%=	18.7	7.4	11.6	12.6	11.2	7.1	9.6	9.3
	C.V. % =	4.9	2.6	4.2	-	6.6	5.2	7.8	-
	F (Prob)	.006	.000	.525	-	.000	.008	.430	-

Sl No	PEDIGREE	EAR No./PLANT UDAI	BANS	GODH	ZN 5 MEAN	STAND AT HARVEST UDAI	BANS	GODH	ZN 5 MEAN
1	NECH - 109	0.96	0.96	1.12	1.02	102	84	36	74
2	NECH - 105	0.95	0.90	1.09	0.98	111	90	45	82
	CHECKS:								
3	PRO - 311	0.95	0.98	1.11	1.01	111	75	32	72
4	DECCAN - 103	0.96	1.02	1.12	1.03	112	76	33	73
5	GANGA - 11	0.96	0.93	1.14	1.01	86	74	25	62
	MEAN LOCATION	-	-	-	-	104	80	34	73
	C.D. AT 5%=	-	-	-	-	6.8	10.8	9.2	8.9
	C.V. % =	-	-	-	-	4.2	8.8	17.5	-
	F (Prob)	-	-	-	-	.000	.025	.008	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 29

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT BAJAURA, KANGRA, JORHAT, IN AET 2nd YEAR, TRIAL No. TR70_1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE BAJA	R	KANG	R	JORH	R	ZN 1 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT BAJA	KANG	JORH	ZN 1 MEAN
1	BIO - 81009	5742	1	7508	1	2770	4	5340	1	54.56	65.47	-	29.85
2	BIO - 81096	5550	2	7108	2	2868	3	5176	2	49.40	56.65	-	25.85
	CHECKS:												
3	NAVJOT	3715	5	4538	5	4085	1	4113	5	-	-	-	-
4	DECCAN - 107	4582	4	6776	3	2960	2	4773	3	23.33	49.33	-	16.05
5	KH 510	5469	3	5345	4	2249	5	4354	4	47.22	17.80	-	5.87
	MEAN YIELD=	5011		6255		2986		4751					
	MEAN STAND	82		73		52		69					
	C.D. AT 5%=	568		1234		539		780					
	C.V. % =	7.47		13.00		11.89		-					
	F (Prob)	.000		.001		.000		-					
	PLOT SIZE=	14.40		12.00		12.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	11-07		21-06		13-07		-					
	HARVEST DATE(2002)	14-11		20-09		17-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	120		80		80		-					
	P	60		60		40		-					
	K	40		40		40		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 27.1%

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 BAJA	KANG	JORH	ZN 1 MEAN	THE KH 510 BAJA	KANG	JORH	ZN 1 MEAN
1	BIO - 81009	25.32	10.81	-	11.89	4.99	40.47	23.20	22.64
2	BIO - 81096	21.13	4.90	-	8.44	1.48	32.99	27.57	18.86
	CHECKS:								
3	NAVJOT	-	-	38.03	-	-	-	81.69	-
4	DECCAN - 107	-	-	-	-	-	26.77	31.63	9.61
5	KH 510	19.37	-	-	-	-	-	-	-

TABLE NO. 29 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED BAJA	KANG	JORH	ZN 1 MEAN	DAYS TO 50 % SILKING BAJA	KANG	JORH	ZN 1 MEAN	DAYS TO 50 % DRY HUSK BAJA	JORH	ZN 1 MEAN
1	BIO - 81009	59.0	47.0	52.8	52.9	62.0	50.0	57.5	56.5	111.8	89.3	100.5
2	BIO - 81096	62.5	48.5	51.0	54.0	64.8	51.5	55.3	57.2	112.8	88.8	100.8
	CHECKS:											
3	NAVJOT	57.5	48.8	51.8	52.7	60.5	51.5	56.3	56.1	107.3	89.8	98.5
4	DECCAN - 107	62.3	48.5	49.8	53.5	64.5	51.5	54.0	56.7	108.8	88.5	98.6
5	KH 510	63.0	46.8	49.8	53.2	65.0	49.5	53.0	55.8	107.5	88.5	98.0
	MEAN LOCATION	60.8	47.9	51.0	53.3	63.3	50.8	55.2	56.4	109.6	88.9	99.3
	C.D. AT 5%=	1.9	1.1	1.9	1.6	2.3	1.0	2.1	1.8	1.5	1.2	1.4
	C.V. % =	2.0	1.4	2.4	-	2.3	1.2	2.4	-	0.9	0.9	-
	F (Prob)	.000	.003	.020	-	.003	.001	.004	-	.000	.152	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST BAJA	KANG	JORH	ZN 1 MEAN	PLANT ASPECT * BAJA	KANG	JORH	ZN 1 MEAN	EAR ASPECT * BAJA	KANG	JORH	ZN 1 MEAN
1	BIO - 81009	29.9	23.6	24.6	26.0	2.5	1.0	1.6	1.7	2.3	2.5	1.5	2.1
2	BIO - 81096	30.4	25.6	24.6	26.9	2.5	1.3	1.5	1.8	2.3	2.5	1.6	2.1
	CHECKS:												
3	NAVJOT	27.5	23.0	26.2	25.6	2.9	2.0	1.5	2.1	2.8	2.3	1.5	2.2
4	DECCAN - 107	29.6	25.1	25.9	26.9	2.6	2.5	1.5	2.2	2.5	2.3	1.5	2.1
5	KH 510	31.3	21.0	24.5	25.6	2.4	1.5	1.6	1.8	2.4	2.3	1.6	2.1
	MEAN LOCATION	29.7	23.6	25.2	26.2	2.6	1.6	1.6	1.9	2.4	2.3	1.6	2.1
	C.D. AT 5%=	1.8	2.5	0.7	1.7	0.3	1.2	0.2	0.5	0.4	0.9	0.1	0.5
	C.V. % =	4.0	6.9	1.7	-	6.4	46.3	6.3	-	10.6	24.9	4.3	-
	F (Prob)	.009	.013	.000	-	.011	.099	.676	-	.087	.922	.156	-

TABLE NO. 29 (CONT.)

Sl No	PEDIGREE	HUSK COVER * BAJA	JORH	ZN 1 MEAN	UNIFORMITY * BAJA	JORH	ZN 1 MEAN	PLANT HEIGHT (cm) BAJA	KANG	JORH	ZN 1 MEAN
1	BIO - 81009	2.1	2.3	2.2	2.4	1.8	2.1	191	256	163	203
2	BIO - 81096	2.0	1.9	1.9	2.3	1.8	2.0	175	251	166	197
	CHECKS:										
3	NAVJOT	2.4	1.9	2.1	2.4	1.8	2.1	185	253	165	201
4	DECCAN - 107	2.3	2.1	2.2	2.5	1.6	2.1	185	256	153	198
5	KH 510	2.0	1.9	2.0	2.4	1.9	2.1	180	257	150	196
	MEAN LOCATION	2.2	2.0	2.1	2.4	1.8	2.1	183	255	159	199
	C.D. AT 5%=	0.3	0.4	0.4	0.3	0.3	0.3	12.6	16.1	18.3	15.7
	C.V. % =	10.2	13.5	-	9.2	9.6	-	4.5	4.1	7.5	-
	F (Prob)	.128	.172	-	.636	.385	-	.149	.886	.248	-

Sl No	PEDIGREE	EAR HEIGHT (cm) BAJA	KANG	JORH	ZN 1 MEAN	H. turc.* BAJA	H. may.* BAJA	EAR No. /PLANT KANG	STAND AT HARVEST BAJA	KANG	JORH	ZN 1 MEAN
1	BIO - 81009	82	116	51	83	1.5	1.4	1.00	90	73	51	71
2	BIO - 81096	71	121	54	82	1.5	1.1	0.97	82	79	54	71
	CHECKS:											
3	NAVJOT	89	122	59	90	2.8	1.8	0.96	80	78	56	71
4	DECCAN - 107	75	125	49	83	1.8	1.4	0.98	80	67	52	66
5	KH 510	83	119	48	83	1.5	1.1	1.00	81	68	46	65
	MEAN LOCATION	80	121	52	84	1.8	1.4	-	82	73	52	69
	C.D. AT 5%=	13.4	10.5	14.0	12.6	0.3	0.4	-	4.2	14.5	9.1	9.3
	C.V. % =	10.9	5.6	17.4	-	10.1	20.8	-	3.3	13.0	11.4	-
	F (Prob)	.092	.453	.529	-	.000	.048	-	.001	.302	.245	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 30

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT DELHI, LUDHIANA, KARNAL, PANTNAGAR IN AET 2nd YEAR, TRIAL No. TR70_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 2		GRAIN YIELD % SUPERIORITY OVER THE NAVJOT				ZN 2
		DELH	R	LUDH	R	KARN	R	PANT	R	MEAN	R	DELH	LUDH	KARN	PANT	MEAN
1	HKH - 1170	5086	3	5751	3	5506	2	2769	5	4778	3	16.69	17.41	36.18	0.80	19.10
2	HKH - 1171	5006	4	5119	4	5321	3	3119	4	4641	4	14.86	4.50	31.60	13.55	15.69
3	X - 46172	5604	1	5785	2	5528	1	3337	3	5064	1	28.58	18.11	36.73	21.49	26.22
4	BIO - 91116	5343	2	5899	1	4323	4	3990	1	4889	2	22.58	20.43	6.92	45.23	21.86
	CHECKS:															
5	NAVJOT	4359	6	4898	5	4043	6	2747	6	4012	6	-	-	-	-	-
6	DECCAN - 107	4075	7	4575	7	3896	7	2715	7	3815	7	-	-	-	-	-
7	KH 510	4773	5	4757	6	4070	5	3799	2	4350	5	9.51	-	0.68	38.27	8.43
	MEAN YIELD=	4892		5255		4670		3211		4507						
	MEAN STAND	110		102		76		105		98						
	C.D. AT 5%=	1050		1046		515		499		777						
	C.V. % =	12.17		13.50		6.25		10.53		-						
	F (Prob)	.041		.001		.000		.000								
	PLOT SIZE=	22.50		15.60		11.70		22.50		-						
	AGRONOMY DATA:															
	SOWING DATE(2002)	4-07		5-07		27-06		28-06		-						
	HARVEST DATE(2002)	16-10		10-10		23-09		12-10		-						
	IRRIGATION Nos	-		8		3		2		-						
	FERTILIZER APP.N	120		125		150		120		-						
	P	80		60		60		60		-						
	K	60		30		60		-		-						

TABLE NO. 30 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 DELH	LUDH	KARN	PANT	ZN 2 MEAN	KH 510 DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	HKH - 1170	24.80	25.71	41.31	1.98	25.23	6.55	20.89	35.26	-	9.84
2	HKH - 1171	22.84	11.89	36.55	14.88	21.64	4.88	7.60	30.71	-	6.70
3	X - 46172	37.52	26.45	41.88	22.91	32.72	17.42	21.61	35.81	-	16.41
4	BIO - 91116	31.10	28.94	10.94	46.94	28.12	11.93	24.00	6.19	5.04	12.38
	CHECKS:										
5	NAVJOT	6.95	7.07	3.76	1.17	5.14	-	2.96	-	-	-
6	DECCAN - 107	-	-	-	-	-	-	-	-	-	-
7	KH 510	17.12	3.99	4.47	39.89	14.01	-	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED DELH	LUDH	KARN	ZN 2 MEAN	DAYS TO 50 % SILKING DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	HKH - 1170	49.0	50.0	48.7	49.2	52.7	52.3	52.0	58.3	53.8
2	HKH - 1171	47.3	50.8	45.3	47.8	49.3	52.3	48.0	56.8	51.6
3	X - 46172	50.3	50.8	50.3	50.5	53.3	54.8	51.7	59.0	54.7
4	BIO - 91116	47.7	49.8	49.7	49.0	50.3	52.3	50.0	57.5	52.5
	CHECKS:									
5	NAVJOT	44.7	48.8	48.3	47.3	50.3	51.8	50.3	57.8	52.5
6	DECCAN - 107	48.3	50.5	48.7	49.2	53.0	54.3	51.7	60.5	54.9
7	KH 510	46.7	48.5	49.0	48.1	50.0	51.3	51.3	57.8	52.6
	MEAN LOCATION	47.7	49.9	48.6	48.7	51.3	52.7	50.7	58.2	53.2
	C.D. AT 5%=	2.3	1.4	1.0	1.6	2.5	2.0	1.9	2.0	2.1
	C.V. % =	2.7	1.9	1.1	-	2.8	2.5	2.1	2.3	-
	F (Prob)	.005	.016	.000	-	.018	.012	.008	.024	-

TABLE NO. 30 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST DELH	LUDH	KARN	PANT	ZN 2 MEAN	PLANT ASP.* DELH	EAR ASP.* DELH	PLANT HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN
1	HKH - 1170	25.7	23.5	14.0	22.7	21.5	2.0	1.5	195	175	167	187	181
2	HKH - 1171	25.0	23.0	13.3	24.4	21.4	2.0	2.0	198	163	183	184	182
3	X - 46172	33.7	25.8	14.9	30.9	26.3	2.3	1.5	223	186	215	.201	206
4	BIO - 91116	26.5	22.9	14.9	26.6	22.7	2.3	1.8	233	196	203	216	212
	CHECKS:												
5	NAVJOT	25.3	22.7	13.8	22.4	21.0	2.5	2.3	215	186	172	201	193
6	DECCAN - 107	22.9	24.5	14.2	26.6	22.0	2.5	2.2	220	189	210	205	206
7	KH 510	30.0	24.2	15.0	30.1	24.8	2.5	2.0	215	178	185	204	195
	MEAN LOCATION	27.0	23.8	14.3	26.2	22.8	2.3	1.9	214	182	191	199	196
	C.D. AT 5%=	1.9	1.0	0.4	1.8	1.3	0.2	0.3	18.3	17.6	12.0	16.4	16.1
	C.V. % =	4.0	2.7	1.5	4.6	-	5.3	8.8	4.8	6.5	3.5	5.5	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.008	.018	.000	.010	-

Sl No	PEDIGREE	EAR HEIGHT (cm) DELH	LUDH	KARN	PANT	ZN 2 MEAN	PFSR* ZN 2 LUDH	EAR No. /PLANT DELH	LUDH	STAND AT HARVEST DELH	LUDH	KARN	PANT
1	HKH - 1170	80	83	85	80	82	1.0	0.99	1.05	115	99	72	101
2	HKH - 1171	80	75	105	73	83	1.0	1.05	1.10	114	96	71	109
3	X - 46172	100	95	110	81	97	1.5	1.06	1.02	113	113	79	106
4	BIO - 91116	93	86	102	73	88	1.0	1.02	1.02	109	108	79	111
	CHECKS:												
5	NAVJOT	108	94	87	90	94	1.0	1.09	1.06	108	93	76	86
6	DECCAN - 107	90	89	100	86	91	2.8	1.01	1.05	112	93	74	108
7	KH 510	100	90	77	85	88	3.0	0.96	1.04	99	110	78	113
	MEAN LOCATION	93	87	95	81	89	1.6	-	-	110	102	76	105
	C.D. AT 5%=	17.9	12.5	11.0	12.4	13.4	0.9	-	-	11.2	10.7	7.1	17.8
	C.V. % =	10.8	9.6	6.5	10.3	-	38.2	-	-	5.7	7.1	5.3	11.4
	F (Prob)	.040	.047	.000	.068	-	.000	-	-	.131	.002	.132	.072

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 31

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT BELIPAR GORAKHPUR, VARANASI RANCHI, JASHIPUR, AMBIKAPUR IN AET 2nd YEAR, TRIAL No. TR70_3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GORA BELI	R	VARA	R	RANC	R	JASH	R	AMBI	R	ZN 3 MEAN	R
1	JKMH - 168	4843	2	6719	3	5094	3	5117	6	7158	2	5786	4
2	BIO - 81009	4055	4	6591	5	4671	6	5347	5	6274	6	5388	5
3	BIO - 81096	3888	8	6051	7	4358	8	5944	4	6678	3	5384	6
4	X - 46172	5552	1	6488	6	6114	1	6936	1	6532	4	6324	1
5	BIO - 91116	4048	5	7154	2	4759	5	5987	3	7240	1	5838	3
6	PRO - 345	3918	7	7430	1	5226	2	6489	2	6392	5	5891	2
	CHECKS:												
7	NAVJOT	3492	9	4602	9	2666	9	4757	9	5193	9	4142	9
8	DECCAN - 107	4132	3	5928	8	4442	7	4857	8	5639	8	5000	8
9	KH - 510	3964	6	6685	4	4881	4	5015	7	6180	7	5345	7
	MEAN YIELD=	4210		6405		4690		5605		6365		5455	
	MEAN STAND	102		104		63		90		109		94	
	C.D. AT 5%=	254		439		1299		314		869		635	
	C.V. % =	4.15		4.72		16.07		3.86		9.40		-	
	F (Prob)	.000		.000		.248		.000		.000		-	
	PLOT SIZE=	18.00		22.50		17.50		18.00		22.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	2-07		9-07		22-07		28-06		22-06		-	
	HARVEST DATE(2002)	4-10		15-10		3-11		7-10		-		-	
	IRRIGATION Nos	-		2		2		-		-		-	
	FERTILIZER APPLIED N	120		100		100		120		100		-	
	P	60		60		60		60		50		-	
	K	60		40		40		60		30		-	

TABLE NO. 31 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	38.69	46.00	91.03	7.58	37.85	39.70
2	BIO - 81009	16.14	43.22	75.17	12.42	20.83	30.08
3	BIO - 81096	11.35	31.49	63.43	24.96	28.60	29.98
4	X - 46172	59.00	40.99	129.27	45.81	25.80	52.69
5	BIO - 91116	15.94	55.45	78.48	25.86	39.43	40.94
6	PRO - 345	12.21	61.46	95.98	36.43	23.09	42.23
	CHECKS:						
7	NAVJOT	-	-	-	-	-	-
8	DECCAN - 107	18.33	28.81	66.60	2.10	8.60	20.71
9	KH - 510	13.51	45.26	83.07	5.43	19.01	29.04

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	17.21	13.34	14.66	5.36	26.93	15.73
2	BIO - 81009	-	11.18	5.14	10.11	11.26	7.76
3	BIO - 81096	-	2.08	-	22.39	18.41	7.68
4	X - 46172	34.38	9.45	37.62	42.81	15.83	26.50
5	BIO - 91116	-	20.68	7.13	23.27	28.39	16.76
6	PRO - 345	-	25.34	17.63	33.62	13.34	17.83
	CHECKS:						
7	NAVJOT	-	-	-	-	-	-
8	DECCAN - 107	-	-	-	-	-	-
9	KH - 510	-	12.77	9.88	3.26	9.58	6.91

TABLE NO. 31 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE KH - 510 GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % POLLEN SHED GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	22.18	0.51	4.35	2.04	15.83	8.25	56.3	50.3	48.7	51.5	50.3	51.4
2	BIO - 81009	2.31	-	-	6.63	1.53	0.80	58.0	49.3	49.7	50.8	49.5	51.4
3	BIO - 81096	-	-	-	18.53	8.06	0.73	57.0	50.3	49.3	50.5	47.0	50.8
4	X - 46172	40.07	-	25.24	38.30	5.70	18.32	56.3	51.5	50.0	52.0	51.8	52.3
5	BIO - 91116	2.13	7.01	-	19.38	17.16	9.22	58.3	49.5	48.7	51.3	48.8	51.3
6	PRO - 345	-	11.15	7.05	29.41	3.43	10.22	55.8	49.0	49.3	50.0	49.8	50.8
	CHECKS:												
7	NAVJOT	-	-	-	-	-	-	60.3	48.0	47.0	49.0	47.5	50.3
8	DECCAN - 107	4.24	-	-	-	-	-	59.0	49.8	49.3	51.0	52.3	52.3
9	KH - 510	-	-	-	-	-	-	55.3	49.8	49.0	50.3	47.5	50.3
	MEAN LOCATION	-	-	-	-	-	-	57.3	49.7	49.0	50.7	49.4	51.2
	C.D. AT 5%=	-	-	-	-	-	-	0.6	1.2	1.0	1.2	1.9	1.2
	C.V. % =	-	-	-	-	-	-	0.7	1.6	1.2	1.7	2.7	-
	F (Prob)	-	-	-	-	-	-	.000	.000	.000	.002	.000	-

Sl No	PEDIGREE	DAYS TO 50 % SILKING GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % DRY HUSK GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	58.8	54.3	53.0	54.5	55.3	55.2	89.0	90.8	84.7	86.8	99.7	90.2
2	BIO - 81009	60.5	53.5	53.0	54.0	54.0	55.0	90.5	90.3	83.3	88.0	98.3	90.1
3	BIO - 81096	59.8	54.3	52.7	53.0	51.8	54.3	88.5	86.0	84.0	85.0	100.0	88.7
4	X - 46172	58.5	55.5	53.7	54.8	57.0	55.9	89.8	90.5	87.3	89.3	102.0	91.8
5	BIO - 91116	60.8	53.8	52.0	53.8	53.5	54.8	89.3	89.5	85.3	88.5	99.7	90.4
6	PRO - 345	58.3	53.0	52.3	52.5	54.3	54.1	89.5	86.8	86.7	87.8	98.7	89.9
	CHECKS:												
7	NAVJOT	62.5	53.5	51.3	53.0	52.8	54.6	85.3	87.0	82.0	86.0	99.3	87.9
8	DECCAN - 107	61.5	54.0	53.3	55.5	57.0	56.3	88.3	90.5	85.7	89.0	100.0	90.7
9	KH - 510	58.0	54.0	52.7	53.3	52.5	54.1	87.3	86.8	82.0	85.8	99.3	88.2
	MEAN LOCATION	59.8	54.0	52.7	53.8	54.2	54.9	88.6	88.7	84.6	87.3	99.7	89.8
	C.D. AT 5%=	0.9	1.3	1.5	1.4	2.0	1.4	0.8	2.4	2.8	1.9	2.2	2.0
	C.V. % =	1.1	1.7	1.7	1.8	2.5	-	0.6	1.8	1.9	1.5	1.5	-
	F (Prob)	.000	.046	.125	.003	.000	-	.000	.000	.009	.001	.098	-

TABLE NO. 31 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *				EAR ASPECT *			
		GORA BELI	VARA	RANC	JASH	ZN 3 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN
1	JKMH - 168	30.3	35.4	23.6	22.8	28.0	2.3	2.3	2.0	2.2	2.4	2.5	1.5	2.1
2	BIO - 81009	30.1	35.0	23.1	22.1	27.6	2.8	2.3	2.0	2.3	2.8	1.8	1.5	2.0
3	BIO - 81096	28.6	33.2	25.1	22.4	27.3	2.9	3.0	1.0	2.3	2.6	2.3	1.0	2.0
4	X - 46172	30.8	34.7	22.6	22.6	27.7	1.9	2.5	1.0	1.8	2.0	2.0	1.0	1.7
5	BIO - 91116	30.7	34.9	22.2	22.0	27.5	2.4	2.0	2.0	2.1	2.8	2.0	2.0	2.3
6	PRO - 345	29.0	34.3	24.1	22.0	27.4	2.4	2.5	1.0	2.0	2.8	2.0	1.3	2.0
	CHECKS:													
7	NAVJOT	27.4	33.9	22.9	21.9	26.5	2.8	3.0	3.0	2.9	2.9	3.0	3.0	3.0
8	DECCAN - 107	30.5	34.2	23.2	22.6	27.6	2.9	2.3	2.5	2.5	2.8	2.5	2.8	2.7
9	KH - 510	29.0	34.8	23.9	22.3	27.5	2.4	2.5	1.3	2.0	2.5	1.8	2.0	2.1
	MEAN LOCATION	29.6	34.5	23.4	22.3	27.4	2.5	2.5	1.8	2.2	2.6	2.2	1.8	2.2
	C.D. AT 5%=	0.5	0.3	0.9	0.2	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
	C.V. % =	1.2	0.7	2.3	0.6	-	10.5	10.9	14.0	-	10.3	12.3	19.3	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.000	-	.003	.000	.000	-

Sl No	PEDIGREE	HUSK COVER *				UNIFORMITY *				PLANT HEIGHT (cm)					
		GORA BELI	VARA	JASH	ZN 3 MEAN	GORA BELI	VARA	JASH	ZN 3 MEAN	GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	2.1	2.5	2.5	2.4	2.5	2.8	2.0	2.4	148	222	189	169	221	190
2	BIO - 81009	2.6	2.3	1.8	2.2	2.5	1.8	2.3	2.2	145	215	187	182	230	192
3	BIO - 81096	3.0	2.0	2.3	2.4	2.9	2.5	2.3	2.5	137	210	179	166	229	184
4	X - 46172	1.5	1.8	1.8	1.7	2.1	1.3	2.0	1.8	155	214	191	180	223	192
5	BIO - 91116	2.5	2.3	1.5	2.1	2.6	2.5	2.3	2.5	156	228	194	185	238	200
6	PRO - 345	2.8	1.8	2.3	2.3	2.8	2.0	2.0	2.3	131	230	179	180	218	187
	CHECKS:														
7	NAVJOT	3.1	2.8	2.8	2.9	2.8	3.5	3.5	3.3	144	206	186	185	213	187
8	DECCAN - 107	2.9	2.5	3.3	2.9	2.6	2.5	3.5	2.9	141	222	196	186	235	196
9	KH - 510	2.5	1.8	1.5	1.9	2.8	2.5	2.0	2.4	137	217	184	188	235	192
	MEAN LOCATION	2.6	2.2	2.2	2.3	2.6	2.4	2.4	2.5	144	218	187	180	227	191
	C.D. AT 5%=	0.4	0.4	0.8	0.5	0.3	0.5	0.6	0.5	18.9	8.0	12.7	4.2	15.2	11.8
	C.V. % =	10.0	12.5	26.4	-	8.2	14.2	17.2	-	9.0	2.5	3.9	1.6	4.6	-
	F (Prob)	.000	.000	.002	-	.003	.000	.000	-	.154	.000	.114	.000	.022	-

TABLE NO. 31 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN	H.maydis * GORA BELI	JASH	ZN 3 MEAN	BLSB* ZN 3 JASH
1	JKMH - 168	59	80	82	70	91	76	1.3	1.5	1.4	2.3
2	BIO - 81009	52	82	77	74	80	73	1.8	1.5	1.6	2.8
3	BIO - 81096	48	62	73	73	76	66	1.9	1.9	1.9	2.9
4	X - 46172	68	76	87	83	79	78	1.3	1.8	1.5	2.4
5	BIO - 91116	57	88	82	77	82	77	1.6	2.0	1.8	2.8
6	PRO - 345	55	101	83	80	81	80	2.0	1.8	1.9	2.5
	CHECKS:										
7	NAVJOT	59	74	92	83	77	77	1.8	3.4	2.6	3.0
8	DECCAN - 107	56	85	88	87	90	81	1.5	3.4	2.4	2.6
9	KH - 510	54	82	80	85	85	77	1.6	1.8	1.7	2.8
	MEAN LOCATION	56	81	83	79	82	76	1.6	2.1	1.9	2.7
	C.D. AT 5%=	16.8	9.8	12.8	4.3	9.0	10.6	0.6	0.5	0.5	0.6
	C.V. % =	20.4	8.3	9.0	3.7	7.5	-	23.6	15.9	-	16.0
	F (Prob)	.470	.000	.154	.000	.018	-	.127	.000	-	.298

Sl No	PEDIGREE	EAR No./PLANT GORA BELI	VARA	RANC	AMBI	ZN 3 MEAN	STAND AT HARVEST GORA BELI	VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	JKMH - 168	0.99	1.09	0.82	1.06	0.99	104	105	69	94	111	97
2	BIO - 81009	0.98	1.08	0.75	1.08	0.97	104	100	70	97	131	100
3	BIO - 81096	0.99	1.07	0.93	1.05	1.01	99	103	63	87	106	92
4	X - 46172	0.98	1.08	0.91	1.07	1.01	107	107	59	93	108	95
5	BIO - 91116	0.98	1.06	0.90	1.05	1.00	98	106	66	89	106	93
6	PRO - 345	0.97	1.08	0.96	1.14	1.04	100	112	55	95	105	93
	CHECKS:											
7	NAVJOT	0.98	1.08	0.90	1.04	1.00	99	101	67	87	103	91
8	DECCAN - 107	0.98	1.03	0.85	1.10	0.99	102	101	56	82	101	88
9	KH - 510	0.98	1.12	0.79	0.92	0.95	106	102	60	89	110	93
	MEAN LOCATION	-	-	-	-	-	102	104	63	90	109	94
	C.D. AT 5%=	-	-	-	-	-	4.1	6.1	13.1	8.0	22.6	10.7
	C.V. % =	-	-	-	-	-	2.7	4.0	12.0	6.0	14.2	-
	F (Prob)	-	-	-	-	-	.001	.015	.176	.015	.267	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 32

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, COIMBATORE, KOLHAPUR IN AET 2nd YEAR, TRIAL No. TR70_4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 4	
		HYDE	R	KARI	R	ARBH	R	MAND	R	COIM	R	KOLH	R	MEAN	R
1	R - 9702	2751	5	4493	3	4183	4	6758	4	6320	1	2811	4	4553	5
2	B H - 1576	4109	2	6558	1	5001	3	7998	3	5639	4	4494	2	5633	2
3	A H - 918	3122	4	4359	4	3541	6	6136	5	5770	2	-		4586	4
	CHECKS:														
4	NAVJOT	2644	6	3617	6	3784	5	5696	6	5342	6	2493	5	3929	6
5	DECCAN - 107	3171	3	4208	5	5510	2	8154	2	5459	5	3293	3	4966	3
6	KH 510	5011	1	4980	2	5918	1	9046	1	5769	3	4687	1	5902	1
	MEAN YIELD=	3468		4702		4656		7298		5716		2963		4801	
	MEAN STAND	66		123		116		101		113		99		103	
	C.D. AT 5%=	642		918		1274		1515		526		509		897	
	C.V. % =	12.42		13.09		18.34		11.55		6.16		7.74		-	
	F (Prob)	.001		.000		.034		.003		.010		.000		-	
	PLOT SIZE=	22.50		22.50		22.50		17.50		22.50		22.50		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	3-07		1-08		17-07		25-07		5-07		20-07		-	
	HARVEST DATE(2002)	22-10		18-11		11-11		20-11		15-10		15-11		-	
	IRRIGATION Nos	6		5		7		5		8		1		-	
	FERTILIZER APPLIED N	120		120		150		150		135		100		-	
	P	60		60		75		75		63		50		-	
	K	30		30		38		40		50		30		-	

TABLE NO. 32 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE NAVJOT

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	4.06	24.21	10.56	18.64	18.31	12.77	15.87
2	B H - 1576	55.43	81.30	32.18	40.41	5.58	80.26	43.37
3	A H - 918	18.10	20.50	-	7.72	8.02	-	16.71
	CHECKS:							
4	NAVJOT	-	-	-	-	-	-	-
5	DECCAN - 107	19.95	16.34	45.63	43.15	2.19	32.08	26.38
6	KH 510	89.57	37.69	56.42	58.81	8.00	88.01	50.21

GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	-	6.76	-	-	15.77	-	-
2	B H - 1576	29.58	55.83	-	-	3.31	36.48	13.44
3	A H - 918	-	3.57	-	-	5.70	-	-
	CHECKS:							
4	NAVJOT	-	-	-	-	-	-	-
5	DECCAN - 107	-	-	-	-	-	-	-
6	KH 510	58.04	18.35	7.41	10.94	5.68	42.34	18.85

GRAIN YIELD % SUPERIORITY OVER THE KH 510

Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	-	-	-	-	9.55	-	-
2	B H - 1576	-	31.67	-	-	-	-	-
3	A H - 918	-	-	-	-	0.02	-	-
	CHECKS:							
4	NAVJOT	-	-	-	-	-	-	-
5	DECCAN - 107	-	-	-	-	-	-	-
6	KH 510	-	-	-	-	-	-	-

TABLE NO. 32 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED							DAYS TO 50 % SILKING						
		HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	55.8	53.3	56.8	52.7	50.0	60.0	54.7	58.0	54.5	58.3	54.3	52.5	62.0	56.6
2	B H - 1576	60.5	52.3	59.5	52.0	55.0	61.7	56.8	59.8	54.0	61.0	55.0	58.0	63.0	58.5
3	A H - 918	56.3	51.8	57.5	50.3	52.5	-	53.7	58.5	54.0	60.5	53.0	55.3	-	56.3
	CHECKS:														
4	NAVJOT	55.3	52.0	55.3	49.3	51.0	58.7	53.6	58.3	54.0	57.0	51.0	54.5	60.7	55.9
5	DECCAN - 107	61.0	52.5	58.5	52.3	53.0	61.3	56.4	63.0	55.3	61.8	55.0	56.5	62.7	59.0
6	KH 510	55.3	52.0	56.8	50.3	50.5	60.7	54.2	57.8	53.5	59.0	52.7	53.0	62.3	56.4
	MEAN LOCATION	57.3	52.3	57.4	51.2	52.0	60.5	55.1	59.2	54.2	59.6	53.5	55.0	62.1	57.3
	C.D. AT 5%=	2.3	1.4	2.4	2.2	1.0	2.6	2.0	3.9	1.1	1.8	2.2	1.2	2.3	2.1
	C.V. % =	2.7	1.8	2.8	2.3	1.3	2.3	-	4.4	1.4	2.0	2.3	1.5	1.9	-
	F (Prob)	.000	.301	.027	.035	.000	.163	-	.092	.077	.000	.015	.000	.243	-

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK						MOISTURE % AT HARVEST					
		HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	91.5	89.5	92.0	97.5	93.7	92.8	23.0	23.7	20.9	20.5	16.9	21.0
2	B H - 1576	99.3	92.3	97.3	101.0	94.3	96.8	23.7	27.8	20.9	19.9	15.7	21.6
3	A H - 918	90.0	91.3	93.0	100.0	-	93.6	24.0	26.4	20.5	18.6	-	22.4
	CHECKS:												
4	NAVJOT	91.5	90.0	93.0	99.0	92.0	93.1	23.5	20.1	21.5	19.1	16.7	20.2
5	DECCAN - 107	95.0	91.5	93.7	98.5	94.0	94.5	26.3	22.7	20.0	19.9	16.3	21.0
6	KH 510	94.3	89.3	92.3	98.0	94.3	93.6	22.1	23.9	20.4	18.6	15.8	20.2
	MEAN LOCATION	93.6	90.6	93.6	99.0	93.7	94.1	23.8	24.1	20.7	19.4	16.3	20.9
	C.D. AT 5%=	2.6	2.8	3.3	2.2	1.9	2.6	1.2	2.1	1.8	1.4	1.9	1.7
	C.V. % =	1.9	2.0	1.9	1.5	1.1	-	3.3	5.8	4.9	4.7	6.2	-
	F (Prob)	.000	.185	.045	.040	.105	-	.000	.000	.586	.049	.546	-

TABLE NO. 32 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	EAR ASPECT * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	2.5	2.8	3.0	2.7	1.8	2.2	2.5	2.6	1.5	2.8	3.0	2.0	1.8	2.3
2	B H - 1576	2.5	1.0	2.8	2.3	1.3	2.0	2.0	2.4	1.3	1.8	3.0	1.8	1.7	2.0
3	A H - 918	2.6	2.3	2.8	2.3	2.0	-	2.4	2.5	1.8	2.0	2.0	1.5	-	2.0
	CHECKS:														
4	NAVJOT	2.8	2.5	3.0	2.3	1.8	2.3	2.4	2.8	1.8	2.5	2.3	2.0	1.8	2.2
5	DECCAN - 107	2.5	2.8	2.5	2.0	2.0	2.5	2.4	2.3	2.8	2.8	2.0	2.3	2.0	2.3
6	KH 510	2.5	3.0	2.0	1.3	1.8	1.8	2.1	2.1	1.8	2.0	2.0	1.3	1.5	1.8
	MEAN LOCATION	2.6	2.4	2.7	2.2	1.8	2.2	2.3	2.4	1.8	2.3	2.4	1.8	1.8	2.1
	C.D. AT 5%=	0.4	0.9	0.2	0.9	0.7	0.6	0.6	0.3	0.8	0.2	0.9	0.9	0.6	0.6
	C.V. % =	9.1	23.8	4.0	22.3	24.8	14.3	-	8.8	28.7	6.7	21.2	32.6	17.5	-
	F (Prob)	.568	.002	.000	.084	.223	.163	-	.009	.017	.000	.076	.224	.407	-

Sl No	PEDIGREE	HUSK COVER * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	UNIFORMITY * HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	2.6	1.8	3.0	2.0	2.0	2.3	2.3	2.8	3.3	2.8	3.0	2.5	2.7	2.8
2	B H - 1576	2.6	2.8	3.0	3.3	1.3	2.3	2.5	2.5	1.5	2.5	2.3	2.5	2.3	2.3
3	A H - 918	2.8	1.5	2.5	2.0	1.5	-	2.0	2.6	3.3	2.5	2.3	2.3	-	2.6
	CHECKS:														
4	NAVJOT	2.4	1.8	2.8	2.0	2.0	2.3	2.2	2.8	3.0	3.0	2.7	3.0	2.5	2.8
5	DECCAN - 107	2.5	2.5	2.5	2.0	1.8	2.5	2.3	2.5	3.0	2.5	3.0	2.5	2.5	2.7
6	KH 510	2.5	1.5	2.0	1.3	2.0	2.2	1.9	2.8	2.5	2.5	2.0	2.0	2.2	2.3
	MEAN LOCATION	2.6	2.0	2.6	2.1	1.8	2.3	2.2	2.6	2.8	2.6	2.6	2.5	2.4	2.6
	C.D. AT 5%=	0.4	0.9	0.1	0.6	0.7	0.5	0.6	0.4	0.6	0.4	0.8	1.1	0.5	0.6
	C.V. % =	10.6	30.8	3.2	16.6	28.3	12.1	-	8.9	15.3	10.3	17.0	30.2	9.9	-
	F (Prob)	.492	.039	.000	.001	.211	.720	-	.400	.000	.089	.094	.567	.212	-

TABLE NO. 32 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) KARI	MAND	COIM	KOLH	ZN 4 MEAN	EAR HEIGHT (cm) KARI	MAND	COIM	KOLH	ZN 4 MEAN	H. tur.* KOLH
1	R - 9702	158	205	175	137	169	70	101	81	60	78	2.7
2	B H - 1576	174	207	172	143	174	70	100	77	52	75	2.2
3	A H - 918	171	197	180	-	182	76	95	76	-	83	-
	CHECKS:											
4	NAVJOT	167	205	176	142	172	67	100	70	63	75	2.3
5	DECCAN - 107	168	206	184	142	175	70	100	81	55	76	2.2
6	KH 510	164	204	172	140	170	62	98	64	50	69	2.0
	MEAN LOCATION	167	204	176	141	172	69	99	75	56	75	2.3
	C.D. AT 5%=	11.3	13.7	4.9	16.2	11.6	8.9	9.7	5.8	18.1	10.7	0.7
	C.V. % =	4.5	3.7	1.9	6.1	-	8.6	5.4	5.1	17.2	-	17.3
	F (Prob)	.136	.616	.000	.897	-	.083	.811	.000	.455	-	.366

Sl No	PEDIGREE	EAR No./PLANT HYDE	KARI	MAND	ZN 4 MEAN	STAND AT HARVEST HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	R - 9702	1.03	1.03	1.03	1.03	67	122	120	104	113	124	108
2	B H - 1576	1.03	1.03	0.83	0.93	60	123	114	100	114	116	104
3	A H - 918	1.03	1.03	0.93	1.03	68	129	103	100	113	-	102
	CHECKS:											
4	NAVJOT	1.03	1.03	0.93	1.03	62	123	111	97	113	97	101
5	DECCAN - 107	1.03	1.03	0.93	0.93	69	119	126	101	113	126	109
6	KH 510	1.03	1.03	0.93	1.03	71	123	124	107	113	129	111
	MEAN LOCATION	-	-	-	-	66	123	116	101	113	119	106
	C.D. AT 5%=	-	-	-	-	17.6	10.4	12.9	14.3	1.5	15.3	12.0
	C.V. % =	-	-	-	-	17.7	5.6	7.4	7.8	0.9	6.8	-
	F (Prob)	-	-	-	-	.760	.499	.018	.704	.463	.008	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 33

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, IN AET 2nd YEAR, TRIAL No. TR70_5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	BANS	R	GODH	R	ZN 5 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	7179	3	5041	1	3647	1	5289	1	58.06	37.97	24.77	42.71
2	R - 9702	4807	7	3416	6	2793	4	3672	8	5.84	-	-	-
3	B H - 1576	7125	4	5008	2	2507	7	4880	2	56.85	37.08	-	31.67
4	A H - 915	5158	6	4355	3	2669	5	4060	5	13.54	19.19	-	9.56
5	PRO - 345	7670	1	3206	8	2525	6	4467	4	68.86	-	-	20.53
	CHECKS:												
6	NAVJOT	4542	8	3653	5	2923	3	3706	7	-	-	-	-
7	DECCAN - 107	5361	5	3869	4	2456	8	3896	6	18.03	5.91	-	5.11
8	KH 510	7330	2	3301	7	3018	2	4550	3	61.38	-	3.24	22.76
	MEAN YIELD=	6147		3981		2817		4315					
	MEAN STAND	101		95		110		102					
	C.D. AT 5%=	444		501		581		509					
	C.V. % =	4.94		8.60		14.10		-					
	F (Prob)	.000		.000		.028							
	PLOT SIZE=	18.00		18.00		15.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		25-06		5-07		-					
	HARVEST DATE(2002)	30-09		22-10		10-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	100		80		100		-					
	P	60		60		50		-					
	K	-		-		-		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : CHHI 20.2%

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 UDAI	BANS	GODH	ZN 5 MEAN	OVER THE KH 510 UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	33.91	30.27	48.47	35.77	-	52.69	20.85	16.25
2	R - 9702	-	-	13.70	-	-	3.47	-	-
3	B H - 1576	32.89	29.43	2.08	25.27	-	51.70	-	7.26
4	A H - 915	-	12.55	8.66	4.23	-	31.91	-	-
5	PRO - 345	43.07	-	2.81	14.67	4.64	-	-	-
	CHECKS:								
6	NAVJOT	-	-	19.00	-	-	10.67	-	-
7	DECCAN - 107	-	-	-	-	-	17.21	-	-
8	KH 510	36.72	-	22.86	16.79	-	-	-	-

TABLE NO. 33 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK			
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	52.0	49.3	57.5	52.9	54.5	53.3	62.5	56.8	84.5	86.3	81.5	84.1
2	R - 9702	51.5	52.5	53.5	52.5	53.5	56.3	58.5	56.1	83.0	86.3	77.5	82.3
3	B H - 1576	53.5	51.5	55.5	53.5	55.8	55.0	59.5	56.8	87.0	86.8	78.5	84.1
4	A H - 915	53.5	51.0	54.5	53.0	56.0	54.3	59.5	56.6	84.0	86.3	78.5	82.9
5	PRO - 345	51.8	51.8	58.5	54.0	54.0	55.8	64.5	58.1	85.5	86.0	83.5	85.0
	CHECKS:												
6	NAVJOT	51.5	49.3	56.5	52.4	53.5	52.8	61.5	55.9	81.5	84.8	80.5	82.3
7	DECCAN - 107	53.0	47.8	56.5	52.4	55.0	51.8	61.5	56.1	84.5	86.3	80.5	83.8
8	KH 510	51.5	52.0	58.5	54.0	54.0	56.0	64.8	58.3	84.3	86.3	83.8	84.8
	MEAN LOCATION	52.3	50.6	56.4	53.1	54.5	54.4	61.5	56.8	84.3	86.1	80.5	83.6
	C.D. AT 5%=	1.0	1.8	0.8	1.2	1.1	1.7	0.8	1.2	1.2	3.2	0.8	1.7
	C.V. % =	1.4	2.4	1.0	-	1.4	2.2	0.9	-	1.0	2.5	0.7	-
	F (Prob)	.000	.000	.000	-	.000	.000	.000	-	.000	.948	.000	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				EAR ASPECT *			
		UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN	UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	18.9	16.3	17.8	17.6	2.0	2.1	2.8	2.3	1.9	2.1	3.0	2.3
2	R - 9702	19.1	16.4	18.8	18.1	2.3	2.0	2.5	2.3	2.4	2.0	2.9	2.4
3	B H - 1576	19.8	16.9	16.8	17.8	1.8	2.0	2.8	2.2	1.8	2.0	3.3	2.3
4	A H - 915	18.7	16.8	15.3	16.9	2.1	2.3	2.8	2.4	2.3	2.3	2.6	2.4
5	PRO - 345	19.5	16.8	15.8	17.4	1.6	2.4	3.0	2.3	1.6	2.4	3.0	2.3
	CHECKS:												
6	NAVJOT	18.8	16.5	15.5	16.9	2.5	2.3	2.8	2.5	2.4	2.1	2.9	2.5
7	DECCAN - 107	18.4	16.3	18.0	17.6	2.1	2.4	2.5	2.3	2.4	2.1	3.0	2.5
8	KH 510	19.9	16.5	16.3	17.6	1.5	2.1	2.8	2.1	1.8	2.1	3.0	2.3
	MEAN LOCATION	19.1	16.6	16.8	17.5	2.0	2.2	2.7	2.3	2.0	2.1	3.0	2.4
	C.D. AT 5%=	0.8	0.6	0.5	0.6	0.5	0.3	0.4	0.4	0.5	0.3	0.8	0.5
	C.V. % =	2.7	2.5	1.8	-	15.7	10.3	8.9	-	15.7	10.7	18.3	-
	F (Prob)	.003	.216	.000	-	.003	.148	.147	-	.005	.361	.875	-

TABLE NO. 33 (CONT.)

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	GODH	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	1.9	2.3	2.3	2.1	2.0	2.3	2.3	2.2	246	169	175	197
2	R - 9702	2.1	2.0	2.3	2.1	2.3	2.1	2.8	2.4	246	206	168	207
3	B H - 1576	3.5	2.0	3.3	2.9	2.3	2.0	3.0	2.4	240	174	155	190
4	A H - 915	2.0	2.3	2.0	2.1	2.4	2.0	2.5	2.3	231	160	158	183
5	PRO - 345	1.5	2.4	3.1	2.3	1.8	2.5	2.8	2.3	223	169	175	189
	CHECKS:												
6	NAVJOT	2.6	2.4	2.8	2.6	2.6	2.1	2.5	2.4	243	169	135	182
7	DECCAN - 107	1.9	2.4	2.8	2.3	2.0	2.4	2.3	2.2	258	184	185	209
8	KH 510	1.5	2.3	2.3	2.0	2.1	2.3	2.5	2.3	240	180	175	198
	MEAN LOCATION	2.1	2.2	2.6	2.3	2.2	2.2	2.6	2.3	241	176	166	194
	C.D. AT 5%=	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	15.7	9.0	7.1	10.6
	C.V. % =	10.9	12.1	9.6	-	11.1	10.1	8.5	-	4.4	3.5	2.9	-
	F (Prob)	.000	.288	.000	-	.002	.049	.001	-	.008	.000	.000	-

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	GODH	ZN 5 MEAN	EAR No./PLANT UDAI	BANS	GODH	ZN 5 MEAN	STAND AT HARVEST UDAI	BANS	GODH	ZN 5 MEAN
1	BIO - 91116	98	75	85	86	1.00	0.94	0.57	0.84	105	94	104	101
2	R - 9702	113	104	75	97	1.01	0.92	0.57	0.84	101	98	116	105
3	B H - 1576	101	83	79	88	0.97	0.95	0.57	0.83	106	96	111	104
4	A H - 915	114	84	81	93	0.99	0.95	0.62	0.85	96	89	109	98
5	PRO - 345	99	70	85	85	1.01	0.99	0.57	0.86	109	102	115	109
	CHECKS:												
6	NAVJOT	120	78	55	84	0.98	0.93	0.56	0.82	96	92	96	94
7	DECCAN - 107	99	89	83	90	0.99	0.95	0.58	0.84	99	98	122	107
8	KH 510	104	86	78	89	0.98	0.95	0.55	0.82	101	94	106	100
	MEAN LOCATION	106	83	78	89	-	-	-	-	101	95	110	102
	C.D. AT 5%=	9.3	10.5	7.2	9.0	-	-	-	-	4.3	8.0	18.3	10.2
	C.V. % =	6.0	8.5	6.3	-	-	-	-	-	2.9	5.7	11.3	-
	F (Prob)	.000	.000	.000	-	-	-	-	-	.000	.068	.177	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 34

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, KANGRA, JORHAT, IN AET 2nd YEAR, TRIAL No. TR71_1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ALMO	R	KANG	R	JORH	R	ZN 1 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE MEGHA ALMO	KANG	JORH	ZN 1 MEAN
1	E C - 1108	7474	1	3702	6	1868	4	4348	4	25.79	-	6.49	4.63
2	F H - 3138	6795	3	4992	2	2157	2	4648	2	14.36	4.62	22.96	11.84
	CHECKS:												
3	MEGHA	5941	5	4772	3	1754	5	4156	5	-	-	-	-
4	P E H M - 2	6104	4	6602	1	2202	1	4970	1	2.74	38.36	25.57	19.58
5	MAHI KANCHAN	5577	6	4426	4	1733	6	3912	6	-	-	-	-
6	X - 3342	6983	2	4421	5	2040	3	4481	3	17.53	-	16.31	7.84
	MEAN YIELD=	6479		4819		1959		4419					
	MEAN STAND	105		92		57		85					
	C.D. AT 5%=	615		853		587		685					
	C.V. % =	6.37		9.85		20.08		-					
	F (Prob)	.000		.000		.147		-					
	PLOT SIZE=	18.00		14.40		12.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	2-07		15-06		13-07		-					
	HARVEST DATE(2002)	24-10		21-09		17-10		-					
	IRRIGATION Nos	-		-		-		-					
	FERTILIZER APPLIED N	80		80		80		-					
	P	60		60		40		-					
	K	40		40		40		-					

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMIA 67.9%

TABLE NO. 34 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 2 ZN 1 MEAN				MAHI KANCHAN ZN 1 MEAN			
		ALMO	KANG	JORH		ALMO	KANG	JORH	
1	E C - 1108	22.43	-	-	-	34.02	-	7.79	11.15
2	F H - 3138	11.31	-	-	-	21.85	12.78	24.46	18.81
	CHECKS:								
3	MEGHA	-	-	-	-	6.54	7.80	1.22	6.23
4	P E H M - 2	-	-	-	-	9.46	49.15	27.10	27.04
5	MAHI KANCHAN	-	-	-	-	-	-	-	-
6	X - 3342	14.40	-	-	-	25.22	-	17.73	14.56

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 ZN 1 MEAN				DAYS TO 50% POLLEN SHED ZN 1 MEAN			
		ALMO	KANG	JORH		ALMO	KANG	JORH	
1	E C - 1108	7.03	-	-	-	50.8	48.3	49.3	49.4
2	F H - 3138	-	12.92	5.72	3.72	55.0	48.3	48.5	50.6
	CHECKS:								
3	MEGHA	-	7.93	-	-	54.5	48.3	49.0	50.6
4	P E H M - 2	-	49.33	7.96	10.89	53.0	47.7	48.0	49.6
5	MAHI KANCHAN	-	0.12	-	-	52.3	47.0	49.5	49.6
6	X - 3342	-	-	-	-	52.0	49.3	47.8	49.7
	MEAN LOCATION	-	-	-	-	52.9	48.2	48.7	49.9
	C.D. AT 5%=	-	-	-	-	0.9	2.2	0.9	1.3
	C.V. % =	-	-	-	-	1.1	2.5	1.2	-
	F (Prob)	-	-	-	-	.000	.345	.004	-

TABLE NO. 34 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK			MOISTURE % AT HARVEST			
		ALMO	KANG	JORH	ZN 1 MEAN	ALMO	JORH	ZN 1 MEAN	ALMO	KANG	JORH	ZN 1 MEAN
1	E C - 1108	52.0	52.0	53.8	52.6	98.8	89.5	94.1	32.5	22.8	25.8	27.0
2	F H - 3138	56.8	52.7	52.5	54.0	94.3	89.3	91.8	34.2	23.7	24.3	27.4
	CHECKS:											
3	MEGHA	56.5	51.3	53.0	53.6	96.5	89.3	92.9	32.9	22.8	24.2	26.6
4	P E H M - 2	54.3	50.3	52.8	52.4	97.5	88.8	93.1	33.0	22.8	25.8	27.2
5	MAHI KANCHAN	53.5	51.0	53.3	52.6	91.0	89.3	90.1	30.6	24.4	26.9	27.3
6	X - 3342	53.3	52.7	52.3	52.7	92.8	89.0	90.9	31.7	25.3	23.6	26.9
	MEAN LOCATION	54.4	51.7	52.9	53.0	95.1	89.2	92.1	32.5	23.6	25.1	27.1
	C.D. AT 5%=	0.8	2.4	0.7	1.3	1.2	1.1	1.2	2.0	4.0	0.8	2.3
	C.V. % =	0.9	2.5	0.9	-	0.8	0.8	-	4.0	9.4	2.1	-
	F (Prob)	.000	.263	.007	-	.000	.786	-	.025	.647	.000	-

Sl No	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				HUSK COVER *		
		ALMO	KANG	JORH	ZN 1 MEAN	ALMO	KANG	JORH	ZN 1 MEAN	ALMO	JORH	ZN 1 MEAN
1	E C - 1108	2.3	3.3	1.5	2.4	2.0	4.0	1.7	2.6	1.8	2.0	1.9
2	F H - 3138	2.8	5.0	1.6	3.1	2.5	2.3	1.5	2.1	2.1	2.0	2.1
	CHECKS:											
3	MEGHA	2.9	2.0	1.8	2.2	2.7	2.7	1.7	2.4	2.0	1.9	1.9
4	P E H M - 2	2.6	3.7	1.6	2.6	2.5	1.0	1.5	1.7	2.2	2.0	2.1
5	MAHI KANCHAN	2.8	1.0	1.6	1.8	2.6	3.3	1.5	2.5	2.2	2.0	2.1
6	X - 3342	2.5	3.3	1.7	2.5	2.3	2.7	1.6	2.2	1.9	1.9	1.9
	MEAN LOCATION	2.7	3.1	1.7	2.5	2.4	2.7	1.6	2.2	2.0	2.0	2.0
	C.D. AT 5%=	0.1	1.4	0.2	0.6	0.2	1.1	0.1	0.5	0.2	0.3	0.2
	C.V. % =	3.4	25.1	8.5	-	5.7	22.7	6.1	-	5.0	11.4	-
	F (Prob)	.000	.001	.177	-	.000	.002	.112	-	.000	.950	-

TABLE NO. 34 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ALMO	UNIFORMITY * JORH	UNIFORMITY * ZN 1 MEAN	PLANT HEIGHT (cm) ALMO	PLANT HEIGHT (cm) KANG	PLANT HEIGHT (cm) JORH	PLANT HEIGHT (cm) ZN 1 MEAN	EAR HEIGHT (cm) ALMO	EAR HEIGHT (cm) KANG	EAR HEIGHT (cm) JORH	EAR HEIGHT (cm) ZN 1 MEAN
1	E C - 1108	2.2	1.8	2.0	263	268	142	224	99	137	63	100
2	F H - 3138	2.8	1.8	2.3	231	261	141	211	115	148	57	106
	CHECKS:											
3	MEGHA	3.3	1.8	2.5	264	251	144	220	135	123	54	104
4	P E H M - 2	2.7	1.7	2.2	248	261	152	220	126	138	64	109
5	MAHI KANCHAN	2.8	1.8	2.3	255	271	145	223	128	110	53	97
6	X - 3342	2.7	1.7	2.2	238	255	141	211	112	137	62	104
	MEAN LOCATION	2.8	1.8	2.3	250	261	144	218	119	132	59	103
	C.D. AT 5%=	0.2	0.3	0.2	9.9	10.2	11.8	10.6	10.9	12.3	11.9	11.7
	C.V. % =	5.3	10.2	-	2.6	2.1	5.4	-	6.1	5.1	13.5	-
	F (Prob)	.000	.869	-	.000	.010	.361	-	.000	.001	.275	-

Sl No	PEDIGREE	H. turc.* ALMO	H. madis* ALMO	PHYSO * ALMO	EAR No. /PLANT ALMO	EAR No. /PLANT KANG	EAR No. /PLANT ZN 1 MEAN	STAND AT HARVEST ALMO	STAND AT HARVEST KANG	STAND AT HARVEST JORH	STAND AT HARVEST ZN 1 MEAN
1	E C - 1108	1.0	1.5	1.6	1.01	1.02	1.01	110	82	60	84
2	F H - 3138	1.6	1.6	2.0	0.99	0.87	0.93	99	94	66	86
	CHECKS:										
3	MEGHA	1.6	1.8	2.2	1.00	0.97	0.99	107	77	56	80
4	P E H M - 2	1.4	1.6	2.2	1.03	0.93	0.98	106	106	57	89
5	MAHI KANCHAN	1.7	1.9	2.2	1.00	1.00	1.00	100	95	53	83
6	X - 3342	1.2	1.6	2.2	1.02	0.80	0.91	112	95	48	85
	MEAN LOCATION	1.4	1.7	2.1	-	-	-	105	92	57	85
	C.D. AT 5%=	0.3	0.2	0.3	-	-	-	6.3	10.9	11.2	9.5
	C.V. % =	11.9	9.3	9.9	-	-	-	4.0	6.6	13.1	-
	F (Prob)	.000	.031	.009	-	-	-	.002	.002	.058	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 35

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT LUDHIANA, KARNAL, PANTNAGAR IN AET 2nd YEAR, TRIAL No. TR71_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	KARN	R	PANT	R	ZN 2 MEAN	R	GRAIN YIELD OVER THE MEGHA LUDH	KARN	PANT	% SUPERIORITY ZN 2 MEAN
1	X - 2002	5986	1	4078	5	5334	2	5133	2	23.26	-	33.99	11.23
2	BISCO - 203	5015	3	3849	6	4219	4	4361	5	3.27	-	5.97	-
	CHECKS:												
3	MEGHA	4856	4	5006	1	3981	5	4614	3	-	-	-	-
4	P E H M - 2	4801	5	4323	3	4225	3	4450	4	-	-	6.14	-
5	MAHI KANCHAN	2143	6	4309	4	3375	6	3276	6	-	-	-	-
6	X - 3342	5935	2	4643	2	5762	1	5446	1	22.22	-	44.73	18.03
	MEAN YIELD=	4789		4368		4483		4547					
	MEAN STAND	96		45		103		82					
	C.D. AT 5%=	2039		1445		850		1444					
	C.V. % =	28.53		18.41		12.70		-					
	F (Prob)	.018		.017		.000		-					
	PLOT SIZE=	15.60		7.80		22.50		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	5-07		26-06		28-06		-					
	HARVEST DATE(2002)	16-10		27-09		11-10		-					
	IRRIGATION Nos	-		3		2		-					
	FERTILIZER APPLIED N	80		150		120		-					
	P	40		60		60		-					
	K	-		60		-		-					

TABLE NO. 35 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 2 LUDH	KARN	PANT	ZN 2 MEAN	MAHI KANCHAN LUDH	KARN	PANT	ZN 2 MEAN
1	X - 2002	24.68	-	26.24	15.35	179.29	-	58.03	56.69
2	BISCO - 203	4.46	-	-	-	133.99	-	24.99	33.12
	CHECKS:								
3	MEGHA	1.15	15.80	-	3.70	126.59	16.19	17.94	40.87
4	P E H M - 2	-	-	-	-	124.01	0.33	25.18	35.84
5	MAHI KANCHAN	-	-	-	-	-	-	-	-
6	X - 3342	23.63	7.39	36.36	22.40	176.93	7.75	70.69	66.26

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 LUDH	KARN	PANT	ZN 2 MEAN	DAYS TO 50 % POLLEN SHED LUDH	KARN	ZN 2 MEAN
1	X - 2002	0.85	-	-	-	51.0	48.0	49.5
2	BISCO - 203	-	-	-	-	53.0	49.0	51.0
	CHECKS:							
3	MEGHA	-	7.83	-	-	47.3	47.0	47.1
4	P E H M - 2	-	-	-	-	47.5	45.3	46.4
5	MAHI KANCHAN	-	-	-	-	46.8	45.7	46.2
6	X - 3342	-	-	-	-	47.0	47.0	47.0
	MEAN LOCATION	-	-	-	-	48.8	47.0	47.9
	C.D. AT 5%=	-	-	-	-	1.0	1.3	1.2
	C.V. % =	-	-	-	-	1.4	1.5	-
	F (Prob)	-	-	-	-	.000	.001	-

TABLE NO. 35 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING LUDH	KARN	PANT	ZN 2 MEAN	50% DRY HUSK LUDH	MOISTURE % AT HARVEST LUDH	KARN	PANT	ZN 2 MEAN	EAR NO. /PLANT LUDH
1	X - 2002	54.3	50.3	56.3	53.6	90.0	24.3	13.9	34.0	24.1	0.93
2	BISCO - 203	55.3	51.3	59.3	55.3	89.5	24.4	14.4	35.8	24.9	0.98
	CHECKS:										
3	MEGHA	50.0	49.3	57.8	52.4	84.8	22.3	13.3	29.2	21.6	0.95
4	P E H M - 2	49.8	47.7	56.0	51.1	85.8	22.5	12.6	30.5	21.9	1.00
5	MAHI KANCHAN	49.8	48.3	55.8	51.3	83.8	21.8	13.3	34.6	23.2	1.01
6	X - 3342	49.3	49.0	54.8	51.0	80.8	23.2	13.8	30.2	22.4	1.00
	MEAN LOCATION	51.4	49.3	56.6	52.4	85.8	23.1	13.5	32.4	23.0	-
	C.D. AT 5%=	2.3	1.3	1.7	1.8	2.4	0.7	0.3	0.7	0.6	-
	C.V. % =	3.0	1.4	2.0	-	1.9	1.9	1.2	1.4	-	-
	F (Prob)	.000	.001	.001	-	.000	.000	.000	.000	-	-

Sl No	PEDIGREE	PLANT HEIGHT (cm) LUDH	KARN	PANT	ZN 2 MEAN	EAR HEIGHT (cm) LUDH	KARN	PANT	ZN 2 MEAN	STAND AT HARVEST LUDH	KARN	PANT	ZN 2 MEAN
1	X - 2002	146	190	221	186	83	100	88	90	105	51	108	88
2	BISCO - 203	145	182	194	173	90	100	82	91	86	48	75	70
	CHECKS:												
3	MEGHA	183	195	225	201	95	97	91	94	98	44	109	83
4	P E H M - 2	159	182	196	179	86	95	85	89	99	37	114	83
5	MAHI KANCHAN	151	197	202	183	70	100	84	85	82	42	98	74
6	X - 3342	173	192	214	193	98	107	89	98	109	50	118	93
	MEAN LOCATION	159	189	209	186	87	100	86	91	96	45	103	82
	C.D. AT 5%=	18.3	14.2	22.2	18.2	16.5	9.9	11.1	12.5	20.5	3.6	11.0	11.7
	C.V. % =	7.6	4.1	7.0	-	12.6	5.5	8.6	-	14.1	4.4	7.1	-
	F (Prob)	.003	.153	.036	-	.033	.242	.530	-	.082	.000	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 36

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, ARBHAVI, PROAGRO BANGALORE, MANDYA, COIMBATORE, IN AET 2nd YEAR, TRIAL NO. TR71_4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN 4	
		HYDE	R	ARBH	R	BANG PROA	R	MAND	R	COIM	R	MEAN	R
1	R - 9701	2544	2	4828	3	7282	3	6881	5	4707	5	5248	5
2	P R O - 340(RETEST)	1962	7	4743	4	6649	5	8855	2	4755	4	5393	4
3	F H - 3113	2549	1	5600	1	8982	1	8954	1	4586	6	6134	1
	CHECKS:												
4	MEGHA	2295	4	3905	6	6131	6	5740	6	4823	3	4579	6
5	PEHM - 2	2532	3	4341	5	7463	2	7716	4	4959	2	5402	3
6	MAHI KANCHAN	2172	6	3612	7	5198	7	5503	7	4154	7	4128	7
7	X - 3342	2233	5	4990	2	7125	4	8543	3	5157	1	5610	2
	MEAN YIELD=	2327		4574		6976		7456		4734		5213	
	MEAN STAND	64		111		66		101		114		91	
	C.D. AT 5%=	1033		887		1262		1699		568		1089	
	C.V. % =	25.16		13.14		12.26		12.92		8.13		-	
	F (Prob)	.879		.000		.000		.000		.030		-	
	PLOT SIZE=	22.50		22.50		11.05		17.50		22.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	13-07		25-07		15-06		25-07		5-07		-	
	HARVEST DATE(2002)	2-11		14-11		23-09		14-11		15-10		-	
	IRRIGATION Nos	11		6		-		5		8		-	
	FERTILIZER APPLIED N	120		150		150		150		135		-	
	P	60		75		60		75		63		-	
	K	30		38		40		40		50		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : KOLH 35.9%

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MEGHA ZN 4 MEAN					
		HYDE	ARBH	BANG PROA	MAND	COIM	
1	R - 9701	10.83	23.64	18.78	19.89	-	14.62
2	P R O - 340(RETEST)	-	21.45	8.46	54.28	-	17.78
3	F H - 3113	11.07	43.42	46.50	56.00	-	33.97
	CHECKS:						
4	MEGHA	-	-	-	-	-	-
5	PEHM - 2	10.32	11.18	21.73	34.43	2.83	17.99
6	MAHI KANCHAN	-	-	-	-	-	-
7	X - 3342	-	27.80	16.21	48.84	6.92	22.51

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM -2 ZN 4 MEAN					
		HYDE	ARBH	BANG PROA	MAND	COIM	
1	R - 9701	0.46	11.21	-	-	-	-
2	P R O - 340(RETEST)	-	9.25	-	14.77	-	-
3	F H - 3113	0.68	29.00	20.35	16.04	-	13.55
	CHECKS:						
4	MEGHA	-	-	-	-	-	-
5	PEHM - 2	-	-	-	-	-	-
6	MAHI KANCHAN	-	-	-	-	-	-
7	X - 3342	-	14.95	-	10.72	3.99	3.84

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	17.14	33.67	40.08	25.04	13.31	27.15
2	P R O - 340(RETEST)	-	31.31	27.91	60.92	14.47	30.65
3	F H - 3113	17.40	55.06	72.77	62.70	10.40	48.61
	CHECKS:						
4	MEGHA	5.69	8.11	17.94	4.30	16.12	10.93
5	PEHM - 2	16.60	20.20	43.56	40.21	19.40	30.88
6	MAHI KANCHAN	-	-	-	-	-	-
7	X - 3342	2.80	38.17	37.06	55.24	24.15	35.90

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	13.95	-	2.21	-	-	-
2	P R O - 340(RETEST)	-	-	-	3.66	-	-
3	F H - 3113	14.20	12.22	26.06	4.81	-	9.35
	CHECKS:						
4	MEGHA	2.81	-	-	-	-	-
5	PEHM - 2	13.42	-	4.74	-	-	-
6	MAHI KANCHAN	-	-	-	-	-	-
7	X - 3342	-	-	-	-	-	-

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN	DAYS TO 50 % SILKING HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	53.7	57.3	53.3	50.0	56.3	54.1	55.7	59.0	54.3	52.3	58.5	56.0
2	P R O - 340(RETEST)	52.7	55.8	51.0	46.7	52.8	51.8	54.7	56.0	51.5	48.3	54.8	53.0
3	F H - 3113	52.0	56.0	51.0	49.3	54.8	52.6	54.0	56.0	51.0	54.0	56.5	54.3
	CHECKS:												
4	MEGHA	53.7	56.3	52.0	48.3	48.0	51.7	55.7	58.3	53.0	51.7	51.5	54.0
5	PEHM - 2	52.7	56.3	51.8	48.3	53.0	52.4	54.7	57.8	52.5	55.3	55.3	55.1
6	MAHI KANCHAN	52.7	55.8	51.5	45.3	49.3	50.9	54.7	57.0	52.0	47.7	52.0	52.7
7	X - 3342	52.7	55.8	51.8	48.0	50.0	51.6	54.7	56.8	52.3	49.3	53.0	53.2
	MEAN LOCATION	52.9	56.1	51.8	48.0	52.0	52.2	54.9	57.3	52.4	51.2	54.5	54.0
	C.D. AT 5%=	1.5	0.8	0.8	1.2	0.7	1.0	1.5	1.4	0.6	5.7	1.0	2.0
	C.V. % =	1.6	0.9	1.0	1.5	0.9	-	1.6	1.6	0.8	6.3	1.2	-
	F (Prob)	.264	.009	.000	.000	.000	-	.264	.001	.000	.087	.000	-

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK HYDE	BANG PROA	MAND	COIM	ZN 4 MEAN	MOISTURE % AT HARVEST HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	86.0	96.0	91.7	99.3	93.2	22.5	18.6	32.2	21.2	15.8	22.1
2	P R O - 340(RETEST)	83.0	91.8	91.0	96.0	90.4	18.9	16.8	28.6	21.6	17.7	20.7
3	F H - 3113	83.7	90.5	92.0	97.0	90.8	19.1	15.7	29.1	20.3	16.2	20.1
	CHECKS:											
4	MEGHA	86.0	92.0	87.3	95.3	90.1	23.0	18.9	29.8	20.2	17.2	21.8
5	PEHM - 2	84.7	92.8	92.7	96.5	91.6	17.6	17.0	29.5	20.8	16.9	20.4
6	MAHI KANCHAN	82.7	93.0	86.0	94.3	89.0	20.3	15.0	28.0	21.2	16.1	20.1
7	X - 3342	85.7	92.3	89.0	95.3	90.5	22.8	16.6	28.5	20.5	16.7	21.0
	MEAN LOCATION	84.5	92.6	90.0	96.2	90.8	20.6	16.9	29.4	20.8	16.7	20.9
	C.D. AT 5%=	2.8	2.1	6.6	1.7	3.3	4.7	1.0	2.2	1.5	1.1	2.1
	C.V. % =	1.9	1.6	4.2	1.2	-	12.8	4.1	4.9	4.0	4.5	-
	F (Prob)	.094	.002	.292	.000	-	.145	.000	.015	.387	.031	-

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * HYDE	ARBH	MAND	COIM	ZN 4 MEAN	EAR ASPECT * HYDE	ARBH	MAND	COIM	ZN 4 MEAN
1	R - 9701	3.2	2.3	2.0	1.5	2.2	3.2	2.8	2.0	1.5	2.4
2	P R O - 340(RETEST)	3.2	2.0	1.7	1.8	2.1	3.8	2.5	2.0	2.0	2.6
3	F H - 3113	3.0	1.8	2.0	1.8	2.1	3.0	2.0	2.0	2.5	2.4
	CHECKS:										
4	MEGHA	3.3	2.3	2.3	2.0	2.5	3.3	3.0	2.7	1.8	2.7
5	PEHM - 2	2.8	2.5	2.0	2.0	2.3	3.0	3.0	2.7	2.5	2.8
6	MAHI KANCHAN	3.2	2.5	2.3	2.0	2.5	3.3	3.0	3.0	2.3	2.9
7	X - 3342	3.2	2.3	2.0	1.8	2.3	3.2	2.8	2.3	1.5	2.4
	MEAN LOCATION	3.1	2.2	2.0	1.8	2.3	3.3	2.7	2.4	2.0	2.6
	C.D. AT 5%=	0.5	0.3	0.9	0.7	0.6	0.8	0.2	1.1	0.9	0.7
	C.V. % =	9.5	9.0	25.7	26.8	-	13.0	4.3	26.5	29.0	-
	F (Prob)	.548	.000	.746	.727	-	.305	.000	.353	.088	-

Sl No	PEDIGREE	HUSK COVER * HYDE	ARBH	MAND	COIM	ZN 4 MEAN	UNIFORMITY * HYDE	ARBH	MAND	COIM	ZN 4 MEAN
1	R - 9701	3.0	2.5	2.3	2.0	2.5	3.2	2.8	2.7	2.8	2.8
2	P R O - 340(RETEST)	3.2	2.0	1.7	1.3	2.0	3.3	1.5	1.7	2.0	2.1
3	F H - 3113	2.8	2.0	2.3	2.8	2.5	3.0	1.8	2.0	3.8	2.6
	CHECKS:										
4	MEGHA	3.0	2.0	2.3	2.3	2.4	3.5	2.8	2.3	3.3	3.0
5	PEHM - 2	2.8	3.0	2.0	2.0	2.5	2.8	2.5	3.0	2.5	2.7
6	MAHI KANCHAN	3.0	2.8	2.3	2.5	2.6	3.2	3.0	2.3	3.5	3.0
7	X - 3342	2.8	2.0	2.0	2.8	2.4	3.0	2.3	2.7	2.3	2.5
	MEAN LOCATION	3.0	2.3	2.1	2.2	2.4	3.1	2.4	2.4	2.9	2.7
	C.D. AT 5%=	0.6	0.2	0.9	0.8	0.7	0.6	0.3	0.9	0.9	0.7
	C.V. % =	12.0	6.9	23.5	25.8	-	10.2	9.6	20.8	20.9	-
	F (Prob)	.877	.000	.580	.019	-	.271	.000	.088	.004	-

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) BANG PROA	MAND	COIM	ZN 4 MEAN	EAR HEIGHT (cm) BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	240	182	194	205	109	84	89	94
2	P R O - 340(RETEST)	233	168	175	192	91	76	75	81
3	F H - 3113	246	191	186	207	100	80	77	86
	CHECKS:								
4	MEGHA	260	185	180	208	116	85	78	93
5	PEHM - 2	240	176	180	198	110	85	74	89
6	MAHI KANCHAN	244	177	177	199	102	80	77	86
7	X - 3342	224	184	181	196	100	92	78	90
	MEAN LOCATION	241	180	182	201	104	83	78	88
	C.D. AT 5%=	15.7	13.8	7.1	12.2	12.0	9.6	7.0	9.6
	C.V. % =	4.4	4.3	2.6	-	7.8	6.5	6.1	-
	F (Prob)	.006	.067	.000	-	.009	.077	.008	-

Sl No	PEDIGREE	EAR NO./PLANT HYDE	BANG PROA	MAND	COIM	ZN 4 MEAN	STAND AT HARVEST HYDE	ARBH	BANG PROA	MAND	COIM	ZN 4 MEAN
1	R - 9701	1.06	1.05	0.98	1.00	1.02	68	114	66	104	114	93
2	P R O - 340(RETEST)	1.07	1.04	0.95	1.00	1.02	65	125	68	111	113	96
3	F H - 3113	1.10	1.10	0.99	1.00	1.05	65	120	66	103	113	93
	CHECKS:											
4	MEGHA	1.05	1.05	0.97	0.99	1.01	69	113	66	99	115	92
5	PEHM - 2	1.02	1.03	0.98	0.99	1.01	60	101	66	97	113	88
6	MAHI KANCHAN	1.05	1.07	0.95	1.00	1.02	62	86	61	92	114	83
7	X - 3342	1.08	1.06	0.99	1.00	1.03	60	115	67	101	114	91
	MEAN LOCATION	-	-	-	-	-	64	111	66	101	114	91
	C.D. AT 5%=	-	-	-	-	-	20.2	12.6	2.6	7.1	1.5	8.8
	C.V. % =	-	-	-	-	-	17.7	7.7	2.7	3.9	0.9	-
	F (Prob)	-	-	-	-	-	.933	.000	.001	.003	.326	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 37

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT ALMORA, KANGRA, LUDHIANA, KARNAL, PANTNAGAR IN AET 2nd YEAR, TRIAL No. TR72_12 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				ZN 1							ZN 2		OV'L	
		ALMO	R	KANG	R	MEAN	R	LUDH	R	KARN	R	PANT	R	MEAN	R	MEAN	R
1	A H - 421	7849	1	3867	2	5858	1	5860	1	3777	1	3730	1	4456	1	5017	1
	CHECKS:																
2	SURYA	5547	3	3774	3	4661	3	3748	3	3359	3	2459	3	3189	3	3777	3
3	HIM - 129	6913	2	3923	1	5418	2	4027	2	3484	2	3339	2	3617	2	4337	2
	MEAN YIELD=	6770		3855		5312		4545		3540		3176		3754		4377	
	MEAN STAND	100		92		96		80		47		113		80		87	
	C.D. AT 5%=	587		438		513		687		551		260		499		505	
	C.V. % =	7.00		9.19		-		12.21		7.41		6.61		-		-	
	F (Prob)	.000		.435		.000		.399		.000							
	PLOT SIZE=	18.00		14.60		-		15.60		7.80		22.50		-		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	5-07		15-06		-		5-07		26-06		8-07		-		-	
	HARVEST DATE(2002)	29-10		21-09		-		16-10		21-09		12-10		-		-	
	IRRIGATION Nos	-		-		-		-		3		2		-		-	
	FERTILIZER APPL.N	80		80		-		80		150		120		-		-	
	P	60		60		-		40		60		60		-		-	
	K	40		40		-		-		60		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 25.8%
LOCATIONS REJECTED DUE TO LOW YIELD (i.e.< 1000 kg/ha) : UMIA 362 kg/ha

TABLE NO. 37 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE SURYA

Sl No	PEDIGREE	ALMO	KANG	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN
1	A H - 421	41.51	2.46	25.69	56.35	12.46	51.69	39.74	32.81
	CHECKS:								
2	SURYA	-	-	-	-	-	-	-	-
3	HIM - 129	24.63	3.94	16.26	7.43	3.73	35.82	13.43	14.82

GRAIN YIELD % SUPERIORITY OVER THE HIM - 129

Sl No	PEDIGREE	ALMO	KANG	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN
1	A H - 421	13.54	-	8.12	45.54	8.41	11.69	23.20	15.66
	CHECKS:								
2	SURYA	-	-	-	-	-	-	-	-
3	HIM - 129	-	-	-	-	-	-	-	-

DAYS TO 50 % POLLEN SHED

Sl No	PEDIGREE	ALMO	KANG	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	OV'L MEAN
1	A H - 421	54.3	44.3	49.3	45.3	46.3	45.3	47.3
	CHECKS:							
2	SURYA	50.3	40.3	45.3	44.3	41.3	43.3	44.3
3	HIM - 129	47.3	47.3	47.3	41.3	41.3	41.3	44.3
	MEAN LOCATION	50.3	43.3	47.3	43.3	42.3	43.3	45.3
	C.D. AT 5%=	0.6	3.5	2.0	0.5	1.5	1.0	-
	C.V. % =	0.9	6.4	-	0.9	1.6	-	-
	F (Prob)	.000	.006	-	.000	.000	-	-

TABLE NO. 37 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING ALMO	KANG	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN	50% DRY HUSK ZN 1 ALMO	ZN 2 LUDH	OV'L MEAN
1	A H - 421	54.8	47.5	51.2	46.0	47.3	49.2	47.5	49.0	98.3	87.3	92.8
	CHECKS:											
2	SURYA	51.2	43.8	47.5	45.2	43.3	52.3	46.9	47.2	94.8	78.3	86.6
3	HIM - 129	48.0	50.8	49.4	41.8	42.7	50.5	45.0	46.8	91.7	76.3	84.0
	MEAN LOCATION	51.3	47.4	49.4	44.3	44.4	50.7	46.5	47.6	94.9	80.7	87.8
	C.D. AT 5%=	0.7	3.3	2.0	0.6	1.2	1.3	1.0	-	0.8	2.1	-
	C.V. % =	1.1	5.4	-	1.1	1.2	2.0	-	-	0.7	2.0	-
	F (Prob)	.000	.003	-	.000	.000	.001	-	-	.000	.000	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST ALMO	KANG	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN	PLANT ASPECT * ALMO	KANG	ZN 1 MEAN
1	A H - 421	34.6	23.3	29.0	23.1	13.6	27.9	21.6	24.5	2.5	1.3	1.9
	CHECKS:											
2	SURYA	28.2	24.3	26.2	21.7	13.0	29.8	21.5	23.4	2.8	1.2	2.0
3	HIM - 129	29.1	23.4	26.3	21.3	12.8	28.5	20.9	23.0	2.5	2.7	2.6
	MEAN LOCATION	30.6	23.7	27.1	22.0	13.1	28.7	21.3	23.6	2.6	1.7	2.2
	C.D. AT 5%=	1.8	3.9	2.8	0.1	0.2	1.0	0.4	-	0.1	0.9	0.5
	C.V. % =	4.5	12.7	-	0.2	0.7	2.7	-	-	3.4	42.0	-
	F (Prob)	.000	.837	-	.000	.000	.006	-	-	.000	.009	-

TABLE NO. 37 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ALMO	EAR ASPECT * KANG	EAR ASPECT * ZN 1 MEAN	HUSK COV.* ALMO	UNIFO. * ALMO	PLANT HEIGHT (cm) ALMO	PLANT HEIGHT (cm) KANG	PLANT HEIGHT (cm) ZN 1 MEAN	PLANT HEIGHT (cm) LUDH	PLANT HEIGHT (cm) KARN	PLANT HEIGHT (cm) PANT	PLANT HEIGHT (cm) ZN 2 MEAN	PLANT HEIGHT (cm) OV'L MEAN
1	A H - 421	2.3	3.3	2.8	1.6	2.8	221	241	231	165	192	196	184	203
	CHECKS:													
2	SURYA	2.7	2.8	2.8	1.8	2.9	210	221	216	168	177	182	175	192
3	HIM - 129	2.6	2.3	2.5	2.4	2.5	203	258	230	157	155	174	162	189
	MEAN LOCATION	2.5	2.8	2.7	2.0	2.7	211	240	226	163	174	184	174	195
	C.D. AT 5%=	0.1	1.9	1.0	0.1	0.1	6.8	12.0	9.4	25.2	13.6	16.9	18.6	-
	C.V. % =	4.5	52.7	-	5.7	3.6	2.5	3.9	-	12.0	3.4	7.1	-	-
	F (Prob)	.000	.532	-	.000	.001	.001	.000	-	.619	.000	.043	-	-

Sl No	PEDIGREE	EAR HEIGHT (cm) ALMO	EAR HEIGHT (cm) KANG	EAR HEIGHT (cm) ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN	H. turc.* ALMO	H. maydis* ALMO
1	A H - 421	113	115	114	89	98	75	87	98	1.0	1.5
	CHECKS:										
2	SURYA	106	109	107	88	95	70	85	94	2.9	1.6
3	HIM - 129	102	129	115	83	80	71	78	93	1.3	1.5
	MEAN LOCATION	107	117	112	87	91	72	83	95	1.7	1.5
	C.D. AT 5%=	6.1	7.0	6.5	10.7	16.5	12.2	13.1	-	0.2	0.2
	C.V. % =	4.4	4.6	-	9.6	8.0	13.2	-	-	11.2	10.0
	F (Prob)	.005	.000	-	.357	.073	.718	-	-	.000	.123

TABLE NO. 37 (CONT.)

Sl No	PEDIGREE	PHYSO. * ALMO	EAR No. / PLANT ALMO	KANG	ZN 1 MEAN	ZN 2 LUDH	OV'L MEAN
1	A H - 421	2.2	1.12	0.97	1.04	1.13	1.07
	CHECKS:						
2	SURYA	1.5	1.08	0.93	1.00	1.01	1.01
3	HIM - 129	1.7	1.08	0.94	1.01	1.09	1.04
	MEAN LOCATION	1.8	-	-	-	-	-
	C.D. AT 5%=	0.3	-	-	-	-	-
	C.V. % =	12.7	-	-	-	-	-
	F (Prob)	.001	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST ALMO	KANG	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	OV'L MEAN
1	A H - 421	102	87	94	90	50	120	87	90
	CHECKS:								
2	SURYA	100	94	97	66	46	108	73	83
3	HIM - 129	100	96	98	85	45	111	81	87
	MEAN LOCATION	100	92	96	80	47	113	80	87
	C.D. AT 5%=	6.8	7.6	7.2	11.1	4.0	5.5	6.9	-
	C.V. % =	5.2	6.4	-	10.7	3.7	3.8	-	-
	F (Prob)	.816	.053	-	.002	.048	.002	-	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 38

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL COMPOSITES AT VARANASI, RANCHI, JASHIPUR, AMBIKAPUR IN AET 2nd YEAR, TRIAL No. TR72_3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 3		GRAIN YIELD % SUPERIORITY OVER THE SURYA				ZN 3	
		VARA	R	RANC	R	JASH	R	AMBI	R	MEAN	R	VARA	RANC	JASH	AMBI	MEAN	
1	D - 994	5209	1	3263	3	4610	2	1590	2	3668	2	51.36	28.33	7.56	8.90	25.08	
2	D - 995	4785	2	3339	2	4823	1	1744	1	3673	1	39.05	31.32	12.52	19.42	25.24	
3	BAU - (FS) V1	3022	5	3448	1	4291	3	1121	5	2970	4	-	35.63	0.11	-	1.29	
	CHECKS:																
4	SURYA	3441	4	2542	5	4286	4	1460	3	2932	5	-	-	-	-	-	
5	HIM - 129	3578	3	3022	4	4159	5	1157	4	2979	3	3.98	18.88	-	-	1.58	
	MEAN YIELD=	4007		3123		4433		1414		3244							
	MEAN STAND	99		93		93		92		94							
	C.D. AT 5%=	622		706		234		483		511							
	C.V. % =	11.73		14.92		4.42		28.66		-							
	F (Prob)	.000		.069		.002		.351		-							
	PLOT SIZE=	22.50		21.00		18.00		22.50		-							
	AGRONOMY DATA:																
	SOW. DATE(2002)	26-06		29-06		27-06		21-06		-							
	HARV.DATE(2002)	4-10		2-10		5-10		-		-							
	IRRIGATION Nos	2		2		-		-		-							
	FERTILIZER APP.N	80		100		120		80		-							
	P	40		60		60		40		-							
	K	40		40		60		20		-							

TABLE NO. 38 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 VARA	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % POLLEN SHED VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	D - 994	45.56	7.95	10.85	37.51	23.13	44.2	44.8	45.7	44.0	44.7
2	D - 995	33.72	10.47	15.97	50.79	23.28	43.0	43.0	46.0	44.2	44.0
3	BAU - (FS) V1	-	14.09	3.17	-	-	45.4	46.5	47.0	46.2	46.3
	CHECKS:										
4	SURYA	-	-	3.06	26.27	-	45.4	47.3	46.5	42.4	45.4
5	HIM - 129	-	-	-	-	-	44.0	44.5	42.5	41.4	43.1
	MEAN LOCATION	-	-	-	-	-	44.4	45.2	45.5	43.6	44.7
	C.D. AT 5%=	-	-	-	-	-	1.1	0.9	1.1	1.5	1.2
	C.V. % =	-	-	-	-	-	1.8	1.3	2.1	2.8	-
	F (Prob)	-	-	-	-	-	.001	.000	.000	.000	-

Sl No	PEDIGREE	DAYS TO 50 % SILKING VARA	RANC	JASH	AMBI	ZN 3 MEAN	DAYS TO 50 % DRY HUSK VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	D - 994	51.0	48.8	48.7	47.8	49.1	82.8	79.5	82.3	91.2	84.0
2	D - 995	50.8	46.8	49.3	48.6	48.9	82.4	76.0	82.7	90.0	82.8
3	BAU - (FS) V1	51.4	50.8	50.8	49.2	50.5	83.6	80.0	83.3	91.2	84.5
	CHECKS:										
4	SURYA	52.0	51.5	49.2	46.8	49.9	84.6	82.0	82.8	90.8	85.1
5	HIM - 129	49.8	48.3	45.0	46.4	47.4	84.2	78.0	82.0	90.2	83.6
	MEAN LOCATION	51.0	49.2	48.6	47.8	49.1	83.5	79.1	82.6	90.7	84.0
	C.D. AT 5%=	1.1	0.7	0.9	0.8	0.9	2.6	0.7	1.5	1.3	1.5
	C.V. % =	1.6	0.9	1.6	1.3	-	2.3	0.6	1.5	1.2	-
	F (Prob)	.010	.000	.000	.000	-	.373	.000	.450	.199	-

TABLE NO. 38 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST VARA	RANC	JASH	AMBI	ZN 3 MEAN	PLANT ASPECT * VARA	JASH	ZN 3 MEAN	EAR ASPECT * VARA	JASH	ZN 3 MEAN
1	D - 994	25.8	25.0	21.0	64.8	34.1	2.5	1.3	1.9	3.0	1.8	2.4
2	D - 995	29.0	27.6	21.0	65.7	35.8	2.8	1.2	2.0	2.3	2.0	2.2
3	BAU - (FS) V1	26.8	23.6	20.6	65.5	34.1	3.2	2.0	2.6	2.7	2.5	2.6
	CHECKS:											
4	SURYA	26.8	26.1	21.0	65.5	34.8	2.5	2.5	2.5	2.7	3.3	3.0
5	HIM - 129	28.4	25.2	20.5	66.0	35.0	3.0	2.7	2.8	2.8	3.5	3.2
	MEAN LOCATION	27.4	25.5	20.8	65.5	34.8	2.8	1.9	2.4	2.7	2.6	2.7
	C.D. AT 5%=	1.1	1.1	0.1	2.0	1.1	0.6	0.5	0.6	0.3	0.6	0.4
	C.V. % =	3.0	2.9	0.4	2.5	-	17.3	21.7	-	7.0	17.4	-
	F (Prob)	.000	.000	.000	.814	-	.159	.000	-	.001	.000	-

Sl No	PEDIGREE	HUSK COVER * VARA	JASH	ZN 3 MEAN	UNIFORMITY * VARA	JASH	ZN 3 MEAN	PLANT HEIGHT (cm) VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	D - 994	2.8	1.5	2.2	2.8	2.0	2.4	237	177	165	196	194
2	D - 995	2.7	1.2	1.9	2.8	2.0	2.4	213	158	175	191	184
3	BAU - (FS) V1	2.8	1.0	1.9	3.0	2.0	2.5	222	174	175	209	195
	CHECKS:											
4	SURYA	2.3	1.7	2.0	2.0	2.7	2.3	221	171	171	201	191
5	HIM - 129	2.5	2.2	2.3	2.7	2.8	2.8	207	177	154	180	180
	MEAN LOCATION	2.6	1.5	2.1	2.7	2.3	2.5	220	171	168	196	189
	C.D. AT 5%=	0.4	0.5	0.4	0.2	0.3	0.3	10.1	19.1	4.3	15.8	12.3
	C.V. % =	10.5	29.1	-	6.4	11.8	-	3.4	7.2	2.1	6.7	-
	F (Prob)	.047	.002	-	.000	.000	-	.000	.209	.000	.014	-

TABLE NO. 38 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) VARA	RANC	JASH	AMBI	ZN 3 MEAN	H. maydis* JASH	BLSB* * JASH	EAR NO./PLANT VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	D - 994	96	86	76	86	86	2.0	2.1	1.12	0.83	1.00	1.37	1.08
2	D - 995	96	74	73	82	81	2.3	2.2	1.16	0.93	1.01	1.22	1.08
3	BAU - (FS) V1	96	80	72	89	84	2.6	2.4	1.10	0.87	1.00	1.00	0.99
	CHECKS:												
4	SURYA	92	80	71	81	81	3.2	2.3	1.12	0.90	1.00	1.03	1.01
5	HIM - 129	83	82	63	72	75	1.9	2.2	1.08	0.87	1.00	1.09	1.01
	MEAN LOCATION	92	81	71	82	81	2.4	2.2	-	-	-	-	-
	C.D. AT 5%=	5.2	7.6	3.4	8.2	6.1	0.4	0.4	-	-	-	-	-
	C.V. % =	4.2	6.1	4.0	8.3	-	15.3	15.7	-	-	-	-	-
	F (Prob)	.000	.068	.000	.004	-	.000	.473	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST VARA	RANC	JASH	AMBI	ZN 3 MEAN
1	D - 994	115	94	96	95	100
2	D - 995	110	90	89	106	99
3	BAU - (FS) V1	75	100	93	81	87
	CHECKS:					
4	SURYA	88	90	92	97	91
5	HIM - 129	107	90	94	84	93
	MEAN LOCATION	99	93	93	92	94
	C.D. AT 5%=	5.2	17.2	6.1	11.4	10.0
	C.V. % =	3.9	12.0	5.5	10.3	-
	F (Prob)	.000	.651	.231	.001	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 39

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, ARBHAVI, MANDYA, COIMBATORE, IN AET 2nd YEAR, TRIAL No. TR72_4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 4	
		HYDE	R	ARBH	R	MAND	R	COIM	R	MEAN	R
1	EC - 3108	2396	3	2632	2	4314	2	3529	3	3218	2
2	A H - 421	2779	1	3599	1	4838	1	4068	1	3821	1
	CHECKS:										
3	SURYA	2628	2	2185	3	3737	4	3167	4	2929	4
4	HIM - 129	2388	4	2101	4	4100	3	3644	2	3058	3
	MEAN YIELD=	2548		2629		4247		3602		3257	
	MEAN STAND	69		80		98		112		90	
	C.D. AT 5%=	463		937		1173		434		752	
	C.V. % =	13.48		29.50		14.30		9.96		-	
	F (Prob)	.693		.000		.241		.002		-	
	PLOT SIZE=	22.50		22.50		17.50		22.50		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	13-07		25-07		25-07		5-07		-	
	HARVEST DATE(2002)	4-11		10-11		19-11		14-10		-	
	IRRIGATION Nos	11		6		5		7		-	
	FERTILIZER APPLIED N	120		150		150		135		-	
	P	60		75		75		63		-	
	K	30		38		40		50		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : KOLH 50.9%

TABLE NO. 39 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA				ZN 4	HIM-129 ZN 4				
		HYDE	ARBH	MAND	COIM	MEAN	HYDE	ARBH	MAND	COIM	MEAN
1	EC - 3108	-	20.47	15.45	11.41	9.84	0.31	25.27	5.21	-	5.21
2	A H - 421	5.73	64.73	29.48	28.43	30.44	16.37	71.30	17.99	11.63	24.93
	CHECKS:										
3	SURYA	-	-	-	-	-	10.06	3.98	-	-	-
4	HIM - 129	-	-	9.74	15.04	4.41	-	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED			ZN 4	DAYS TO 50 % SILKING			ZN 4	DAYS TO 50% DRY HUSK			ZN 4
		ARBH	MAND	COIM	MEAN	ARBH	MAND	COIM	MEAN	HYDE	MAND	COIM	MEAN
1	EC - 3108	56.2	45.7	47.7	49.8	57.5	47.3	50.7	51.8	86.6	89.0	93.0	89.5
2	A H - 421	57.5	48.0	52.5	52.7	59.7	50.7	55.2	55.2	85.4	92.0	97.2	91.5
	CHECKS:												
3	SURYA	55.0	44.7	48.3	49.3	57.0	49.0	50.3	52.1	88.2	88.0	93.3	89.8
4	HIM - 129	53.3	44.7	47.2	48.4	54.3	47.0	49.3	50.2	84.8	87.3	91.0	87.7
	MEAN LOCATION	55.5	45.8	48.9	50.1	57.1	48.5	51.4	52.3	86.3	89.1	93.6	89.7
	C.D. AT 5%=	1.5	3.1	0.6	1.7	2.2	5.1	0.9	2.7	3.1	5.0	2.0	3.4
	C.V. % =	2.2	3.3	1.0	-	3.2	5.2	1.4	-	2.6	2.8	1.7	-
	F (Prob)	.000	.106	.000	-	.001	.352	.000	-	.131	.214	.000	-

TABLE NO. 39 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECCT *				
		HYDE	ARBH	MAND	COIM	ZN 4 MEAN	HYDE	ARBH	MAND	COIM	ZN 4 MEAN
1	EC - 3108	23.0	16.8	21.2	22.5	20.9	2.6	3.0	2.0	1.2	2.2
2	A H - 421	22.6	20.5	21.5	28.5	23.3	2.5	3.0	2.0	1.0	2.1
	CHECKS:										
3	SURYA	21.6	15.1	21.0	23.1	20.2	2.4	3.0	3.3	2.0	2.7
4	HIM - 129	19.3	15.9	21.2	22.4	19.7	2.3	3.0	2.3	2.0	2.4
	MEAN LOCATION	21.6	17.1	21.2	24.1	21.0	2.5	3.0	2.4	1.5	2.4
	C.D. AT 5%=	0.2	1.6	1.2	1.7	1.2	0.4	0.2	0.9	0.3	0.4
	C.V. % =	0.7	7.4	2.9	5.9	-	11.8	5.3	18.2	13.2	-
	F (Prob)	.000	.000	.794	.000	-	.426	.000	.029	.000	-

Sl No	PEDIGREE	EAR ASPECT *					HUSK COVER *				
		HYDE	ARBH	MAND	COIM	ZN 4 MEAN	HYDE	ARBH	MAND	COIM	ZN 4 MEAN
1	EC - 3108	2.7	3.0	3.0	2.2	2.7	2.5	2.7	2.0	2.2	2.3
2	A H - 421	2.5	2.7	1.7	1.0	2.0	2.5	2.2	2.0	2.0	2.2
	CHECKS:										
3	SURYA	2.4	3.3	2.7	2.0	2.6	2.4	2.5	2.3	3.5	2.7
4	HIM - 129	2.6	3.2	2.3	1.0	2.3	2.4	2.8	2.0	2.0	2.3
	MEAN LOCATION	2.5	3.0	2.4	1.5	2.4	2.5	2.5	2.1	2.4	2.4
	C.D. AT 5%=	0.5	0.2	1.4	0.3	0.6	0.5	0.3	0.6	0.4	0.5
	C.V. % =	13.9	5.7	28.4	13.2	-	14.8	11.2	13.9	13.1	-
	F (Prob)	.588	.000	.207	.000	-	.942	.007	.455	.000	-

TABLE NO. 39 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * HYDE	ARBH	MAND	COIM	ZN 4 MEAN	PLANT HEIGHT (cm) MAND	COIM	ZN 4 MEAN	EAR HEIGHT (cm) MAND	COIM	ZN 4 MEAN
1	EC - 3108	2.7	2.5	3.0	3.7	3.0	180	176	178	89	77	83
2	A H - 421	2.4	2.7	2.7	2.0	2.4	193	170	181	93	77	85
	CHECKS:											
3	SURYA	2.5	3.0	3.3	2.0	2.7	167	164	165	80	74	77
4	HIM - 129	2.3	2.8	2.0	3.0	2.5	177	160	168	77	60	69
	MEAN LOCATION	2.5	2.8	2.8	2.7	2.7	179	167	173	85	72	78
	C.D. AT 5%=	0.4	0.3	0.7	0.3	0.4	28.0	4.5	16.2	12.8	2.2	7.5
	C.V. % =	13.0	7.9	13.6	9.7	-	7.8	2.2	-	7.5	2.5	-
	F (Prob)	.291	.007	.022	.000	-	.269	.000	-	.066	.000	-

Sl No	PEDIGREE	EAR No./PLANT HYDE	MAND	COIM	ZN 4 MEAN	STAND AT HARVEST HYDE	ARBH	MAND	COIM	ZN 4 MEAN
1	EC - 3108	1.06	0.77	1.01	0.94	76	72	100	114	91
2	A H - 421	1.03	0.85	1.00	0.96	69	106	94	111	95
	CHECKS:									
3	SURYA	1.03	0.66	1.00	0.90	63	71	97	111	85
4	HIM - 129	1.05	0.84	1.01	0.97	68	72	98	110	87
	MEAN LOCATION	-	-	-	-	69	80	98	112	90
	C.D. AT 5%=	-	-	-	-	16.2	14.1	4.5	2.3	9.3
	C.V. % =	-	-	-	-	17.1	14.3	2.3	1.7	-
	F (Prob)	-	-	-	-	.392	.000	.094	.007	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 40

PERFORMANCE OF FULL SEASON, HARD ENDOSPERM, QPM EXPERIMENTAL HYBRIDS AT ALMORA, BAJAURA, LUDHIANA, KARNAL, HYDERABAD, ARBHAVI IN TRIAL No. QPM1 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				ZN 1					ZN 2	
		ALMO	R	BAJA	R	MEAN	R	LUDH	R	KARN	R	MEAN	R
1	J H - QPM - 15	6814	9	3609	15	5212	12	7803	1	5337	12	6570	7
2	J H - QPM - 29	9323	1	4984	4	7154	1	7425	5	5677	10	6551	8
3	J H - QPM - 42	7027	7	5344	3	6185	5	7318	7	5927	8	6622	5
4	J H - QPM - 78	6355	11	3314	17	4834	14	6900	10	5296	13	6098	13
5	J H - QPM - 79	7081	6	3785	14	5433	10	6792	13	5269	16	6031	14
6	J H - QPM - 80	6894	8	4834	6	5864	7	7075	9	6111	6	6593	6
7	J H - QPM - 81	6775	10	4332	8	5553	9	6873	11	5589	11	6231	11
8	HQPM - 1	8187	3	3865	13	6026	6	6873	12	7253	1	7063	2
9	HQPM - 2	7437	4	5779	1	6608	2	3743	18	7235	2	5489	16
9	FILLER	-		-		-		-		-		-	
10	HQPM - 3	6049	13	3474	16	4761	15	7232	8	5270	15	6251	10
10	FILLER	-		-		-		-		-		-	
11	B-QPMH - 12	8376	2	4123	10	6250	4	7632	3	6766	3	7199	1
12	B-QPMH - 024	6013	14	4184	9	5099	13	7357	6	5285	14	6321	9
13	B-QPMH - 31	6173	12	4943	5	5558	8	7634	2	6178	5	6906	3
14	B-QPMH - 32	7098	5	5420	2	6259	3	7559	4	6046	7	6802	4
15	B-QPMH - 33	5981	15	4754	7	5367	11	6035	14	6304	4	6169	12
	CHECKS:												
16	GANGA - 11	5419	16	3879	12	4649	16	5397	15	5918	9	5658	15
17	SHAKTI - 1	3860	18	4051	11	3956	18	5241	16	5183	17	5212	17
18	SHAKTIMAN - 1	5280	17	2805	18	4042	17	4156	17	4873	18	4514	18
	MEAN YIELD=	6675		4304		5489		6614		5862		6238	
	MEAN STAND	22		28		25		35		22		28	
	C.D. AT 5%=	1388		672		1030		973		728		851	
	C.V. % =	12.55		11.00		-		10.38		7.49		-	
	F (Prob)	.000		.000		-		.000		.000		-	
	PLOT SIZE=	3.60		4.80		-		5.20		3.60		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	10-07		10-07		-		11-07		7-07		-	
	HARVEST DATE(2002)	15-11		13-11		-		10-10		4-10		-	
	IRRIGATION Nos	-		2		-		8		3		-	
	FERTILIZER APPLIED N	100		120		-		125		150		-	
	P	60		60		-		60		60		-	
	K	40		40		-		30		60		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 52.8% : DHOL 23.8%

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE HYDE	R	ARBH	R	ZN 4 MEAN	R	OV'L MEAN	R
1	J H - QPM - 15	5051	5	6608	6	5829	4	5870	8
2	J H - QPM - 29	3883	13	7428	2	5656	7	6453	2
3	J H - QPM - 42	5340	1	6206	9	5773	5	6194	5
4	J H - QPM - 78	3575	15	4819	15	4197	14	5043	15
5	J H - QPM - 79	4262	10	5853	11	5058	11	5507	11
6	J H - QPM - 80	4115	11	7552	1	5833	3	6097	6
7	J H - QPM - 81	4751	6	5903	10	5327	10	5704	9
8	HQPM - 1	5081	3	6452	8	5767	6	6285	4
9	HQPM - 2	-		-		-		-	
9	FILLER	2987	17	5008	14	3998	16	-	
10	HQPM - 3	-		-		-		-	
10	FILLER	2667	18	4166	18	3417	18	-	
11	B-QPMH - 12	5063	4	7166	4	6114	2	6521	1
12	B-QPMH - 024	4467	9	6493	7	5480	9	5633	10
13	B-QPMH - 31	3899	12	7120	5	5510	8	5991	7
14	B-QPMH - 32	5213	2	7211	3	6212	1	6424	3
15	B-QPMH - 33	4559	8	5184	13	4871	13	5469	12
	CHECKS:								
16	GANGA - 11	4606	7	5196	12	4901	12	5069	14
17	SHAKTI - 1	2993	16	4197	17	3595	17	4254	17
18	SHAKTIMAN - 1	3715	14	4615	16	4165	15	4241	18
	MEAN YIELD=	4235		5954		5095		5607	
	MEAN STAND	23		40		32		28	
	C.D. AT 5%=	981		856		918		933	
	C.V. % =	16.34		10.13		-		-	
	F (Prob)	.000		.000		-		-	
	PLOT SIZE=	7.50		7.50		-		-	
	AGRONOMY DATA:								
	SOWING DATE(2002)	6-07		27-07		-		-	
	HARVEST DATE(2002)	23-10		2-12		-		-	
	IRRIGATION Nos	7		6		-		-	
	FERTILIZER APPLIED N	120		150		-		-	
	P	60		75		-		-	
	K	40		38		-		-	

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11									
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	25.75	-	12.11	44.56	-	16.12	9.66	27.16	18.94	15.80
2	J H - QPM - 29	72.04	28.50	53.88	37.56	-	15.79	-	42.95	15.39	27.31
3	J H - QPM - 42	29.67	37.78	33.05	35.58	0.16	17.05	15.94	19.43	17.79	22.18
4	J H - QPM - 78	17.28	-	3.99	27.83	-	7.78	-	-	-	-
5	J H - QPM - 79	30.68	-	16.88	25.84	-	6.59	-	12.64	3.20	8.64
6	J H - QPM - 80	27.23	24.62	26.14	31.07	3.27	16.53	-	45.33	19.02	20.27
7	J H - QPM - 81	25.02	11.68	19.46	27.34	-	10.14	3.16	13.59	8.69	12.52
8	HQPM - 1	51.08	-	29.63	27.33	22.57	24.84	10.31	24.16	17.66	23.99
9	HQPM - 2	37.25	49.00	42.15	-	22.26	-	-	-	-	-
9	FILLER	-	-	-	-	-	-	-	-	-	-
10	HQPM - 3	11.63	-	2.42	33.98	-	10.49	-	-	-	-
10	FILLER	-	-	-	-	-	-	-	-	-	-
11	B-QPMH - 12	54.57	6.30	34.43	41.41	14.34	27.25	9.93	37.90	24.75	28.64
12	B-QPMH - 024	10.96	7.88	9.67	36.31	-	11.73	-	24.96	11.81	11.13
13	B-QPMH - 31	13.92	27.43	19.56	41.44	4.41	22.07	-	37.01	12.42	18.19
14	B-QPMH - 32	30.98	39.74	34.64	40.05	2.17	20.24	13.19	38.76	26.75	26.74
15	B-QPMH - 33	10.37	22.57	15.46	11.81	6.52	9.05	-	-	-	7.89
	CHECKS:										
16	GANGA - 11	-	-	-	-	-	-	-	-	-	-
17	SHAKTI - 1	-	4.43	-	-	-	-	-	-	-	-
18	SHAKTIMAN - 1	-	-	-	-	-	-	-	-	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1									
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	76.51	-	31.75	48.88	2.96	26.05	68.74	57.46	62.16	37.99
2	J H - QPM - 29	141.49	23.05	80.85	41.67	9.53	25.69	29.72	77.01	57.32	51.70
3	J H - QPM - 42	82.01	31.94	56.37	39.63	14.35	27.06	78.41	47.89	60.59	45.59
4	J H - QPM - 78	64.63	-	22.22	31.65	2.17	16.99	19.44	14.84	16.76	18.55
5	J H - QPM - 79	83.43	-	37.36	29.60	1.66	15.71	42.40	39.48	40.69	29.46
6	J H - QPM - 80	78.59	19.34	48.25	34.99	17.90	26.49	37.47	79.96	62.27	43.31
7	J H - QPM - 81	75.49	6.95	40.39	31.14	7.84	19.55	58.73	40.66	48.18	34.08
8	HQPM - 1	112.06	-	52.34	31.14	39.94	35.51	69.75	53.75	60.41	47.74
9	HQPM - 2	92.66	42.68	67.07	-	39.58	5.31	-	-	-	-
9	FILLER	-	-	-	-	-	-	-	19.35	11.20	-
10	HQPM - 3	56.69	-	20.37	37.99	1.68	19.94	-	-	-	-
10	FILLER	-	-	-	-	-	-	-	-	-	-
11	B-QPMH - 12	116.96	1.79	58.00	45.63	30.54	38.13	69.15	70.75	70.09	53.29
12	B-QPMH - 024	55.75	3.30	28.90	40.38	1.97	21.28	49.23	54.73	52.44	32.42
13	B-QPMH - 31	59.91	22.03	40.51	45.66	19.20	32.51	30.28	69.66	53.26	40.83
14	B-QPMH - 32	83.86	33.81	58.23	44.23	16.64	30.51	74.17	71.83	72.80	51.02
15	B-QPMH - 33	54.92	17.37	35.69	15.15	21.62	18.37	52.30	23.52	35.50	28.56
	CHECKS:										
16	GANGA - 11	40.37	-	17.53	2.99	14.17	8.55	53.88	23.83	36.34	19.16
17	SHAKTI - 1	-	-	-	-	-	-	-	-	-	-
18	SHAKTIMAN - 1	36.76	-	2.19	-	-	-	24.10	9.98	15.86	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTIMAN - 1									
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	29.06	28.66	28.93	87.75	9.51	45.53	35.97	43.17	39.96	38.43
2	J H - QPM - 29	76.58	77.70	76.97	78.66	16.50	45.11	4.53	60.95	35.79	52.18
3	J H - QPM - 42	33.09	90.53	53.02	76.09	21.63	46.69	43.76	34.47	38.61	46.06
4	J H - QPM - 78	20.37	18.13	19.60	66.02	8.68	35.07	-	4.42	0.77	18.93
5	J H - QPM - 79	34.12	34.95	34.41	63.43	8.13	33.59	14.75	26.82	21.44	29.87
6	J H - QPM - 80	30.59	72.34	45.07	70.23	25.40	46.04	10.77	63.63	40.06	43.77
7	J H - QPM - 81	28.31	54.44	37.38	65.38	14.70	38.03	27.91	27.90	27.90	34.51
8	HQPM - 1	55.06	37.81	49.07	65.38	48.85	56.46	36.78	39.80	38.45	48.22
9	HQPM - 2	40.87	106.05	63.48	-	48.47	21.58	-	-	-	-
9	FILLER	-	-	-	-	-	-	-	8.52	-	-
10	HQPM - 3	14.57	23.85	17.79	74.01	8.16	38.47	-	-	-	-
10	FILLER	-	-	-	-	-	-	-	-	-	-
11	B-QPMH - 12	58.64	47.00	54.60	83.65	38.85	59.48	36.30	55.26	46.80	53.78
12	B-QPMH - 024	13.88	49.18	26.13	77.04	8.46	40.03	20.25	40.69	31.58	32.84
13	B-QPMH - 31	16.92	76.22	37.49	83.69	26.79	52.98	4.98	54.26	32.28	41.28
14	B-QPMH - 32	34.43	93.24	54.83	81.89	24.07	50.68	40.35	56.23	49.15	51.50
15	B-QPMH - 33	13.27	69.50	32.78	45.22	29.36	36.66	22.72	12.31	16.95	28.98
	CHECKS:										
16	GANGA - 11	2.63	38.28	15.00	29.88	21.44	25.32	23.99	12.59	17.67	19.54
17	SHAKTI - 1	-	44.41	-	26.11	6.37	15.45	-	-	-	0.32
18	SHAKTIMAN - 1	-	-	-	-	-	-	-	-	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED									
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	68.0	66.5	67.3	54.5	52.7	53.6	59.5	60.0	59.8	60.2
2	J H - QPM - 29	66.7	67.3	67.0	56.5	53.0	54.8	59.0	60.8	59.9	60.5
3	J H - QPM - 42	63.7	62.8	63.2	53.0	49.7	51.3	56.5	58.3	57.4	57.3
4	J H - QPM - 78	68.7	70.0	69.3	55.8	55.0	55.4	58.5	62.3	60.4	61.7
5	J H - QPM - 79	67.3	67.8	67.5	55.3	53.7	54.5	60.0	60.8	60.4	60.8
6	J H - QPM - 80	68.0	67.8	67.9	54.8	53.3	54.0	58.5	61.0	59.8	60.6
7	J H - QPM - 81	69.0	68.8	68.9	55.3	54.3	54.8	57.8	62.0	59.9	61.2
8	HQPM - 1	65.7	64.3	65.0	51.8	50.3	51.0	59.0	59.8	59.4	58.5
9	HQPM - 2	68.3	65.8	67.0	44.0	50.3	47.2	-	-	-	-
	FILLER	-	-	-	-	-	-	53.0	51.3	52.1	-
10	HQPM - 3	70.0	68.3	69.1	54.8	53.3	54.0	-	-	-	-
	FILLER	-	-	-	-	-	-	53.3	51.0	52.1	-
11	B-QPMH - 12	68.3	67.3	67.8	52.3	53.3	52.8	59.0	62.8	60.9	60.5
12	B-QPMH - 024	66.7	65.8	66.2	51.5	51.7	51.6	58.5	60.0	59.3	59.0
13	B-QPMH - 31	63.0	61.8	62.4	51.8	50.3	51.0	56.8	58.5	57.6	57.0
14	B-QPMH - 32	61.7	58.8	60.2	49.0	47.0	48.0	55.0	56.3	55.6	54.6
15	B-QPMH - 33	60.3	54.3	57.3	44.5	47.7	46.1	55.0	55.3	55.1	52.8
	CHECKS:										
16	GANGA - 11	64.3	66.0	65.2	54.8	49.7	52.2	57.5	59.8	58.6	58.7
17	SHAKTI - 1	57.3	52.5	54.9	44.3	45.7	45.0	54.5	52.8	53.6	51.2
18	SHAKTIMAN - 1	66.7	65.3	66.0	54.5	55.3	54.9	56.3	59.0	57.6	59.5
	MEAN LOCATION	65.8	64.5	65.1	52.1	51.5	51.8	57.1	58.4	57.7	58.2
	C.D. AT 5%=	1.5	2.2	1.8	2.2	1.4	1.8	2.3	1.3	1.8	-
	C.V. % =	1.3	2.4	-	3.0	1.6	-	2.9	1.6	-	-
	F (Prob)	.000	.000	-	.000	.000	-	.000	.000	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % ALMO	DAYS TO 50 % BAJA	DRY HUSK ZN 1 MEAN	DRY HUSK ZN 2 LUDH	DRY HUSK ZN 4 HYDE	DRY HUSK OV'L MEAN	MOISTURE % AT HARVEST ALMO	MOISTURE % AT HARVEST BAJA	MOISTURE % AT HARVEST ZN 1 MEAN	MOISTURE % AT HARVEST ZN 2 LUDH	MOISTURE % AT HARVEST HYDE	MOISTURE % AT HARVEST ARBH	MOISTURE % AT HARVEST ZN 4 MEAN	MOISTURE % AT HARVEST OV'L MEAN
1	J H - QPM - 15	124.0	118.8	121.4	90.5	94.5	106.9	40.3	39.0	39.6	26.1	30.2	29.5	29.8	33.0
2	J H - QPM - 29	123.3	118.5	120.9	90.3	92.8	106.2	40.2	36.0	38.1	25.7	23.7	25.0	24.3	30.1
3	J H - QPM - 42	122.3	118.0	120.2	88.5	95.0	106.0	38.9	34.0	36.4	24.5	22.7	27.2	25.0	29.4
4	J H - QPM - 78	124.0	117.3	120.6	90.5	94.0	106.4	41.3	37.2	39.3	24.9	25.8	23.5	24.6	30.5
5	J H - QPM - 79	122.3	115.8	119.0	90.8	93.0	105.5	40.6	35.3	38.0	25.5	23.8	24.5	24.1	29.9
6	J H - QPM - 80	125.3	120.5	122.9	91.3	94.0	107.8	44.6	39.0	41.8	29.8	24.1	16.1	20.1	30.7
7	J H - QPM - 81	125.7	119.8	122.7	90.3	94.3	107.5	44.7	38.9	41.8	33.4	25.9	31.2	28.5	34.8
8	HQPM - 1	122.3	117.8	120.0	92.0	97.5	107.4	39.7	37.3	38.5	30.9	27.1	26.7	26.9	32.3
9	HQPM - 2	124.0	118.5	121.3	77.5	-	-	41.6	36.0	38.8	22.0	-	-	-	-
9	FILLER	-	-	-	-	89.3	-	-	-	-	-	24.0	17.0	20.5	-
10	HQPM - 3	124.3	116.8	120.5	90.0	-	-	40.2	37.1	38.7	24.4	-	-	-	-
10	FILLER	-	-	-	-	88.5	-	-	-	-	-	22.5	16.1	19.3	-
11	B-QPMH - 12	114.0	112.8	113.4	88.5	95.3	102.6	36.4	36.4	36.4	27.3	24.3	24.1	24.2	29.7
12	B-QPMH - 024	123.7	119.3	121.5	84.3	93.8	105.2	43.7	36.4	40.1	23.5	21.7	19.4	20.5	29.0
13	B-QPMH - 31	121.3	112.8	117.0	87.5	94.8	104.1	37.7	36.1	36.9	23.8	25.3	18.2	21.8	28.2
14	B-QPMH - 32	119.7	114.8	117.2	82.8	94.8	103.0	38.2	33.0	35.6	23.4	22.8	22.0	22.4	27.9
15	B-QPMH - 33	110.7	106.8	108.7	80.5	94.5	98.1	35.9	29.7	32.8	21.0	22.8	16.7	19.8	25.2
	CHECKS:														
16	GANGA - 11	122.7	116.3	119.5	89.8	93.8	105.6	40.3	31.8	36.0	25.5	25.0	22.9	23.9	29.1
17	SHAKTI - 1	115.3	113.0	114.2	77.5	92.0	99.5	36.3	29.7	33.0	22.5	25.9	17.5	21.7	26.4
18	SHAKTIMAN - 1	123.0	119.3	121.1	86.5	94.8	105.9	39.6	34.4	37.0	32.2	27.5	21.0	24.3	31.0
	MEAN LOCATION	121.6	116.5	119.0	87.2	93.7	104.7	40.0	35.4	37.7	25.9	24.7	22.1	23.4	29.6
	C.D. AT 5%=	2.2	3.3	2.8	2.2	2.4	-	2.0	2.2	2.1	4.3	2.2	1.7	1.9	-
	C.V. % =	1.1	2.0	-	1.8	1.8	-	3.0	4.4	-	11.7	6.2	5.3	-	-
	F (Prob)	.000	.000	-	.000	.000	-	.000	.000	-	.000	.000	.000	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN	EAR ASPECT * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	2.5	2.4	2.4	2.3	1.8	2.0	2.2	2.4	2.8	2.6	2.4	2.0	2.2	2.4
2	J H - QPM - 29	2.4	2.4	2.4	2.4	2.0	2.2	2.3	2.4	2.5	2.4	2.4	2.5	2.4	2.4
3	J H - QPM - 42	2.5	2.5	2.5	2.0	1.8	1.9	2.2	2.4	2.4	2.4	2.0	2.3	2.1	2.2
4	J H - QPM - 78	2.6	2.8	2.7	2.8	2.0	2.4	2.5	2.5	2.6	2.6	2.9	2.5	2.7	2.6
5	J H - QPM - 79	2.5	2.5	2.5	2.4	2.0	2.2	2.3	2.4	2.8	2.6	2.4	2.5	2.4	2.5
6	J H - QPM - 80	2.4	2.5	2.5	2.4	2.0	2.2	2.3	2.4	2.5	2.4	2.4	2.3	2.3	2.4
7	J H - QPM - 81	2.4	2.5	2.5	2.1	2.0	2.1	2.3	2.4	2.6	2.5	2.3	2.3	2.3	2.4
8	HQPM - 1	2.5	2.8	2.6	2.5	2.0	2.3	2.4	2.3	2.6	2.5	2.5	2.5	2.5	2.5
9	HQPM - 2	2.5	2.6	2.6	-	-	-	-	2.4	2.5	2.5	-	-	-	-
9	FILLER	-	-	-	3.0	3.0	3.0	-	-	-	-	3.0	3.0	3.0	-
10	HQPM - 3	2.8	2.5	2.7	-	-	-	-	2.6	2.6	2.6	-	-	-	-
10	FILLER	-	-	-	2.8	2.5	2.6	-	-	-	-	2.8	3.0	2.9	-
11	B-QPMH - 12	2.6	2.5	2.5	2.6	2.0	2.3	2.4	2.3	2.6	2.5	2.6	2.8	2.7	2.6
12	B-QPMH - 024	2.5	2.4	2.4	2.1	2.0	2.1	2.3	2.6	2.6	2.6	2.4	2.8	2.6	2.6
13	B-QPMH - 31	2.8	2.6	2.7	2.5	2.0	2.3	2.5	2.6	2.5	2.5	2.5	2.8	2.6	2.6
14	B-QPMH - 32	2.7	2.8	2.7	2.0	2.0	2.0	2.4	2.4	2.5	2.5	2.0	2.3	2.1	2.3
15	B-QPMH - 33	2.9	2.5	2.7	2.8	2.5	2.6	2.7	2.6	2.5	2.5	2.8	3.0	2.9	2.7
	CHECKS:														
16	GANGA - 11	2.7	2.8	2.7	2.6	2.5	2.6	2.6	2.5	2.5	2.5	2.6	3.0	2.8	2.7
17	SHAKTI - 1	2.9	3.0	3.0	2.9	2.8	2.8	2.9	2.9	2.8	2.8	2.9	3.3	3.1	3.0
18	SHAKTIMAN - 1	3.0	2.9	2.9	2.8	3.0	2.9	2.9	3.1	3.0	3.1	3.1	3.0	3.1	3.1
	MEAN LOCATION	2.6	2.6	2.6	2.5	2.2	2.3	2.5	2.5	2.6	2.6	2.5	2.6	2.6	2.6
	C.D. AT 5%=	0.2	0.3	0.2	0.3	0.1	0.2	-	0.3	0.3	0.3	0.3	0.2	0.3	-
	C.V. % =	3.8	7.1	-	9.7	3.8	-	-	6.3	7.4	-	8.8	6.3	-	-
	F (Prob)	.000	.000	-	.000	.000	-	-	.000	.015	-	.000	.000	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN	UNIFORMITY * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	ZN 4 MEAN	OV'L MEAN
1	J H - QPM - 15	1.9	2.0	1.9	2.3	1.5	1.9	1.9	2.7	2.1	2.4	2.4	1.5	1.9	2.2
2	J H - QPM - 29	2.0	2.0	2.0	2.3	1.8	2.0	2.0	2.6	2.1	2.4	2.4	2.0	2.2	2.3
3	J H - QPM - 42	1.9	2.0	2.0	2.0	1.5	1.8	1.9	2.6	2.1	2.4	2.0	1.8	1.9	2.1
4	J H - QPM - 78	2.2	2.0	2.1	2.8	1.8	2.3	2.2	2.8	2.3	2.5	2.9	2.0	2.4	2.5
5	J H - QPM - 79	1.9	2.0	1.9	2.3	2.0	2.1	2.0	2.6	2.0	2.3	2.4	2.0	2.2	2.2
6	J H - QPM - 80	2.7	2.4	2.5	2.4	2.0	2.2	2.4	2.6	2.5	2.5	2.4	1.8	2.1	2.3
7	J H - QPM - 81	2.0	2.0	2.0	2.3	2.0	2.1	2.1	2.6	2.1	2.4	2.3	1.5	1.9	2.1
8	HQPM - 1	2.6	2.3	2.4	2.3	2.0	2.1	2.3	2.7	2.0	2.3	2.4	2.0	2.2	2.3
9	HQPM - 2	2.5	2.0	2.3	-	-	-	-	2.8	2.4	2.6	-	-	-	-
9	FILLER	-	-	-	3.0	3.0	3.0	-	-	-	-	3.0	2.8	2.9	-
10	HQPM - 3	2.0	2.0	2.0	-	-	-	-	2.7	2.0	2.3	-	-	-	-
10	FILLER	-	-	-	2.6	2.8	2.7	-	-	-	-	2.6	2.5	2.6	-
11	B-QPMH - 12	2.7	2.0	2.3	2.5	2.0	2.3	2.3	2.8	2.3	2.5	2.6	1.8	2.2	2.4
12	B-QPMH - 024	2.5	2.1	2.3	2.1	2.0	2.1	2.2	2.8	2.0	2.4	2.3	2.3	2.3	2.3
13	B-QPMH - 31	2.5	2.8	2.6	2.3	2.8	2.5	2.6	2.8	2.4	2.6	2.5	2.0	2.3	2.4
14	B-QPMH - 32	1.9	2.0	2.0	2.0	1.8	1.9	1.9	2.7	2.1	2.4	2.0	2.0	2.0	2.2
15	B-QPMH - 33	2.1	2.4	2.2	2.6	2.0	2.3	2.3	2.8	2.5	2.7	2.8	2.5	2.6	2.6
	CHECKS:														
16	GANGA - 11	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.9	2.9	2.9	2.6	2.5	2.6	2.7
17	SHAKTI - 1	2.5	2.8	2.6	2.8	2.5	2.6	2.6	2.9	2.4	2.6	2.8	2.8	2.8	2.7
18	SHAKTIMAN - 1	2.4	2.5	2.5	2.8	2.5	2.6	2.5	2.9	2.3	2.6	2.9	2.8	2.8	2.7
	MEAN LOCATION	2.3	2.2	2.2	2.4	2.1	2.3	2.2	2.7	2.2	2.5	2.5	2.1	2.3	2.4
	C.D. AT 5%=	0.4	0.3	0.3	0.4	0.3	0.3	-	0.3	0.3	0.3	0.4	0.2	0.3	-
	C.V. % =	9.7	9.0	-	12.2	8.7	-	-	6.5	10.1	-	10.2	7.7	-	-
	F (Prob)	.000	.000	-	.000	.000	-	-	.410	.000	-	.000	.000	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	OV'L MEAN	EAR HEIGHT (cm) ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	OV'L MEAN
1	J H - QPM - 15	283	182	232	229	210	219	226	148	79	113	106	107	106	110
2	J H - QPM - 29	289	190	240	216	193	205	222	157	68	113	99	95	97	105
3	J H - QPM - 42	272	195	233	209	213	211	222	137	86	111	94	110	102	107
4	J H - QPM - 78	272	198	235	226	203	215	225	142	79	111	100	112	106	108
5	J H - QPM - 79	291	194	243	229	200	214	228	157	76	117	106	107	106	111
6	J H - QPM - 80	295	167	231	231	212	221	226	156	66	111	104	107	105	108
7	J H - QPM - 81	278	170	224	230	213	222	223	151	65	108	106	110	108	108
8	HQPM - 1	257	165	211	213	183	198	204	120	72	96	89	88	89	92
9	HQPM - 2	281	188	234	178	175	176	205	152	78	115	76	88	82	99
9	FILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	HQPM - 3	280	158	219	220	198	209	214	141	75	108	98	108	103	105
10	FILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	B-QPMH - 12	277	167	222	226	207	216	219	150	73	111	103	107	105	108
12	B-QPMH - 024	255	166	211	214	192	203	207	130	71	101	95	103	99	100
13	B-QPMH - 31	267	177	222	210	185	198	210	139	81	110	101	105	103	107
14	B-QPMH - 32	243	142	192	189	175	182	187	113	63	88	85	93	89	89
15	B-QPMH - 33	236	160	198	209	163	186	192	119	66	93	94	87	90	92
	CHECKS:														
16	GANGA - 11	265	179	222	208	178	193	207	133	85	109	100	95	98	103
17	SHAKTI - 1	213	156	184	181	163	172	178	98	59	79	84	83	84	81
18	SHAKTIMAN - 1	233	160	197	168	185	176	186	116	58	87	68	83	75	81
	MEAN LOCATION	266	173	219	210	192	201	210	137	72	104	95	99	97	101
	C.D. AT 5%=	12.2	19.5	15.9	16.7	12.7	14.7	-	12.3	13.1	12.7	13.0	9.7	11.3	-
	C.V. % =	2.8	8.0	-	5.6	4.0	-	-	5.4	12.8	-	9.6	5.9	-	-
	F (Prob)	.000	.000	-	.000	.000	-	-	.000	.001	-	.000	.000	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	H.turcicum * ZN 1			H.may. *	Physo. *	EAR No./PLANT			STAND AT HARVEST					
		ALMO	BAJA	MEAN	ALMO	ALMO	ALMO	LUDH	HYDE	ALMO	BAJA	LUDH	KARN	HYDE	ARBH
1	J H - QPM - 15	2.2	1.5	1.9	1.1	1.6	0.99	1.01	1.08	22	29	35	21	19	43
2	J H - QPM - 29	1.2	1.6	1.4	1.0	1.2	0.99	1.07	1.07	24	30	37	22	26	41
3	J H - QPM - 42	2.2	1.9	2.0	1.0	1.0	1.07	1.00	1.07	24	29	35	20	31	41
4	J H - QPM - 78	1.8	1.6	1.7	1.1	1.0	0.91	1.05	1.12	20	25	30	22	20	41
5	J H - QPM - 79	2.2	1.8	2.0	1.1	1.0	0.97	1.03	1.03	22	29	37	23	22	43
6	J H - QPM - 80	1.4	1.6	1.5	1.1	1.1	1.00	0.93	1.03	23	27	35	22	27	40
7	J H - QPM - 81	1.3	1.6	1.4	1.0	1.0	1.01	1.01	1.07	21	28	34	21	26	37
8	HQPM - 1	1.7	1.5	1.6	1.6	1.3	0.96	1.05	-	22	31	37	22	25	42
9	HQPM - 2	1.8	1.5	1.6	1.2	1.3	-	-	1.04	21	26	36	22	-	-
9	FILLER	-	-	-	-	-	1.06	1.06	-	-	-	-	-	22	40
10	HQPM - 3	2.3	1.4	1.8	1.1	1.0	-	-	1.04	24	28	34	22	-	-
10	FILLER	-	-	-	-	-	1.09	0.95	1.07	-	-	-	-	22	42
11	B-QPMH - 12	2.3	1.6	1.9	1.1	1.2	1.03	1.01	1.11	22	28	38	22	30	43
12	B-QPMH - 024	2.3	1.5	1.9	1.2	1.3	0.97	0.96	1.10	22	28	36	22	25	44
13	B-QPMH - 31	2.4	2.3	2.3	1.3	1.2	1.00	1.09	1.06	22	27	33	22	18	40
14	B-QPMH - 32	1.6	1.6	1.6	1.9	1.4	1.00	1.14	1.07	24	29	36	22	25	41
15	B-QPMH - 33	2.4	2.4	2.4	1.9	1.6	1.00	0.99	1.03	24	27	36	23	22	41
	CHECKS:														
16	GANGA - 11	2.3	2.3	2.3	1.4	1.4	0.96	1.03	1.04	21	30	38	22	18	39
17	SHAKTI - 1	2.6	2.8	2.7	1.9	1.0	1.06	1.07	1.09	21	29	34	21	19	37
18	SHAKTIMAN - 1	1.6	2.4	2.0	1.7	1.3	0.98	1.00	1.06	19	25	26	21	14	32
	MEAN LOCATION	2.0	1.8	1.9	1.3	1.2	-	-	-	22	28	35	22	23	40
	C.D. AT 5%=	0.4	0.4	0.4	0.4	0.4	-	-	-	2.2	2.9	4.1	1.5	5.3	5.4
	C.V. % =	11.5	15.8	-	16.6	18.0	-	-	-	6.1	7.3	8.4	4.1	16.4	9.4
	F (Prob)	.000	.000	-	.000	.007	-	-	-	.001	.012	.000	.224	.000	.010

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 41

PERFORMANCE OF EARLY MATURING, HARD ENDOSPERM, EXPERIMENTAL HYBRIDS AT ALMORA, BAJAURA, DELHI DMR, LUDHIANA, KARNAL, DHOLI, HYDERABAD, ARBHAVI, COIMBATORE IN TRIAL No. QPM2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				ZN 1		DMR						ZN 2	
		ALMO	R	BAJA	R	MEAN	R	DELH	R	LUDH	R	KARN	R	MEAN	R
1	J H QPM - 24	6755	9	4887	11	5821	11	1723	5	6121	8	6686	4	4843	5
2	J H QPM - 26	6385	11	5667	6	6026	8	1162	11	6187	7	6055	9	4468	9
3	J H QPM - 56	6897	7	6027	3	6462	7	1718	6	5767	10	6297	6	4594	7
4	J H QPM - 82	8066	2	6000	4	7033	2	1609	7	6648	5	6242	8	4833	6
5	J H QPM - 83	6512	10	5501	8	6006	9	1735	4	7205	3	6291	7	5077	4
6	J H QPM - 84	7726	4	6459	1	7092	1	1950	1	5858	9	5404	11	4404	10
7	X P 0101	7967	3	5409	9	6688	5	1473	10	7401	1	7178	1	5351	1
8	X P 0102	7490	5	6341	2	6916	4	1742	3	6541	6	5151	12	4478	8
9	X P 0103	7481	6	5650	7	6566	6	1534	9	6943	4	7012	2	5163	3
10	X P 0104	8087	1	5960	5	7023	3	1853	2	7293	2	6729	3	5292	2
	CHECKS:														
11	DECCAN - 107	6797	8	5134	10	5965	10	698	12	5667	11	6401	5	4255	11
12	SHAKTI - 1	5079	12	3843	12	4461	12	1541	8	4479	12	5815	10	3945	12
	MEAN YIELD=	7104		5573		6338		1561		6342		6272		4725	
	MEAN STAND	22		33		28		20		36		22		26	
	C.D. AT 5%=	1070		850		960		499		1030		1258		929	
	C.V. % =	10.49		9.03		-		22.27		11.31		11.88		-	
	F (Prob)	.000		.000		-		.049		.000		.063		-	
	PLOT SIZE=	3.60		4.80		-		7.50		5.20		3.60		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	10-07		10-07		-		8-07		11-07		7-07		-	
	HARVEST DATE(2002)	15-11		13-11		-		24-10		10-10		4-10		-	
	IRRIGATION Nos	-		2		-		7		8		3		-	
	FERTILIZER APPLIED N	100		120		-		120		125		150		-	
	P	60		60		-		60		60		60		-	
	K	40		40		-		40		30		60		-	

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 3 DHOL	R	HYDE	R	ARBH	R	COIM	R	ZN 4 MEAN	R	OV'L MEAN	R
1	J H QPM - 24	3439	5	1948	3	4767	10	4099	6	3605	9	4492	10
2	J H QPM - 26	3550	3	1413	11	4636	11	4223	4	3424	10	4364	11
3	J H QPM - 56	2776	10	1954	2	5406	5	4067	7	3809	3	4545	7
4	J H QPM - 82	3058	8	1816	7	5641	3	3480	10	3646	7	4729	4
5	J H QPM - 83	3419	7	1828	6	5243	6	4356	3	3809	4	4677	5
6	J H QPM - 84	2419	11	1832	5	5500	4	3721	9	3684	5	4541	8
7	X P 0101	3425	6	1701	8	4953	9	3146	11	3267	11	4739	3
8	X P 0102	3464	4	1659	9	5150	7	4164	5	3658	6	4634	6
9	X P 0103	4538	1	2224	1	7536	1	5339	1	5033	1	5362	1
10	X P 0104	4120	2	1881	4	5034	8	3966	8	3627	8	4991	2
	CHECKS:												
11	DECCAN - 107	2786	9	1518	10	6819	2	4825	2	4387	2	4516	9
12	SHAKTI - 1	2188	12	1365	12	4570	12	2985	12	2973	12	3541	12
	MEAN YIELD=	3265		1762		5438		4031		3743		4594	
	MEAN STAND	35		13		42		37		31		29	
	C.D. AT 5%=	1178		565		982		1138		895		952	
	C.V. % =	25.14		22.36		12.58		19.67		-		-	
	F (Prob)	.031		.058		.000		.008		-		-	
	PLOT SIZE=	7.50		7.50		7.50		7.50		-		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	17-07		6-07		17-07		19-07		-		-	
	HARVEST DATE(2002)	30-10		23-10		11-11		31-10		-		-	
	IRRIGATION Nos	-		8		7		8		-		-	
	FERTILIZER APPLIED N	100		120		150		135		-		-	
	P	60		60		75		63		-		-	
	K	40		30		38		50		-		-	

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107						
		ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	KARN	ZN 2 MEAN
1	J H QPM - 24	-	-	-	146.92	8.00	4.45	13.81
2	J H QPM - 26	-	10.39	1.02	66.54	9.18	-	5.00
3	J H QPM - 56	1.48	17.39	8.33	146.18	1.76	-	7.95
4	J H QPM - 82	18.68	16.87	17.90	130.67	17.30	-	13.58
5	J H QPM - 83	-	7.16	0.69	148.66	27.14	-	19.31
6	J H QPM - 84	13.66	25.81	18.89	179.42	3.36	-	3.48
7	X P 0101	17.21	5.35	12.11	111.10	30.60	12.14	25.74
8	X P 0102	10.20	23.52	15.93	149.64	15.41	-	5.22
9	X P 0103	10.07	10.05	10.06	119.89	22.50	9.53	21.32
10	X P 0104	18.97	16.10	17.74	165.58	28.68	5.12	24.35
	CHECKS:							
11	DECCAN - 107	-	-	-	-	-	-	-
12	SHAKTI - 1	-	-	-	120.85	-	-	-

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107					
		ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	23.47	28.37	-	-	-	-
2	J H QPM - 26	27.43	-	-	-	-	-
3	J H QPM - 56	-	28.73	-	-	-	0.65
4	J H QPM - 82	9.77	19.69	-	-	-	4.71
5	J H QPM - 83	22.73	20.42	-	-	-	3.55
6	J H QPM - 84	-	20.69	-	-	-	0.55
7	X P 0101	22.95	12.10	-	-	-	4.94
8	X P 0102	24.36	9.32	-	-	-	2.60
9	X P 0103	62.91	46.53	10.51	10.63	14.71	18.72
10	X P 0104	47.89	23.95	-	-	-	10.52
	CHECKS:						
11	DECCAN - 107	-	-	-	-	-	-
12	SHAKTI - 1	-	-	-	-	-	-

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1 ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	KARN	ZN 2 MEAN
1	J H QPM - 24	33.02	27.15	30.49	11.81	36.64	14.99	22.77
2	J H QPM - 26	25.73	47.45	35.09	-	38.13	4.14	13.26
3	J H QPM - 56	35.81	56.81	44.86	11.47	28.74	8.30	16.45
4	J H QPM - 82	58.83	56.11	57.66	4.45	48.41	7.36	22.52
5	J H QPM - 83	28.22	43.14	34.64	12.59	60.85	8.20	28.70
6	J H QPM - 84	52.12	68.06	58.99	26.52	30.77	-	11.63
7	X P 0101	56.87	40.73	49.92	-	65.23	23.45	35.64
8	X P 0102	47.49	64.99	55.03	13.04	46.02	-	13.51
9	X P 0103	47.31	47.01	47.18	-	54.99	20.59	30.87
10	X P 0104	59.23	55.08	57.44	20.25	62.81	15.73	34.14
	CHECKS:							
11	DECCAN - 107	33.84	33.58	33.73	-	26.52	10.09	7.87
12	SHAKTI - 1	-	-	-	-	-	-	-

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1 ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	57.19	42.73	4.30	37.33	21.24	26.86
2	J H QPM - 26	62.23	3.56	1.44	41.45	15.16	23.27
3	J H QPM - 56	26.87	43.13	18.29	36.25	28.10	28.38
4	J H QPM - 82	39.75	33.08	23.44	16.58	22.62	33.57
5	J H QPM - 83	56.26	33.89	14.74	45.91	28.10	32.09
6	J H QPM - 84	10.55	34.19	20.36	24.66	23.91	28.25
7	X P 0101	56.53	24.65	8.38	5.40	9.87	33.86
8	X P 0102	58.33	21.55	12.70	39.50	23.02	30.87
9	X P 0103	107.41	62.92	64.90	78.83	69.26	51.44
10	X P 0104	88.28	37.82	10.16	32.86	21.99	40.98
	CHECKS:						
11	DECCAN - 107	27.31	11.19	49.22	61.64	47.56	27.56
12	SHAKTI - 1	-	-	-	-	-	-

TABLE NO. 41 (CONT.)

DAYS TO 50 % POLLEN SHED

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	KARN	ZN 2 MEAN	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	58.3	62.7	60.5	64.5	48.0	48.0	53.5	58.0	56.0	55.8	53.3	55.0	56.0
2	J H QPM - 26	58.3	60.0	59.1	61.5	48.8	47.7	52.6	58.5	57.5	54.8	52.5	54.9	55.5
3	J H QPM - 56	56.0	58.0	57.0	59.0	46.5	46.3	50.6	58.0	54.5	53.8	52.0	53.4	53.8
4	J H QPM - 82	57.0	59.3	58.2	60.3	47.5	47.3	51.7	57.0	55.5	54.5	52.8	54.3	54.6
5	J H QPM - 83	58.0	64.7	61.3	63.5	48.3	48.7	53.5	56.5	56.5	55.0	54.5	55.3	56.2
6	J H QPM - 84	57.0	57.7	57.3	61.0	46.3	46.3	51.2	57.0	55.0	53.5	50.0	52.8	53.8
7	X P 0101	65.0	69.3	67.2	64.5	51.0	49.3	54.9	58.5	58.5	60.3	57.5	58.8	59.3
8	X P 0102	59.0	62.3	60.7	62.8	47.5	47.0	52.4	59.0	58.0	56.5	53.3	55.9	56.1
9	X P 0103	68.3	67.7	68.0	63.8	52.0	52.7	56.1	57.5	58.5	61.3	60.0	59.9	60.2
10	X P 0104	60.8	62.7	61.7	59.8	47.3	49.0	52.0	57.5	57.5	58.3	55.5	57.1	56.5
	CHECKS:													
11	DECCAN - 107	62.0	61.7	61.8	68.3	49.0	49.0	55.4	55.5	59.5	58.3	57.0	58.3	57.8
12	SHAKTI - 1	56.5	58.0	57.3	60.3	46.0	47.3	51.2	56.5	54.5	54.0	51.3	53.3	53.8
	MEAN LOCATION	59.7	62.0	60.8	62.4	48.2	48.2	52.9	57.5	56.8	56.3	54.1	55.7	56.1
	C.D. AT 5%=	1.3	3.3	2.3	5.8	1.6	1.5	2.9	3.0	2.2	1.9	1.1	1.7	-
	C.V. % =	1.6	3.2	-	6.4	2.3	1.8	-	3.6	2.6	2.4	1.4	-	-
	F (Prob)	.000	.000	-	.106	.000	.000	-	.524	.000	.000	.000	-	-

DAYS TO 50 % SILKING

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	KARN	ZN 2 MEAN	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	59.8	65.0	62.4	67.0	51.0	50.7	56.2	60.0	58.0	56.8	55.8	56.8	58.2
2	J H QPM - 26	59.3	62.0	60.6	63.5	50.3	50.7	54.8	61.0	59.5	54.5	54.5	56.2	57.2
3	J H QPM - 56	57.3	60.7	59.0	61.0	48.3	49.0	52.8	60.0	56.5	55.3	54.3	55.3	55.8
4	J H QPM - 82	57.8	61.7	59.7	62.3	49.8	50.0	54.0	59.0	57.5	54.8	55.5	55.9	56.5
5	J H QPM - 83	59.0	67.7	63.3	65.8	49.8	50.7	55.4	58.5	58.5	56.0	56.3	56.9	58.0
6	J H QPM - 84	58.0	60.0	59.0	63.3	48.3	49.3	53.6	59.0	57.0	53.8	53.0	54.6	55.7
7	X P 0101	67.0	71.7	69.3	66.8	53.0	52.0	57.3	60.5	60.5	61.0	61.5	61.0	61.5
8	X P 0102	60.3	65.3	62.8	65.8	50.0	50.3	55.4	61.0	60.0	59.0	57.8	58.9	58.8
9	X P 0103	70.0	69.7	69.8	66.5	54.3	55.3	58.7	59.5	60.5	62.3	63.8	62.2	62.4
10	X P 0104	61.8	65.0	63.4	61.8	49.3	51.3	54.1	60.0	59.5	60.0	58.3	59.3	58.5
	CHECKS:													
11	DECCAN - 107	63.8	64.3	64.0	71.5	51.3	51.0	57.9	58.3	61.5	59.5	59.5	60.2	60.1
12	SHAKTI - 1	57.8	61.0	59.4	62.3	47.5	50.3	53.4	58.5	56.5	55.5	53.5	55.2	55.9
	MEAN LOCATION	61.0	64.5	62.7	64.8	50.2	50.9	55.3	59.6	58.8	57.4	57.0	57.7	58.2
	C.D. AT 5%=	1.2	3.6	2.4	6.2	1.9	1.6	3.2	3.1	2.2	2.1	1.0	1.7	-
	C.V. % =	1.4	3.3	-	6.7	2.6	1.9	-	3.6	2.5	2.5	1.2	-	-
	F (Prob)	.000	.000	-	.072	.000	.000	-	.629	.000	.000	.000	-	-

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	ZN 3 DHOL	HYDE	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	111.3	104.0	107.6	81.5	89.0	91.8	97.3	94.5	95.8
2	J H QPM - 26	113.5	106.7	110.1	82.8	88.8	91.0	96.5	93.8	96.5
3	J H QPM - 56	111.3	106.0	108.6	82.8	89.3	92.0	95.8	93.9	96.2
4	J H QPM - 82	108.3	105.7	107.0	81.5	89.3	90.5	97.0	93.8	95.4
5	J H QPM - 83	115.0	105.7	110.3	84.0	89.0	92.5	97.5	95.0	97.3
6	J H QPM - 84	107.0	102.7	104.8	80.3	88.0	91.3	93.8	92.5	93.8
7	X P 0101	113.5	110.0	111.8	81.0	89.0	91.5	102.8	97.1	98.0
8	X P 0102	120.8	112.3	116.5	82.8	90.5	92.5	100.5	96.5	99.9
9	X P 0103	117.5	110.3	113.9	88.3	92.0	93.3	102.5	97.9	100.6
10	X P 0104	122.0	106.0	114.0	84.8	91.3	93.5	100.5	97.0	99.7
	CHECKS:									
11	DECCAN - 107	122.5	110.3	116.4	83.5	89.0	93.3	102.0	97.6	100.1
12	SHAKTI - 1	110.8	110.0	110.4	81.3	87.8	92.0	95.5	93.8	96.2
	MEAN LOCATION	114.4	107.5	111.0	82.9	89.4	92.1	98.5	95.3	97.5
	C.D. AT 5%=	2.0	4.8	3.4	2.4	1.2	2.1	3.5	2.8	-
	C.V. % =	1.2	2.6	-	2.0	0.9	1.5	2.5	-	-
	F (Prob)	.000	.007	-	.000	.000	.100	.000	-	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	36.8	26.2	31.5	20.0	23.4	21.7	19.6	20.8	16.4	18.9	23.3
2	J H QPM - 26	37.5	29.4	33.5	29.3	22.5	25.9	19.8	18.0	16.4	18.1	24.7
3	J H QPM - 56	35.8	28.4	32.0	23.5	23.3	23.4	19.4	22.2	16.3	19.3	24.1
4	J H QPM - 82	35.4	31.3	33.3	28.5	22.8	25.6	20.8	25.0	15.4	20.4	25.6
5	J H QPM - 83	37.0	30.3	33.6	21.6	22.9	22.3	24.7	23.3	16.4	21.4	25.2
6	J H QPM - 84	34.4	30.7	32.6	21.5	24.8	23.1	21.1	22.6	16.2	20.0	24.5
7	X P 0101	42.3	36.8	39.6	31.3	24.3	27.8	27.4	24.8	16.3	22.8	29.0
8	X P 0102	41.5	34.0	37.7	25.2	23.0	24.1	22.9	26.1	15.7	21.6	26.9
9	X P 0103	41.7	34.6	38.2	28.2	39.8	34.0	27.1	23.4	15.9	22.1	30.1
10	X P 0104	38.2	33.0	35.6	22.5	24.2	23.3	25.5	25.3	15.9	22.2	26.4
	CHECKS:											
11	DECCAN - 107	41.9	32.3	37.1	23.2	23.4	23.3	26.5	25.4	16.4	22.8	27.0
12	SHAKTI - 1	32.4	28.7	30.6	28.7	24.7	26.7	21.0	24.0	15.6	20.2	25.0
	MEAN LOCATION	37.9	31.3	34.6	25.3	24.9	25.1	23.0	23.4	16.1	20.8	26.0
	C.D. AT 5%=	1.8	3.1	2.4	2.5	1.8	2.2	1.6	4.2	0.7	2.1	-
	C.V. % =	3.3	5.8	-	6.9	5.0	-	4.8	12.3	2.8	-	-
	F (Prob)	.000	.000	-	.000	.000	-	.000	.022	.051	-	-

TABLE NO. 41 (CONT.)

PLANT ASPECT *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR! DELH	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	2.8	2.7	2.7	3.0	2.5	2.9	2.5	2.8	2.7	2.7
2	J H QPM - 26	2.8	2.5	2.7	3.0	2.4	2.9	3.0	2.0	2.6	2.7
3	J H QPM - 56	2.8	2.5	2.7	3.0	3.3	2.6	2.8	2.0	2.5	2.7
4	J H QPM - 82	2.7	2.5	2.6	3.0	2.0	2.5	2.5	1.8	2.3	2.4
5	J H QPM - 83	2.7	2.5	2.6	3.1	2.0	2.3	2.3	2.0	2.2	2.4
6	J H QPM - 84	2.7	2.5	2.6	2.9	2.3	2.8	2.3	2.0	2.3	2.5
7	X P 0101	2.5	2.5	2.5	2.8	2.8	2.9	3.0	1.0	2.3	2.5
8	X P 0102	2.6	2.2	2.4	3.3	2.3	2.6	2.5	2.0	2.4	2.5
9	X P 0103	2.5	2.2	2.3	3.0	1.8	2.8	2.0	2.0	2.3	2.3
10	X P 0104	2.7	2.3	2.5	2.9	1.9	2.5	2.5	2.0	2.3	2.4
	CHECKS:										
11	DECCAN - 107	2.7	2.7	2.7	3.3	2.4	2.5	2.3	2.0	2.3	2.5
12	SHAKTI - 1	3.0	3.0	3.0	3.1	3.4	2.9	3.0	1.3	2.4	2.8
	MEAN LOCATION	2.7	2.5	2.6	3.0	2.4	2.7	2.5	1.9	2.4	2.5
	C.D. AT 5%=	0.2	0.3	0.2	0.4	0.7	0.4	0.3	0.4	0.3	-
	C.V. % =	4.5	6.3	-	9.1	20.6	10.5	6.8	13.1	-	-
	F (Prob)	.000	.000	-	.335	.001	.051	.000	.000	-	-

EAR ASPECT *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR! DELH	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	2.7	2.5	2.6	3.1	2.4	2.9	2.5	1.8	2.4	2.5
2	J H QPM - 26	2.7	2.5	2.6	3.0	2.5	3.0	2.3	1.0	2.1	2.4
3	J H QPM - 56	2.7	2.5	2.6	2.9	2.8	2.8	2.5	1.0	2.1	2.4
4	J H QPM - 82	2.4	2.5	2.5	2.9	3.0	2.5	2.3	2.8	2.5	2.6
5	J H QPM - 83	2.6	2.5	2.5	3.1	2.4	2.5	2.0	3.0	2.5	2.6
6	J H QPM - 84	2.5	2.5	2.5	2.8	2.9	2.5	2.3	1.8	2.2	2.4
7	X P 0101	2.5	2.5	2.5	2.8	3.3	2.9	2.8	2.0	2.5	2.7
8	X P 0102	2.5	2.5	2.5	3.1	2.5	2.6	2.0	3.0	2.5	2.6
9	X P 0103	2.5	2.5	2.5	2.9	2.6	2.8	1.8	2.0	2.2	2.4
10	X P 0104	2.5	2.5	2.5	2.8	2.1	2.4	2.0	3.0	2.5	2.5
	CHECKS:										
11	DECCAN - 107	2.5	2.7	2.6	2.9	3.6	2.6	2.5	1.5	2.2	2.6
12	SHAKTI - 1	3.0	2.8	2.9	3.3	3.6	3.0	3.0	1.0	2.3	2.8
	MEAN LOCATION	2.6	2.5	2.6	2.9	2.8	2.7	2.3	2.0	2.3	2.6
	C.D. AT 5%=	0.3	0.2	0.3	0.4	0.6	0.5	0.4	0.6	0.5	-
	C.V. % =	8.3	4.5	-	10.0	15.5	11.8	10.9	19.7	-	-
	F (Prob)	.045	.037	-	.237	.000	.108	.000	.000	-	-

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ALMO	BAJA	ZN 1 MEAN	DMR! DELH	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	2.5	2.0	2.3	2.9	2.6	2.8	2.0	1.5	2.1	2.3
2	J H QPM - 26	2.8	2.2	2.5	3.1	2.9	2.6	2.8	2.0	2.5	2.6
3	J H QPM - 56	2.8	2.2	2.5	2.9	2.5	2.8	2.8	2.0	2.5	2.5
4	J H QPM - 82	2.7	2.0	2.4	3.1	2.6	2.3	2.3	2.0	2.2	2.4
5	J H QPM - 83	2.5	2.0	2.3	3.4	2.9	2.4	2.3	2.0	2.2	2.5
6	J H QPM - 84	2.5	2.2	2.3	2.8	2.6	2.3	2.3	2.0	2.2	2.4
7	X P 0101	2.5	2.0	2.3	3.0	2.4	2.8	2.3	1.8	2.3	2.4
8	X P 0102	2.8	2.0	2.4	3.1	2.6	2.4	2.8	2.0	2.4	2.5
9	X P 0103	2.5	2.0	2.3	3.1	2.5	2.4	2.3	3.0	2.5	2.5
10	X P 0104	2.7	2.2	2.4	3.1	2.4	2.5	2.5	2.0	2.3	2.5
	CHECKS:										
11	DECCAN - 107	2.8	2.3	2.6	3.3	3.1	2.5	2.5	2.0	2.3	2.7
12	SHAKTI - 1	2.8	2.5	2.7	3.3	2.5	2.8	3.0	2.0	2.6	2.7
	MEAN LOCATION	2.7	2.1	2.4	3.1	2.6	2.5	2.5	2.0	2.3	2.5
	C.D. AT 5%=	0.1	0.4	0.3	0.4	0.7	0.5	0.2	0.3	0.3	-
	C.V. % =	2.7	11.4	-	8.4	18.2	13.6	6.5	10.6	-	-
	F (Prob)	.000	.277	-	.072	.583	.251	.000	.000	-	-

Sl No	PEDIGREE	UNIFORMITY * ALMO	BAJA	ZN 1 MEAN	ZN 3 DHOL	HYDE	ARBH	COIM	ZN 4 MEAN	OV'L MEAN
1	J H QPM - 24	2.8	2.3	2.6	3.0	2.9	2.0	1.8	2.2	2.5
2	J H QPM - 26	2.8	2.3	2.6	2.8	3.0	2.3	1.5	2.3	2.4
3	J H QPM - 56	2.8	2.3	2.6	3.4	2.8	2.0	3.0	2.6	2.7
4	J H QPM - 82	2.8	2.2	2.5	3.1	2.6	2.3	2.0	2.3	2.5
5	J H QPM - 83	2.8	2.3	2.6	2.8	2.5	2.0	2.0	2.2	2.4
6	J H QPM - 84	2.8	2.0	2.4	2.9	2.5	2.0	2.5	2.3	2.4
7	X P 0101	2.7	2.2	2.4	3.0	2.9	2.5	1.8	2.4	2.5
8	X P 0102	2.8	2.0	2.4	2.8	2.6	2.3	2.0	2.3	2.4
9	X P 0103	2.7	2.0	2.3	2.1	2.5	2.0	2.0	2.2	2.2
10	X P 0104	2.7	2.0	2.4	2.4	2.5	2.0	1.3	1.9	2.1
	CHECKS:									
11	DECCAN - 107	2.8	2.5	2.7	3.1	2.8	2.3	2.0	2.3	2.6
12	SHAKTI - 1	2.8	2.7	2.8	3.5	2.8	2.5	2.3	2.5	2.8
	MEAN LOCATION	2.8	2.2	2.5	2.9	2.7	2.2	2.0	2.3	2.5
	C.D. AT 5%=	0.1	0.4	0.3	0.8	0.4	0.2	0.6	0.4	-
	C.V. % =	3.4	9.9	-	18.5	10.7	7.3	22.2	-	-
	F (Prob)	.055	.015	-	.049	.201	.000	.001	-	-

TABLE NO. 41 (CONT.)

PLANT HEIGHT (cm)

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR DELH	LUDH	KARN	ZN 2 MEAN	ZN 3 DHOL	ZN 4 COIM	OV'L MEAN
1	J H QPM - 24	250	167	208	172	225	193	197	154	187	192
2	J H QPM - 26	273	177	225	171	230	180	194	159	180	196
3	J H QPM - 56	266	159	212	164	218	187	189	144	192	190
4	J H QPM - 82	275	206	240	182	235	223	213	151	184	208
5	J H QPM - 83	270	180	225	172	230	215	206	158	194	203
6	J H QPM - 84	260	190	225	167	226	213	202	153	195	201
7	X P 0101	268	195	232	161	233	223	206	148	188	202
8	X P 0102	278	192	235	166	218	207	197	165	179	201
9	X P 0103	283	197	240	171	235	203	203	153	185	204
10	X P 0104	287	190	239	172	214	218	201	163	185	204
	CHECKS:										
11	DECCAN - 107	271	193	232	163	229	217	203	157	194	203
12	SHAKTI - 1	226	152	189	162	201	193	185	141	177	179
	MEAN LOCATION	267	183	225	168	224	206	200	154	187	198
	C.D. AT 5%=	9.2	25.4	17.3	12.0	12.3	10.9	11.7	16.3	11.0	-
	C.V. % =	2.4	8.2	-	4.9	3.8	3.1	-	7.4	4.1	-
	F (Prob)	.000	.005	-	.060	.000	.000	-	.154	.021	-

EAR HEIGHT (cm)

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DMR DELH	KARN	ZN 2 MEAN	ZN 3 DHOL	ZN 4 COIM	OV'L MEAN
1	J H QPM - 24	121	72	96	78	97	87	70	96	89
2	J H QPM - 26	143	72	107	73	100	87	69	102	93
3	J H QPM - 56	131	67	99	67	90	79	61	101	86
4	J H QPM - 82	132	90	111	78	98	88	69	101	95
5	J H QPM - 83	146	88	117	81	115	98	73	102	101
6	J H QPM - 84	120	73	96	72	97	84	70	97	88
7	X P 0101	132	77	104	66	98	82	63	102	90
8	X P 0102	157	87	122	74	107	90	81	107	102
9	X P 0103	157	88	123	76	105	90	74	103	100
10	X P 0104	163	92	127	81	105	93	83	107	105
	CHECKS:									
11	DECCAN - 107	129	85	107	68	105	87	71	95	92
12	SHAKTI - 1	112	62	87	67	87	77	60	90	79
	MEAN LOCATION	137	79	108	73	100	87	70	100	93
	C.D. AT 5%=	8.8	17.6	13.2	7.5	8.3	7.9	14.6	8.8	-
	C.V. % =	4.5	13.1	-	7.1	4.9	-	14.4	6.1	-
	F (Prob)	.000	.016	-	.001	.000	-	.074	.016	-

TABLE NO. 41 (CONT.)

Sl No	PEDIGREE	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN	PHYSODE -DERMA* ALMO	Stalk rot * LUDH	EAR NO./PLANT ALMO	DMR DELH	LUDH	HYDE	COIM	OV'L MEAN
1	J H QPM - 24	2.2	2.5	2.4	1.5	1.3	1.4	1.0	1.0	1.01	0.56	0.99	1.18	1.00	0.95
2	J H QPM - 26	2.0	2.0	2.0	1.2	1.0	1.1	1.5	1.0	1.04	0.80	1.02	1.54	1.00	1.08
3	J H QPM - 56	2.4	2.2	2.3	1.1	1.0	1.1	1.2	1.3	1.02	0.77	1.06	1.32	1.00	1.03
4	J H QPM - 82	2.5	1.8	2.2	1.2	1.0	1.1	1.1	1.5	0.98	0.87	1.04	1.21	0.99	1.02
5	J H QPM - 83	3.0	2.5	2.7	1.1	1.2	1.1	1.1	1.0	1.14	0.92	1.03	1.30	1.00	1.08
6	J H QPM - 84	2.3	2.0	2.2	1.1	1.0	1.0	1.1	1.0	1.02	0.91	1.02	1.16	1.00	1.02
7	X P 0101	1.5	1.8	1.7	1.4	1.0	1.2	1.3	1.0	0.99	0.71	1.06	1.34	1.00	1.02
8	X P 0102	1.6	1.5	1.6	1.1	1.0	1.1	1.3	1.0	1.01	0.89	1.01	1.22	1.00	1.03
9	X P 0103	1.7	1.7	1.7	1.1	1.0	1.1	1.3	1.0	1.01	0.89	1.03	1.12	1.00	1.01
10	X P 0104	1.4	1.7	1.5	1.3	1.0	1.2	1.3	1.0	1.02	0.90	1.07	1.28	1.00	1.05
	CHECKS:														
11	DECCAN - 107	2.0	2.2	2.1	2.0	1.5	1.7	1.1	1.3	1.05	0.87	1.02	1.13	1.00	1.01
12	SHAKTI - 1	2.4	2.5	2.5	1.6	1.3	1.5	1.3	1.0	1.04	0.94	1.05	1.26	1.00	1.06
	MEAN LOCATION	2.1	2.0	2.1	1.3	1.1	1.2	1.2	1.1	-	-	-	-	-	-
	C.D. AT 5%=	0.4	0.4	0.4	0.3	0.2	0.3	0.4	0.4	-	-	-	-	-	-
	C.V. % =	14.2	12.8	-	15.4	12.8	-	22.3	24.5	-	-	-	-	-	-
	F (Prob)	.000	.000	-	.000	.001	-	.371	.178	-	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST ALMO	BAJA	DMR DELH	LUDH	KARN	DHOL	HYDE	ARBH	COIM	OV'L MEAN
1	J H QPM - 24	23	35	23	36	22	37	12	40	37	29
2	J H QPM - 26	23	32	19	34	23	31	11	39	36	27
3	J H QPM - 56	23	33	22	35	23	38	9	38	37	29
4	J H QPM - 82	22	36	21	37	21	37	16	43	37	30
5	J H QPM - 83	24	36	16	39	22	40	17	44	37	30
6	J H QPM - 84	24	34	19	37	23	38	16	45	38	30
7	X P 0101	21	29	14	35	21	33	11	45	37	27
8	X P 0102	23	36	12	39	21	32	16	44	38	29
9	X P 0103	21	30	20	37	23	32	12	41	37	28
10	X P 0104	24	33	32	37	22	35	12	43	37	31
	CHECKS:										
11	DECCAN - 107	21	34	26	36	21	34	11	41	37	29
12	SHAKTI - 1	22	30	17	35	22	33	12	40	37	27
	MEAN LOCATION	22	33	20	36	22	35	13	42	37	29
	C.D. AT 5%=	2.0	4.7	11.2	4.5	1.9	5.6	5.3	5.6	1.3	-
	C.V. % =	6.1	8.3	39.2	8.6	5.1	11.2	28.9	9.4	2.4	-
	F (Prob)	.031	.053	.073	.474	.209	.043	.071	.175	.717	

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 42

PERFORMANCE OF FULL SEASON, HARD ENDOSPERM, SINGLE CROSSES HYBRIDS AT ALMORA, BAJAURA, LUDHIANA, PANTNAGAR, HYDERABAD, ARBHAVI, COIMBATORE, UDAIPUR, IN TRIAL No. QPM3 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		ALMO	R	BAJA	R	ZN 1 MEAN	R	LUDH	R	PANT	R	ZN 2 MEAN	R
1	CML-142 x CML-150	7256	1	6941	2	7098	1	5056	2	2770	5	3913	3
2	CML-175 x CML-176	6239	2	6960	1	6599	2	6167	1	2960	4	4564	1
	CHECKS:												
3	GANGA - 11	5657	3	6085	3	5871	3	4755	3	3186	3	3970	2
4	SHAKTI - 1	4428	5	4381	5	4404	5	4320	4	3499	1	3910	4
5	SHAKTIMAN - 1	4908	4	4705	4	4806	4	2636	5	3495	2	3065	5
	MEAN YIELD=	5697		5814		5756		4587		3182		3884	
	MEAN STAND	34		56		45		67		49		58	
	C.D. AT 5%=	1202		876		1039		944		576		760	
	C.V. % =	13.91		9.93		-		13.57		11.93		-	
	F (Prob)	.007		.000		-		.000		.016		-	
	PLOT SIZE=	5.40		9.60		-		10.40		7.50		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	9-07		10-07		-		5-07		8-07		-	
	HARVEST DATE(2002)	16-11		13-11		-		10-10		17-10		-	
	IRRIGATION Nos	-		2		-		8		2		-	
	FERTILIZER APPLIED N	100		120		-		125		120		-	
	P	60		60		-		60		60		-	
	K	40		40		-		30		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 39.7% : KARN 22.4% : DHOL 20.7% : BANS 21.0%

TABLE NO. 42 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						ZN 4		ZN 5		OV'L	
		HYDE	R	ARBH	R	COIM	R	MEAN	R	UDAI	R	MEAN	R
1	CML-142 x CML-150	1038	5	4353	3	5169	1	3520	2	3645	4	4528	2
2	CML-175 x CML-176	1466	2	5065	1	4932	2	3821	1	4354	1	4768	1
	CHECKS:												
3	GANGA - 11	1704	1	4504	2	3738	3	3316	3	4155	2	4223	3
4	SHAKTI - 1	1151	4	4344	4	3270	4	2922	4	3938	3	3666	4
5	SHAKTIMAN - 1	1259	3	3682	5	2233	5	2392	5	3111	5	3254	5
	MEAN YIELD=	1324		4389		3869		3194		3841		4088	
	MEAN STAND	20		71		76		55		50		53	
	C.D. AT 5%=	295		957		796		683		280		741	
	C.V. % =	14.72		14.37		13.57		-		4.81		-	
	F (Prob)	.005		.030		.000		-		.000		-	
	PLOT SIZE=	15.00		15.00		15.00		-		12.00		-	
	AGRONOMY DATA:												
	SOWING DATE(2002)	6-07		25-07		19-07		-		13-07		-	
	HARVEST DATE(2002)	23-10		22-11		31-10		-		21-10		-	
	IRRIGATION Nos	7		6		8		-		2		-	
	FERTILIZER APPLIED N	120		150		135		-		90		-	
	P	60		75		63		-		60		-	
	K	30		38		50		-		-		-	

TABLE NO. 42 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	28.27	14.06	20.90	6.33	-	-	-	-	38.26	6.17	-	7.23
2	CML-175 x CML-176	10.29	14.38	12.41	29.70	-	14.94	-	12.45	31.94	15.25	4.78	12.90
	CHECKS:												
3	GANGA - 11	-	-	-	-	-	-	-	-	-	-	-	-
4	SHAKTI - 1	-	-	-	-	9.84	-	-	-	-	-	-	-
5	SHAKTIMAN - 1	-	-	-	-	9.70	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1

Sl No	PEDIGREE	ZN 1 ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	PANT	ZN 2 MEAN	HYDE	ZN 4 ARBH	ZN 5 COIM	OV'L MEAN	UDAI	MEAN
1	CML-142 x CML-150	63.87	58.42	61.16	17.03	-	0.08	-	0.22	58.05	20.47	-	23.51
2	CML-175 x CML-176	40.90	58.87	49.84	42.76	-	16.73	27.38	16.59	50.82	30.78	10.56	30.04
	CHECKS:												
3	GANGA - 11	27.76	38.90	33.30	10.07	-	1.55	48.05	3.68	14.31	13.48	5.51	15.18
4	SHAKTI - 1	-	-	-	-	-	-	-	-	-	-	-	-
5	SHAKTIMAN- 1	10.84	7.40	9.13	-	-	-	9.40	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE SHAKTIMAN - 1

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	47.85	47.50	47.68	91.83	-	27.65	-	18.24	131.42	47.19	17.17	39.18
2	CML-175 x CML-176	27.12	47.92	37.30	134.00	-	48.88	16.43	37.56	120.84	59.78	39.94	46.54
	CHECKS:												
3	GANGA - 11	15.26	29.33	22.15	80.42	-	29.53	35.32	22.33	67.38	38.64	33.55	29.79
4	SHAKTI - 1	-	-	-	63.92	0.12	27.55	-	17.99	46.42	22.17	26.58	12.69
5	SHAKTIMAN - 1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 42 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	68.5	66.5	67.5	53.5	60.0	63.5	61.5	61.7	54.3	61.1
2	CML-175 x CML-176	69.0	62.3	65.6	51.3	60.3	63.0	59.5	60.9	52.3	59.6
	CHECKS:										
3	GANGA - 11	67.3	64.0	65.6	52.0	60.0	62.5	57.8	60.1	52.3	59.4
4	SHAKTI - 1	58.0	55.8	56.9	47.0	57.0	55.5	52.3	54.9	46.5	53.1
5	SHAKTIMAN - 1	67.0	64.0	65.5	53.0	60.3	60.5	59.0	59.9	53.0	59.5
	MEAN LOCATION	65.9	62.5	64.2	51.3	59.5	61.0	58.0	59.5	51.7	58.6
	C.D. AT 5%=	1.2	2.0	1.6	1.6	2.1	0.8	2.0	1.6	1.6	-
	C.V. % =	1.2	2.1	-	2.0	2.3	0.9	2.2	-	2.0	-
	F (Prob)	.000	.000	-	.000	.024	.000	.000	-	.000	-

Sl No	PEDIGREE	DAYS TO 50 % SILKING ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	69.5	68.3	68.9	56.5	64.5	60.5	62.0	63.0	63.3	62.8	55.8	62.8
2	CML-175 x CML-176	70.0	64.8	67.4	53.0	65.3	59.1	62.5	63.5	63.0	63.0	54.0	62.0
	CHECKS:												
3	GANGA - 11	68.5	66.5	67.5	54.0	63.8	58.9	62.0	65.0	62.3	63.1	54.5	62.1
4	SHAKTI - 1	59.0	58.5	58.8	49.0	54.0	51.5	59.0	56.0	55.0	56.7	47.8	54.8
5	SHAKTIMAN - 1	68.3	66.5	67.4	58.5	62.8	60.6	62.5	63.0	63.5	63.0	55.5	62.6
	MEAN LOCATION	67.1	64.9	66.0	54.2	62.0	58.1	61.6	62.1	61.4	61.7	53.5	60.9
	C.D. AT 5%=	1.3	1.6	1.4	3.3	2.3	2.8	2.3	0.9	2.3	1.8	1.4	-
	C.V. % =	1.3	1.6	-	3.9	2.4	-	2.4	1.0	2.4	-	1.6	-
	F (Prob)	.000	.000	-	.000	.000	-	.027	.000	.000	-	.000	-

TABLE NO. 42 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	HYDE	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	121.5	120.0	120.8	80.5	93.0	104.5	98.8	87.5	101.2
2	CML-175 x CML-176	119.8	116.8	118.3	81.8	93.5	104.3	98.9	86.8	100.5
	CHECKS:									
3	GANGA - 11	124.8	118.8	121.8	81.5	94.5	103.3	98.9	87.5	101.7
4	SHAKTI - 1	116.0	110.3	113.1	80.0	91.0	97.3	94.1	81.3	96.0
5	SHAKTIMAN - 1	124.5	120.8	122.6	84.3	93.5	104.5	99.0	87.0	102.4
	MEAN LOCATION	121.3	117.3	119.3	81.6	93.1	102.8	97.9	86.0	100.3
	C.D. AT 5%=	2.6	2.3	2.4	2.6	2.9	3.1	3.0	1.3	-
	C.V. % =	1.4	1.2	-	2.0	2.0	1.9	-	1.0	-
	F (Prob)	.000	.000	-	.030	.179	.001	-	.000	-

Sl No	PEDIGREE	MOISTURE % AT HARVEST ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	42.4	39.6	41.0	29.8	34.7	32.3	25.9	24.5	16.0	22.1	16.1	28.6
2	CML-175 x CML-176	43.2	36.4	39.8	23.8	32.3	28.0	26.9	23.0	16.0	22.0	18.0	27.4
	CHECKS:												
3	GANGA - 11	41.0	37.4	39.2	24.0	33.2	28.6	27.2	19.0	15.8	20.6	18.5	27.0
4	SHAKTI - 1	35.6	31.3	33.4	22.8	31.9	27.3	23.5	18.4	16.3	19.4	15.8	24.4
5	SHAKTIMAN - 1	42.9	38.2	40.5	37.5	33.9	35.7	27.4	19.6	15.2	20.7	18.9	29.2
	MEAN LOCATION	41.0	36.6	38.8	27.6	33.2	30.4	26.2	20.9	15.9	21.0	17.5	27.3
	C.D. AT 5%=	2.3	1.9	2.1	4.0	3.6	3.8	2.1	2.5	0.4	1.7	0.6	-
	C.V. % =	3.6	3.3	-	9.5	7.1	-	5.3	7.8	1.7	-	2.4	-
	F (Prob)	.000	.000	-	.000	.460	-	.011	.001	.001	-	.000	-

TABLE NO. 42 (CONT.)

PLANT ASPECT *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	2.6	2.1	2.3	2.1	2.0	1.8	2.0	2.3	2.1
2	CML-175 x CML-176	2.7	2.3	2.5	2.3	2.8	1.8	2.3	1.9	2.3
	CHECKS:									
3	GANGA - 11	2.8	2.1	2.5	2.4	2.0	2.0	2.1	2.0	2.2
4	SHAKTI - 1	3.1	2.9	3.0	2.9	3.0	2.3	2.7	2.7	2.8
5	SHAKTIMAN - 1	3.0	2.6	2.8	2.9	3.0	2.0	2.6	2.7	2.7
	MEAN LOCATION	2.8	2.4	2.6	2.5	2.5	2.0	2.3	2.3	2.4
	C.D. AT 5%=	0.2	0.4	0.3	0.5	0.1	1.1	0.6	0.3	-
	C.V. % =	5.1	11.4	-	12.6	3.6	35.3	-	7.4	-
	F (Prob)	.002	.007	-	.013	.000	.827	-	.000	-

EAR ASPECT *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	2.4	2.3	2.3	2.1	2.8	2.3	2.4	1.8	2.3
2	CML-175 x CML-176	2.4	2.5	2.4	2.9	3.0	1.8	2.5	1.9	2.4
	CHECKS:									
3	GANGA - 11	2.5	2.5	2.5	2.5	2.8	1.5	2.3	2.0	2.3
4	SHAKTI - 1	2.8	2.5	2.7	3.0	2.8	2.0	2.6	2.4	2.6
5	SHAKTIMAN - 1	2.7	2.5	2.6	3.0	3.0	3.0	3.0	2.2	2.7
	MEAN LOCATION	2.5	2.5	2.5	2.7	2.8	2.1	2.5	2.0	2.4
	C.D. AT 5%=	0.3	0.2	0.2	0.3	0.3	0.5	0.4	0.4	-
	C.V. % =	6.6	5.3	-	7.4	6.0	16.8	-	12.3	-
	F (Prob)	.008	.063	-	.000	.092	.001	-	.038	-

TABLE NO. 42 (CONT.)

HUSK COVER *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	1.8	2.1	2.0	2.1	2.0	2.0	2.0	2.2	2.0
2	CML-175 x CML-176	1.8	2.0	1.9	2.5	2.0	1.8	2.1	1.9	2.0
	CHECKS:									
3	GANGA - 11	2.1	2.3	2.2	2.4	2.3	1.8	2.1	2.0	2.1
4	SHAKTI - 1	1.9	2.8	2.3	2.6	2.5	2.8	2.6	2.5	2.5
5	SHAKTIMAN - 1	2.0	2.3	2.1	2.6	2.3	1.8	2.2	2.5	2.2
	MEAN LOCATION	1.9	2.3	2.1	2.5	2.2	2.0	2.2	2.2	2.2
	C.D. AT 5%=	0.2	0.3	0.3	0.4	0.4	0.9	0.6	0.2	-
	C.V. % =	7.2	9.0	-	11.8	10.6	28.1	-	7.0	-
	F (Prob)	.063	.002	-	.144	.051	.111	-	.000	-

UNIFORMITY *

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	2.7	2.0	2.3	2.1	2.0	2.3	2.1	2.1	2.2
2	CML-175 x CML-176	2.8	2.0	2.4	2.6	2.0	3.0	2.5	1.9	2.4
	CHECKS:									
3	GANGA - 11	2.8	2.5	2.7	2.5	2.5	2.0	2.3	2.0	2.4
4	SHAKTI - 1	2.8	2.5	2.7	2.8	3.0	2.0	2.6	2.6	2.6
5	SHAKTIMAN - 1	2.8	2.3	2.5	2.9	2.5	2.3	2.5	2.7	2.6
	MEAN LOCATION	2.8	2.3	2.5	2.6	2.4	2.3	2.4	2.3	2.4
	C.D. AT 5%=	0.1	0.2	0.2	0.6	0.3	0.4	0.4	0.3	-
	C.V. % =	2.8	5.7	-	14.1	9.3	11.9	-	7.9	-
	F (Prob)	.063	.000	-	.096	.000	.001	-	.000	-

TABLE NO. 42 (CONT.)

PLANT HEIGHT (cm)

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	ZN 4 COIM	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	243	193	218	204	171	187	170	228	201
2	CML-175 x CML-176	235	205	220	208	155	181	193	264	210
	CHECKS:									
3	GANGA - 11	226	183	204	206	184	195	182	251	205
4	SHAKTI - 1	194	151	173	190	186	188	163	219	184
5	SHAKTIMAN - 1	195	174	184	170	149	159	162	223	179
	MEAN LOCATION	219	181	200	196	169	182	174	237	196
	C.D. AT 5%=	11.0	12.6	11.8	13.5	18.0	15.8	18.9	28.0	-
	C.V. % =	3.3	4.5	-	4.5	6.9	-	7.1	7.7	-
	F (Prob)	.000	.000	-	.000	.002	-	.016	.016	-

EAR HEIGHT (cm)

Sl No	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	LUDH	PANT	ZN 2 MEAN	ZN 4 COIM	ZN 5 UDAI	OV'L MEAN
1	CML-142 x CML-150	118	73	95	90	67	79	85	83	86
2	CML-175 x CML-176	117	80	99	89	54	71	99	98	89
	CHECKS:									
3	GANGA - 11	121	81	101	105	79	92	84	116	98
4	SHAKTI - 1	85	60	73	75	70	73	78	95	77
5	SHAKTIMAN - 1	87	67	77	63	53	58	71	78	70
	MEAN LOCATION	106	72	89	84	64	74	83	94	84
	C.D. AT 5%=	8.1	15.1	11.6	13.0	13.5	13.2	17.7	10.6	-
	C.V. % =	5.0	13.6	-	10.0	13.6	-	13.8	7.4	-
	F (Prob)	.000	.044	-	.000	.005	-	.047	.000	-

TABLE NO. 42 (CONT.)

Sl No	PEDIGREE	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN	PFSR * LUDH	EAR NO./PLANT ALMO	HYDE	UDAI	OV'L MEAN
1	CML-142 x CML-150	2.3	1.6	1.9	1.3	1.1	1.2	1.0	0.99	1.02	1.00	1.00
2	CML-175 x CML-176	2.7	1.6	2.2	1.1	1.0	1.1	1.0	0.99	1.00	1.02	1.00
	CHECKS:											
3	GANGA - 11	2.8	1.8	2.3	1.4	1.1	1.3	1.3	0.99	1.11	1.04	1.05
4	SHAKTI - 1	3.0	3.1	3.1	1.7	1.5	1.6	1.8	0.96	1.01	0.96	0.98
5	SHAKTIMAN - 1	2.5	2.3	2.4	1.7	1.3	1.5	1.0	1.00	1.04	0.92	0.99
	MEAN LOCATION	2.7	2.1	2.4	1.4	1.2	1.3	1.2	-	-	-	-
	C.D. AT 5%=	0.4	0.4	0.4	0.4	0.3	0.3	0.7	-	-	-	-
	C.V. % =	10.4	13.4	-	16.9	17.4	-	36.5	-	-	-	-
	F (Prob)	.021	.000	-	.020	.049	-	.128	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST ALMO	BAJA	LUDH	PANT	HYDE	ARBH	COIM	UDAI	OV'L MEAN
1	CML-142 x CML-150	34	58	72	58	31	79	76	56	58
2	CML-175 x CML-176	34	55	58	39	20	64	76	45	49
	CHECKS:									
3	GANGA - 11	34	66	74	53	20	76	75	62	58
4	SHAKTI - 1	34	52	70	58	17	75	75	47	54
5	SHAKTIMAN - 1	35	51	61	38	13	60	76	38	47
	MEAN LOCATION	34	56	67	49	20	71	76	50	53
	C.D. AT 5%=	2.9	4.9	7.6	12.6	5.9	11.6	0.8	10.0	-
	C.V. % =	5.4	5.6	7.3	16.6	19.1	10.6	0.7	13.1	-
	F (Prob)	.693	.000	.002	.006	.000	.017	.227	.001	

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 43

PERFORMANCE OF EARLY MATURING, HARD ENDOSPERM, COMPOSITES AT ALMORA, BAJAURA, LUDHIANA, KARNAL, PANTNAGAR, HYDERABAD, ARBHAVI, COIMBATORE, UDAIPUR, BANSWARA IN TRIAL No. QPM4 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				ZN 1							ZN 2	
		ALMO	R	BAJA	R	MEAN	R	LUDH	R	KARN	R	PANT	R	MEAN	R
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	3212	5	4796	5	4004	5	4264	5	4532	4	3867	3	4221	5
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	3424	4	5490	2	4457	3	5421	2	4474	5	3229	5	4374	3
3	SHAKTI - 1	3780	3	4946	4	4363	4	4283	4	4979	2	3771	4	4344	4
4	NAVJOT	3849	2	5396	3	4623	2	5592	1	4590	3	3968	2	4717	2
5	DECCAN -107	5309	1	5858	1	5583	1	4514	3	6639	1	4724	1	5292	1
	MEAN YIELD=	3915		5297		4606		4815		5042		3912		4590	
	MEAN STAND	33		58		45		72		21		51		48	
	C.D. AT 5%=	819		477		648		675		1188		734		866	
	C.V. % =	13.79		5.94		-		9.24		12.75		12.37		-	
	F (Prob)	.007		.001		-		.000		.025		.026		-	
	PLOT SIZE=	5.40		9.60		-		10.40		3.60		7.50		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	9-07		10-07		-		5-07		7-07		8-07		-	
	HARVEST DATE(2002)	16-11		13-11		-		10-10		4-10		17-10		-	
	IRRIGATION Nos	-		-		-		8		3		2		-	
	FERTILIZER APPLIED N	100		-		-		125		150		120		-	
	P	60		-		-		60		60		60		-	
	K	40		-		-		30		60		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 38.7% : DHOL 32.6%

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE HYDE	R	ARBH	R	COIM	R	ZN 4 MEAN	R	UDAI	R	BANS	R	ZN 5 MEAN	R	OV'L MEAN	R
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	1278	5	4617	3	4121	4	3339	4	5442	1	1030	5	3236	1	3716	4
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	1566	2	4940	2	4160	3	3555	2	4798	3	1507	1	3153	3	3901	3
3	SHAKTI - 1	1347	4	4208	5	3715	5	3090	5	4182	5	1338	4	2760	5	3655	5
4	NAVJOT	1357	3	4310	4	4471	2	3379	3	4406	4	1454	2	2930	4	3939	2
5	DECCAN -107	1576	1	5636	1	5104	1	4105	1	4944	2	1445	3	3195	2	4575	1
	MEAN YIELD=	1425		4742		4314		3494		4754		1355		3055		3957	
	MEAN STAND	22		77		75		58		59		43		51		51	
	C.D. AT 5%=	365		544		669		526		571		251		411		629	
	C.V. % =	16.91		7.56		10.22		-		7.92		12.20		-		-	
	F (Prob)	.049		.000		.004		-		.000		.019		-		-	
	PLOT SIZE=	15.00		15.00		15.00		-		12.00		12.00		-		-	
	AGRONOMY DATA:																
	SOWING DATE(2002)	6-07		25-07		19-07		-		13-07		20-07		-		-	
	HARVEST DATE(2002)	23-10		22-11		30-10		-		21-10		25-10		-		-	
	IRRIGATION Nos	7		6		8		-		2		-		-		-	
	FERTILIZER APPLIED N	120		150		135		-		90		80		-		-	
	P	60		75		63		-		60		60		-		-	
	K	30		38		50		-		-		-		-		-	

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1						
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	-	-	-	-	2.56	-
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	-	11.00	2.16	26.57	-	-	0.70
3	SHAKTI - 1	-	-	-	-	-	-	-
4	NAVJOT	1.83	9.10	5.95	30.57	-	5.25	8.58
5	DECCAN -107	40.45	18.43	27.97	5.39	33.34	25.28	21.82

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1							
		HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	9.74	10.93	8.07	30.12	-	17.24	1.67
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	16.26	17.41	12.00	15.07	14.74	12.60	14.22	6.74
3	SHAKTI - 1	-	-	-	-	-	-	-	-
4	NAVJOT	0.76	2.42	20.35	9.37	5.36	8.63	6.16	7.79
5	DECCAN -107	17.01	33.94	37.41	32.87	18.23	8.02	15.75	25.18

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT						
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	-	-	-	-	-	-
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	-	1.74	-	-	-	-	-
3	SHAKTI - 1	-	-	-	-	8.48	-	-
4	NAVJOT	-	-	-	-	-	-	-
5	DECCAN -107	37.92	8.55	20.78	-	44.64	19.04	12.19

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT							
		HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	7.14	-	-	23.50	-	10.44	-
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	15.38	14.63	-	5.22	8.90	3.66	7.60	-
3	SHAKTI - 1	-	-	-	-	-	-	-	-
4	NAVJOT	-	-	-	-	-	-	-	-
5	DECCAN -107	16.13	30.77	14.17	21.49	12.21	-	9.04	16.13

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN -107							
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	-	-	-	-	-	-	
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	-	-	-	20.10	-	-	-	
3	SHAKTI - 1	-	-	-	-	-	-	-	
4	NAVJOT	-	-	-	23.90	-	-	-	
5	DECCAN -107	-	-	-	-	-	-	-	

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN -107							
		HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	-	-	-	-	10.06	-	1.29	-
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	-	-	-	-	-	4.24	-	-
3	SHAKTI - 1	-	-	-	-	-	-	-	-
4	NAVJOT	-	-	-	-	-	0.57	-	-
5	DECCAN -107	-	-	-	-	-	-	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED									
		ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	62.8	56.5	59.6	47.8	47.0	47.4	55.8	52.0	53.8	53.8
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	62.0	57.3	59.6	48.5	47.0	47.8	56.3	52.5	49.5	52.8
3	SHAKTI - 1	61.0	56.3	58.6	46.5	45.3	45.9	56.3	54.5	52.3	54.3
4	NAVJOT	63.5	58.8	61.1	47.3	47.0	47.1	57.0	56.5	52.8	55.4
5	DECCAN -107	69.3	62.5	65.9	52.8	48.3	50.5	59.3	59.5	55.0	57.9
	MEAN LOCATION	63.7	58.3	61.0	48.5	46.9	47.7	56.9	55.0	52.7	54.9
	C.D. AT 5%=	1.0	2.1	1.5	1.8	1.5	1.6	1.8	0.3	1.3	1.1
	C.V. % =	1.0	2.3	-	2.4	1.7	-	2.0	0.3	1.6	-
	F (Prob)	.000	.000	-	.000	.018	-	.008	.000	.000	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED UDAI	BANS	ZN 5 MEAN	OV'L MEAN	DAYS TO 50 % SILKING ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	47.8	44.5	46.1	52.0	63.8	59.0	61.4	50.3	50.0	53.8	51.3
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	47.0	45.5	46.3	51.7	63.3	60.0	61.6	51.0	49.3	56.3	52.2
3	SHAKTI - 1	47.5	45.3	46.4	51.6	63.0	58.5	60.8	48.8	48.0	55.0	50.6
4	NAVJOT	48.0	42.3	45.1	52.6	65.0	61.8	63.4	49.5	49.3	58.5	52.4
5	DECCAN -107	51.3	44.0	47.6	55.8	72.0	66.0	69.0	55.8	51.7	60.0	55.8
	MEAN LOCATION	48.3	44.3	46.3	52.7	65.4	61.0	63.2	51.0	49.7	56.7	52.5
	C.D. AT 5%=	1.2	2.3	1.7	-	0.9	2.4	1.6	2.8	1.6	2.8	2.4
	C.V. % =	1.5	3.4	-	-	0.9	2.5	-	3.6	1.7	3.2	-
	F (Prob)	.000	.064	-	-	.000	.000	-	.001	.007	.003	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN	DAYS TO 50 % DRY HUSK ALMO	BAJA	ZN 1 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	58.0	52.0	56.8	55.6	49.8	48.5	49.1	54.2	116.8	109.0	112.9
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	58.3	53.0	52.3	54.5	48.5	49.5	49.0	54.1	116.8	112.3	114.5
3	SHAKTI - 1	58.5	55.5	54.3	56.1	49.8	49.3	49.5	54.0	113.8	112.5	113.1
4	NAVJOT	59.3	57.5	56.5	57.8	50.0	46.3	48.1	55.4	115.0	112.0	113.5
5	DECCAN -107	61.8	62.0	59.0	60.9	54.0	48.3	51.1	59.0	122.0	111.0	116.5
	MEAN LOCATION	59.2	56.0	55.8	57.0	50.4	48.3	49.4	55.4	116.8	111.3	114.1
	C.D. AT 5%=	1.8	0.5	1.3	1.2	1.4	2.3	1.8	-	1.1	2.1	1.6
	C.V. % =	1.9	0.6	1.5	-	1.8	3.0	-	-	0.6	1.2	-
	F (Prob)	.004	.000	.000	-	.000	.059	-	-	.000	.022	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 2 LUDH	ZN 2 HYDE	ZN 2 COIM	ZN 4 MEAN	ZN 4 UDAI	ZN 4 BANS	ZN 5 MEAN	OV'L MEAN	MOISTURE % HARVEST ALMO	HARVEST BAJA	AT ZN 1 MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	81.8	92.0	98.3	95.1	87.0	80.0	83.5	95.0	36.8	29.5	33.2
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	81.8	92.0	94.0	93.0	83.5	82.0	82.8	94.6	34.5	26.5	30.5
3	SHAKTI - 1	79.5	92.0	96.5	94.3	83.5	80.0	81.8	94.0	35.2	31.6	33.4
4	NAVJOT	81.5	92.0	98.8	95.4	82.5	80.0	81.3	94.5	34.4	30.3	32.3
5	DECCAN -107	82.3	94.3	101.0	97.6	86.0	79.5	82.8	96.6	40.8	31.0	35.9
	MEAN LOCATION	81.3	92.4	97.7	95.1	84.5	80.3	82.4	94.9	36.3	29.8	33.1
	C.D. AT 5%=	2.1	1.9	1.0	1.5	3.1	2.5	2.8	-	2.6	2.3	2.4
	C.V. % =	1.6	1.3	0.7	-	2.4	2.0	-	-	4.6	4.9	-
	F (Prob)	.091	.084	.000	-	.039	.269	-	-	.001	.003	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST LUDH	PANT	ZN 2 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	22.6	31.7	27.1	23.4	21.6	15.5	20.2	18.1	16.3	17.2	24.0
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	22.8	34.1	28.4	22.5	19.9	16.3	19.6	16.0	16.2	16.1	23.2
3	SHAKTI - 1	23.4	32.7	28.1	24.7	17.8	15.8	19.4	14.6	16.2	15.4	23.6
4	NAVJOT	22.8	30.6	26.7	26.7	19.5	17.3	21.1	18.0	16.4	17.2	24.0
5	DECCAN -107	24.0	33.5	28.7	25.8	19.8	16.2	20.6	16.2	16.0	16.1	24.8
	MEAN LOCATION	23.1	32.5	27.8	24.6	19.7	16.2	20.2	16.6	16.2	16.4	23.9
	C.D. AT 5%=	0.4	1.7	1.1	1.7	1.6	0.9	1.4	0.9	0.8	0.9	-
	C.V. % =	1.2	3.5	-	4.4	5.4	3.6	-	3.6	3.3	-	-
	F (Prob)	.000	.006	-	.001	.004	.012	-	.000	.936	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	3.2	2.6	2.9	2.6	2.5	1.8	2.3	2.5	2.5	2.5	2.5
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	3.0	2.6	2.8	2.3	2.3	1.8	2.1	2.7	2.4	2.5	2.4
3	SHAKTI - 1	3.1	2.6	2.8	2.9	3.0	2.3	2.7	3.0	2.3	2.6	2.7
4	NAVJOT	3.2	2.5	2.9	2.6	3.0	1.3	2.3	2.5	2.3	2.4	2.5
5	DECCAN -107	2.7	2.3	2.5	2.6	2.0	2.8	2.5	2.0	2.6	2.3	2.4
	MEAN LOCATION	3.0	2.5	2.8	2.6	2.5	2.0	2.4	2.5	2.4	2.5	2.5
	C.D. AT 5%=	0.2	0.3	0.3	0.4	0.1	0.8	0.5	0.4	0.4	0.4	-
	C.V. % =	5.0	8.7	-	9.9	3.6	28.1	-	9.9	10.6	-	-
	F (Prob)	.002	.128	-	.063	.000	.021	-	.002	.227	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	HUSK COVER * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	1.8	2.1	2.0	2.5	2.3	2.0	2.3	2.5	2.6	2.6	2.3
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	1.8	2.4	2.1	2.4	2.0	1.5	2.0	2.6	2.3	2.4	2.1
3	SHAKTI - 1	1.8	2.3	2.0	2.5	2.8	2.0	2.4	2.7	2.4	2.5	2.3
4	NAVJOT	2.0	2.5	2.2	2.4	2.3	1.8	2.1	2.4	2.4	2.4	2.2
5	DECCAN -107	2.0	2.6	2.3	2.4	2.0	2.0	2.1	2.2	2.8	2.5	2.3
	MEAN LOCATION	1.9	2.4	2.1	2.4	2.3	1.9	2.2	2.5	2.5	2.5	2.2
	C.D. AT 5%=	0.1	0.5	0.3	0.4	0.2	0.5	0.3	0.2	0.5	0.4	-
	C.V. % =	3.2	13.2	-	9.4	5.0	17.1	-	6.1	13.9	-	-
	F (Prob)	.001	.239	-	.832	.000	.159	-	.002	.286	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * ALMO	BAJA	ZN 1 MEAN	HYDE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	2.7	2.6	2.6	2.6	2.5	1.8	2.3	2.7	2.5	2.6	2.5
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	2.9	2.3	2.6	2.3	2.3	1.8	2.1	2.5	2.4	2.4	2.3
3	SHAKTI - 1	3.0	2.6	2.8	2.8	3.0	2.3	2.7	2.7	2.3	2.5	2.6
4	NAVJOT	2.7	2.8	2.7	2.6	3.0	2.0	2.5	2.3	2.5	2.4	2.6
5	DECCAN -107	2.8	2.6	2.7	2.6	2.5	2.3	2.5	2.2	2.4	2.3	2.5
	MEAN LOCATION	2.8	2.6	2.7	2.6	2.7	2.0	2.4	2.5	2.4	2.4	2.5
	C.D. AT 5%=	0.6	0.4	0.5	0.5	0.1	0.9	0.5	0.3	0.4	0.3	-
	C.V. % =	12.8	9.5	-	11.3	3.4	28.1	-	7.8	9.5	-	-
	F (Prob)	.654	.110	-	.218	.000	.554	-	.019	.526	-	-

TABLE NO. 43 (CONT.) -

Sl No	PEDIGREE	PLANT HEIGHT (cm) ALMO	BAJA	ZN 1 MEAN	LUDH	KARN	PANT	ZN 2 MEAN	ZN 4 COIM	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	152	150	151	170	187	178	178	156	206	143	174	167
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	151	149	150	189	175	174	179	172	208	128	168	168
3	SHAKTI - 1	145	172	159	184	160	179	174	175	203	165	184	173
4	NAVJOT	175	163	169	206	183	189	193	185	236	156	196	187
5	DECCAN -107	192	184	188	200	192	195	195	197	245	163	204	196
	MEAN LOCATION	163	163	163	190	179	183	184	177	220	151	185	178
	C.D. AT 5%=	9.1	19.5	14.3	14.3	11.3	17.6	14.4	11.5	21.2	16.0	18.6	-
	C.V. % =	3.6	7.8	-	4.9	3.3	6.3	-	4.2	6.3	6.9	-	-
	F (Prob)	.000	.009	-	.001	.001	.131	-	.000	.002	.001	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ALMO	BAJA	ZN 1 MEAN	KARN	PANT	ZN 2 MEAN	ZN 4 COIM	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	60	66	63	82	72	77	80	76	65	71	72
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	62	65	64	77	74	75	84	85	59	72	72
3	SHAKTI - 1	55	68	61	63	68	66	85	75	66	71	69
4	NAVJOT	74	80	77	78	81	80	96	96	69	83	82
5	DECCAN -107	87	75	81	93	78	85	93	113	71	92	87
	MEAN LOCATION	68	71	69	79	75	77	87	89	66	78	76
	C.D. AT 5%=	6.7	16.3	11.5	16.4	12.5	14.5	8.1	17.7	9.5	13.6	-
	C.V. % =	6.5	14.9	-	11.1	10.9	-	6.0	12.9	9.3	-	-
	F (Prob)	.000	.263	-	.033	.235	-	.006	.003	.114	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN	EAR No./PLANT ALMO	LUDH	HYDE	UDAI	BANS	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	2.5	1.9	2.2	2.2	2.1	2.1	0.98	1.00	1.11	0.96	0.91	0.99
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	2.3	1.8	2.0	1.8	1.5	1.6	0.99	0.98	1.10	0.97	0.97	1.00
3	SHAKTI - 1	3.5	2.6	3.1	1.3	2.0	1.7	0.96	1.00	1.04	0.98	0.97	0.99
4	NAVJOT	3.5	2.8	3.1	1.4	1.9	1.6	0.99	1.06	1.15	1.02	0.90	1.02
5	DECCAN -107	2.3	1.8	2.0	2.1	2.0	2.0	1.00	1.07	1.14	1.06	0.93	1.04
	MEAN LOCATION	2.8	2.2	2.5	1.7	1.9	1.8	-	-	-	-	-	-
	C.D. AT 5%=	0.4	0.3	0.4	0.2	0.4	0.3	-	-	-	-	-	-
	C.V. % =	9.0	10.2	-	9.1	12.5	-	-	-	-	-	-	-
	F (Prob)	.000	.000	-	.000	.025	-	-	-	-	-	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	STAND AT * HARVEST ALMO	BAJA	LUDH	KARN	PANT	HYDE	ARBH	COIM	UDAI	BANS	OV'L MEAN
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	35	57	75	21	47	23	79	75	64	42	52
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	32	55	76	20	57	25	80	75	60	42	52
3	SHAKTI - 1	31	57	67	21	46	16	79	76	48	47	49
4	NAVJOT	31	60	72	21	53	22	66	75	57	43	50
5	DECCAN -107	34	61	71	22	55	27	85	75	65	40	53
	MEAN LOCATION	33	58	72	21	51	22	77	75	59	43	51
	C.D. AT 5%=	4.3	8.9	5.1	1.5	11.7	5.1	8.5	0.9	9.5	6.4	-
	C.V. % =	8.6	10.0	4.6	3.7	14.8	14.8	7.1	0.8	10.5	9.8	-
	F (Prob)	.330	.528	.024	.427	.196	.006	.005	.728	.014	.335	

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 44

PERFORMANCE OF SPECIAL CORN EXPERIMENTAL HYBRIDS AT BAJAURA, LUDHIANA, IN TRIAL No. TRSCT5 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE BAJA	R	LUDH	R	OV'L MEAN	R	% SUPERIORITY OVER THE NAVJOT BAJA	NAVJOT LUDH	OV'L MEAN	GANGA-11 BAJA	GANGA-11 LUDH	OV'L MEAN
1	J H wx - 21	6704	1	9540	1	8122	1	60.14	71.77	66.77	128.94	48.57	73.74
2	J H wx - 22	6126	2	9095	2	7610	2	46.32	63.75	56.26	109.19	41.63	62.79
3	J H wx - 23	6000	3	7884	3	6942	3	43.31	41.95	42.54	104.88	22.78	48.50
4	J H ae - 4	5952	4	6751	6	6352	5	42.17	21.55	30.42	103.26	5.14	35.87
5	J H ae - 5	5736	6	5926	10	5831	8	37.02	6.70	19.73	95.89	-	24.74
6	J H ae - 6	5657	7	6491	8	6074	6	35.11	16.86	24.70	93.17	1.08	29.92
7	J H ae - 7	5825	5	7080	5	6452	4	39.13	27.47	32.48	98.91	10.26	38.03
8	B-HOMH - 11	4723	9	6651	7	5687	9	12.81	19.75	16.77	61.28	3.58	21.65
9	B-HOMH - 12	4876	8	7150	4	6013	7	16.48	28.73	23.46	66.53	11.34	28.63
10	GLUTENIOUS WAXY VCM -xO-xO-#	2005	15	2527	14	2266	15	-	-	-	-	-	-
11	KISAN WAXY - 2-6-xOB	2665	14	2449	15	2557	14	-	-	-	-	-	-
12	TEMP. x TROP. HIGH OIL QPMC - 16	3524	11	3288	13	3406	12	-	-	-	20.34	-	-
	CHECKS:												
13	NAVJOT	4187	10	5554	11	4870	10	-	-	-	42.96	-	4.18
14	GANGA-11	2928	13	6421	9	4675	11	-	15.61	-	-	-	-
15	SHAKTIMAN - 1	3369	12	3414	12	3392	13	-	-	-	15.04	-	-
	MEAN YIELD=	4685		6015		5350							
	MEAN STAND	30		33		31							
	C.D. AT 5%=	765		1515		1140							
	C.V. % =	9.78		17.68		-							
	F (Prob)	.000		.000		-							
	PLOT SIZE=	4.80		5.20		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	15-07		5-07		-							
	HARVEST DATE(2002)	15-11		10-10		-							
	IRRIGATION Nos	2		8		-							
	FERTILIZER APPLIED N	120		125		-							
	P	60		60		-							
	K	40		30		-							

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 52.3% : HYDE 23.8%

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	YIELD % SUPERIORITY OVER SHAKTIMAN - 1 BAJA	LUDH	OV'L MEAN	DAYS TO 50% POLLEN SHED BAJA	LUDH	OV'L MEAN	DAYS TO 50% SILKING BAJA	LUDH	OV'L MEAN
1	J H wx - 21	99.00	179.41	139.47	64.7	50.0	57.3	64.3	52.0	58.2
2	J H wx - 22	81.83	166.36	124.38	64.0	50.5	57.3	66.0	52.5	59.3
3	J H wx - 23	78.09	130.91	104.68	62.7	49.0	55.8	65.0	51.5	58.3
4	J H ae - 4	76.68	97.73	87.27	62.7	50.5	56.6	65.3	54.3	59.8
5	J H ae - 5	70.28	73.57	71.93	63.7	53.0	58.3	66.0	56.3	61.1
6	J H ae - 6	67.91	90.09	79.07	63.0	51.3	57.1	65.0	54.0	59.5
7	J H ae - 7	72.90	107.36	90.24	63.7	50.3	57.0	65.7	52.0	58.8
8	B-HOMH - 11	40.19	94.79	67.67	67.0	52.5	59.8	69.0	54.3	61.6
9	B-HOMH - 12	44.75	109.40	77.29	70.7	49.5	60.1	73.0	51.3	62.1
10	GLUTENIOUS WAXY VCM -xO-xO-#	-	-	-	53.0	45.3	49.1	55.0	46.8	50.9
11	KISAN WAXY - 2-6-xOB	-	-	-	65.0	52.8	58.9	67.0	56.3	61.6
12	TEMP. x TROP. HIGH OIL QPMC - 16	4.61	-	0.42	62.0	48.8	55.4	64.0	51.5	57.8
	CHECKS:									
13	NAVJOT	24.27	62.67	43.60	57.3	49.0	53.2	59.7	51.5	55.6
14	GANGA-11	-	88.06	37.83	65.3	49.8	57.5	67.3	52.0	59.7
15	SHAKTIMAN - 1	-	-	-	65.7	50.8	58.2	68.0	56.3	62.1
	MEAN LOCATION				63.4	50.2	56.8	65.4	52.8	59.1
	C.D. AT 5%=	-	-	-	1.9	2.4	-	2.3	2.2	-
	C.V. % =	-	-	-	1.8	3.3	-	2.1	3.0	-
	F (Prob)	-	-	-	.000	.000	-	.000	.000	-

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK BAJA	DAYS TO 50% DRY HUSK LUDH	DAYS TO 50% DRY HUSK OV'L MEAN	MOISTURE % AT HARVEST BAJA	MOISTURE % AT HARVEST LUDH	MOISTURE % AT HARVEST OV'L MEAN	PLANT ASP.* BAJA	EAR ASP.* BAJA	HUSK COV.* BAJA	UNIF.* BAJA
1	J H wx - 21	110.0	82.5	96.3	34.0	24.5	29.2	2.3	2.5	2.2	2.0
2	J H wx - 22	115.7	84.0	99.8	34.4	25.6	30.0	2.5	2.5	2.0	2.2
3	J H wx - 23	110.3	85.3	97.8	32.8	27.3	30.0	2.3	2.5	2.0	2.0
4	J H ae - 4	111.7	84.8	98.2	31.5	26.7	29.1	2.3	2.7	2.0	2.0
5	J H ae - 5	115.3	87.5	101.4	31.8	28.8	30.3	2.7	2.7	2.2	2.0
6	J H ae - 6	112.3	86.3	99.3	31.1	26.0	28.5	2.3	2.7	2.0	2.0
7	J H ae - 7	114.3	84.0	99.2	32.8	24.0	28.4	2.2	2.5	2.0	2.2
8	B-HOMH - 11	112.0	87.0	99.5	34.8	26.9	30.8	2.2	2.7	2.0	2.0
9	B-HOMH - 12	117.0	83.0	100.0	31.3	22.9	27.1	2.5	3.0	2.2	2.0
10	GLUTENIOUS WAXY VCM -xO-xO-#	105.3	75.5	90.4	24.5	21.4	23.0	3.0	3.3	2.5	3.0
11	KISAN WAXY - 2-6-xOB	106.3	80.0	93.2	29.0	24.3	26.6	3.5	3.2	2.5	3.0
12	TEMP. x TROP. HIGH OIL QPMC - 16	110.7	81.5	96.1	31.5	22.5	27.0	3.0	3.0	2.5	2.3
	CHECKS:										
13	NAVJOT	112.0	82.8	97.4	29.8	22.6	26.2	2.5	2.7	2.2	2.2
14	GANGA-11	114.3	84.8	99.5	37.0	23.5	30.3	2.5	2.8	2.2	2.5
15	SHAKTIMAN - 1	115.3	86.3	100.8	34.8	27.0	30.9	3.0	3.0	2.3	2.0
	MEAN LOCATION	112.2	83.7	97.9	32.1	24.9	28.5	2.6	2.8	2.2	2.2
	C.D. AT 5%=	4.2	2.5	-	2.5	1.0	-	0.4	0.4	0.3	0.3
	C.V. % =	2.2	2.1	-	4.7	2.9	-	9.3	9.0	8.3	9.0
	F (Prob)	.000	.000	-	.000	.000	-	.000	.003	.003	.000

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) ZN 1 BAJA	ZN 2 LUDH	OV'L MEAN	EAR HEIGHT (cm) ZN 1 BAJA	ZN 2 LUDH	OV'L MEAN	H.turc. * BAJA	EAR No./PLANT LUDH	STAND AT HARVEST BAJA	LUDH	OV'L MEAN
1	J H wx - 21	187	200	194	79	98	88	1.8	1.13	28	36	32
2	J H wx - 22	183	211	197	66	109	88	2.0	1.12	34	37	35
3	J H wx - 23	180	199	189	68	108	88	2.2	1.21	31	30	30
4	J H ae - 4	174	188	181	73	105	89	1.8	1.39	33	34	34
5	J H ae - 5	172	190	181	68	96	82	3.3	1.36	33	38	35
6	J H ae - 6	169	189	179	82	103	92	2.0	1.16	30	35	32
7	J H ae - 7	165	186	176	73	108	90	2.7	1.07	37	39	38
8	B-HOMH - 11	187	204	195	78	118	98	2.3	1.12	28	36	32
9	B-HOMH - 12	191	200	195	80	105	93	2.7	1.02	31	31	31
10	GLUTENIOUS WAXY VCM -xO-xO-#	155	155	155	72	88	80	2.8	1.12	26	22	24
11	KISAN WAXY - 2-6-xOB	173	156	165	72	76	74	4.3	0.93	21	21	21
12	TEMP. x TROP. HIGH OIL QPMC - 16	150	158	154	51	71	61	3.2	0.98	29	32	30
	CHECKS:											
13	NAVJOT	177	203	190	75	89	82	3.2	1.05	32	33	33
14	GANGA-11	187	191	189	80	96	88	3.0	0.99	32	39	35
15	SHAKTIMAN - 1	149	178	163	64	79	71	3.0	1.09	27	31	29
	MEAN LOCATION	173	187	180	72	96	84	2.7	-	30	33	31
	C.D. AT 5%=	19.7	17.1	-	11.3	16.3	-	0.4	-	3.5	5.7	-
	C.V. % =	6.8	6.4	-	9.4	11.9	-	9.0	-	7.0	12.1	-
	F (Prob)	.001	.000	-	.001	.000	-	.000	-	.000	.000	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 45

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AS BABY CORN AT ALMORA, IN TRIAL No. BABY DURING KHARIF (2002).

Sl No	PEDIGREE	BABY CORN YIELD (kg/ha) ALMO	R	BABY CORN YIELD WITH HUSK (kg/ha) ALMO	R	FODDER YIELD (kg/ha) ALMO	R	DEHUSKED COB LEN. (cm) ALMO	DEHUSKED COB GIRTH (cm) ALMO	No.OF COBS/ PLOT ALMO	STAND AT HARV. ALMO
1	PAC 71094	1375	2	9577	1	38605	3	8.5	4.4	148	68
2	PAC 70006	1154	6	8264	2	47287	1	7.1	3.9	139	73
3	B A U - FS V1	1029	9	6917	9	39383	2	8.2	4.3	104	70
4	DBEH - 10201	1108	8	7399	7	29984	6	8.1	4.2	125	76
5	D B C - 1	1171	5	7621	5	26076	9	6.9	3.9	151	72
6	VL - 78	1239	4	7649	4	28699	8	6.8	3.8	153	75
7	FH - 3054	1447	1	7085	8	36635	4	7.6	4.3	125	73
8	VL MAKKA - 42	1250	3	7963	3	32678	5	7.3	4.1	134	79
9	HIM - 129	1147	7	7426	6	29934	7	8.1	4.2	118	71
	MEAN YIELD=	1213		7767		34365		-	-	-	-
	MEAN STAND	73		73		73		7.6	4.1	133	73
	C.D. AT 5%=	101		615		2847		0.2	0.1	12.5	7.0
	C.V. % =	4.82		4.59		4.81		1.3	1.9	5.4	5.6
	F (Prob)	.000		.000		.000		.000	.000	.000	.115

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : PANT 32.7% (WITHOUT HUSK)
LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : PANT 33.4% (WITH HUSK)
LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : PANT 24.5% (FODDER)

TABLE NO. 46

PERFORMANCE OF SWEET CORN COMPOSITES AT ALMORA, BAJAURA, LUDHIANA, IN TRIAL No. SWEET DURING KHARIF (2002).

Sl No	PEDIGREE	GREEN EAR ** ALMO	R	GRAIN YIELD (kg/ha) AT 15% MOISTURE BAJA	R	LUDH	R	GREEN EAR** ALMO	% YIELD SUPERIORITY OVER THE MADHURI BAJA	LUDH
1	JC (SWEET CORN) 1	9111	2	2912	7	2004	2	30.37	-	21.20
2	JC (SWEET CORN) 8	7275	6	4133	1	1530	5	4.10	16.81	-
3	V L - 15	6574	8	2422	8	1400	8	-	-	-
4	THAI COMP. DMR-#-A-xO-xO-xO	8088	3	3748	4	2031	1	15.74	5.93	22.85
5	ZA WIN SWEET CORN- I	9155	1	3876	3	1531	4	31.00	9.54	-
6	ZA WIN YELLOW SWEET CORN	7908	4	3591	5	1515	6	13.15	1.48	-
7	ZA WIN ORANG SWEET CORN	7472	5	4070	2	1468	7	6.92	15.02	-
	CHECKS:									
8	MADHURI	6988	7	3538	6	1654	3	-	-	-
	MEAN YIELD=	7821		3536		1642				
	MEAN STAND	40		52		64				
	C.D. AT 5%=	1125		628		374				
	C.V. % =	8.26		10.21		15.59				
	F (Prob)	.002		.000						
	PLOT SIZE=	7.20		9.60		10.40				
	AGRONOMY DATA:									
	SOWING DATE(2002)	11-07		15-07		11-07				
	HARVEST DATE(2002)	8-10		15-11		10-10				
	IRRIGATION Nos	2610		2		8				
	FERTILIZER APPLIED N	-		120		125				
	P	80		60		60				
	K	60		40		30				

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) DELH 85.4%
DHOL 54.3% : COIM 32.9%

** GREEN EAR YIELD (kg/ha)

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	OV'L MEAN	DAYS TO 50 % SILKING ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	OV'L MEAN
1	JC (SWEET CORN) 1	71.3	60.7	66.0	67.8	66.6	74.3	63.0	68.7	70.8	69.4
2	JC (SWEET CORN) 8	64.0	65.0	64.5	59.8	62.9	65.0	67.3	66.2	62.8	65.0
3	V L - 15	57.3	57.3	57.3	57.5	57.4	58.3	59.7	59.0	60.0	59.3
4	THAI COMP. DMR-#-A-xO-xO-xO	63.0	63.3	63.2	60.8	62.4	65.0	65.3	65.2	63.8	64.7
5	ZA WIN SWEET CORN- I	56.7	60.0	58.3	55.3	57.3	58.0	62.0	60.0	58.3	59.4
6	ZA WIN YELLOW SWEET CORN	58.0	58.7	58.3	60.3	59.0	59.3	61.0	60.2	63.5	61.3
7	ZA WIN ORANG SWEET CORN	58.3	58.0	58.2	56.3	57.5	59.3	60.3	59.8	59.8	59.8
	CHECKS:										
8	MADHURI	60.3	61.3	60.8	59.0	60.2	62.0	63.3	62.7	62.0	62.4
	MEAN LOCATION	61.1	60.5	60.8	59.6	60.4	62.7	62.8	62.7	62.6	62.7
	C.D. AT 5%=	1.3	2.5	1.9	3.8	-	1.2	2.8	2.0	4.1	-
	C.V. % =	1.2	2.4	-	4.3	-	1.1	2.6	-	4.5	-
	F (Prob)	.000	.000	-	.000	-	.000	.001	-	.000	-

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK BAJA	DAYS TO 50% DRY HUSK LUDH	DAYS TO 50% DRY HUSK OV'L MEAN	MOISTURE % AT HARVEST BAJA	MOISTURE % AT HARVEST LUDH	MOISTURE % AT HARVEST OV'L MEAN	PLANT HEIGHT (cm) ZN 1 ALMO	PLANT HEIGHT (cm) ZN 1 BAJA	PLANT HEIGHT (cm) ZN 1 MEAN	PLANT HEIGHT (cm) ZN 2 LUDH	PLANT HEIGHT (cm) OV'L MEAN
1	JC (SWEET CORN) 1	120.0	108.5	114.3	40.0	29.4	34.7	265	162	213	208	212
2	JC (SWEET CORN) 8	113.7	96.3	105.0	40.0	26.3	33.2	238	152	195	178	189
3	V L - 15	104.7	92.5	98.6	35.8	26.1	31.0	206	177	192	182	188
4	THAI COMP. DMR-#-A-xO-xO-xO	114.7	102.3	108.5	32.1	28.2	30.1	240	162	201	180	194
5	ZA WIN SWEET CORN- I	106.7	96.0	101.3	32.2	26.4	29.3	220	167	193	174	187
6	ZA WIN YELLOW SWEET CORN	106.0	96.5	101.3	30.4	26.4	28.4	238	167	203	179	195
7	ZA WIN ORANG SWEET CORN	107.3	90.5	98.9	29.1	24.5	26.8	225	155	190	180	186
	CHECKS:											
8	MADHURI	111.3	96.8	104.0	29.1	25.9	27.5	204	143	173	187	178
	MEAN LOCATION	110.5	97.4	104.0	33.6	26.6	30.1	229	161	195	183	191
	C.D. AT 5%=	4.9	2.6	-	1.2	0.9	-	12.1	9.7	10.9	13.6	-
	C.V. % =	2.5	1.8	-	2.0	2.2	-	3.0	3.5	-	5.0	-
	F (Prob)	.000	.000	-	.000	.000	-	.000	.000	-	.001	-

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ALMO	BAJA	ZN 1 MEAN	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN	EAR No. /PLANT ALMO	STAND AT HARVEST ALMO	BAJA	LUDH
1	JC (SWEET CORN) 1	158	68	113	2.6	2.7	2.6	2.0	1.7	1.8	0.98	40	47	65
2	JC (SWEET CORN) 8	116	55	86	2.5	2.8	2.7	2.5	2.0	2.3	0.98	41	55	61
3	V L - 15	88	77	83	3.3	3.3	3.3	2.4	1.7	2.0	1.00	40	42	64
4	THAI COMP. DMR-#-A-xO-xO-xO	121	66	93	3.0	2.8	2.9	2.5	1.7	2.1	1.02	39	46	64
5	ZA WIN SWEET CORN- I	110	63	86	2.3	3.2	2.7	2.5	2.2	2.3	0.99	40	58	64
6	ZA WIN YELLOW SWEET CORN	121	68	95	2.8	3.7	3.2	2.6	1.8	2.2	0.98	40	60	63
7	ZA WIN ORANG SWEET CORN	105	55	80	2.9	3.5	3.2	2.8	2.0	2.4	1.04	40	60	63
	CHECKS:													
8	MADHURI	97	60	78	3.0	3.0	3.0	2.6	2.2	2.4	1.01	38	44	68
	MEAN LOCATION	115	64	89	2.8	3.1	3.0	2.5	1.9	2.2	-	40	52	64
	C.D. AT 5%=	8.7	11.9	10.3	0.5	0.9	0.7	0.4	0.6	0.5	-	4.1	6.4	3.9
	C.V. % =	4.4	10.6	-	11.3	16.1	-	8.5	16.8	-	-	5.8	7.1	4.1
	F (Prob)	.000	.022	-	.026	.254	-	.037	.281	-	-	.847	.000	.043

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 47

PERFORMANCE OF POP CORN COMPOSITES AT BAJAURA, LUDHIANA, COIMBATORE, UDAIPUR, CHHINDIWARA IN TRIAL No. POP DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 BAJA	R	ZN 2 LUDH	R	ZN 4 COIM	R	UDAI	R	CHHI	R	ZN 5 MEAN	R	OV'L MEAN	R
1	WIN POP CORN - 1	3778	2	2257	2	2887	5	4071	1	1416	3	2743	1	2882	2
2	WIN POP CORN - II	3331	5	2149	4	3412	4	3605	2	1652	2	2628	2	2830	4
3	WIN POP CORN - 1II	3557	4	2320	1	3695	1	3479	4	1347	4	2413	4	2880	3
4	WIN POP CORN - 1V	3636	3	2211	3	3487	3	3318	5	1024	5	2171	5	2735	5
	CHECKS:														
5	AMBER POP CORN	4399	1	2110	5	3660	2	3484	3	1712	1	2598	3	3073	1
	MEAN YIELD=	3740		2209		3428		3591		1430		2511		2880	
	MEAN STAND	69		76		75		65		59		62		69	
	C.D. AT 5%=	346		331		1047		657		303		480		537	
	C.V. % =	6.11		9.88		20.14		12.05		13.97		-		-	
	F (Prob)	.000		.419		.668		.024		.002		-		-	
	PLOT SIZE=	9.60		12.00		15.00		12.00		12.00		-		-	
	AGRONOMY DATA:														
	SOWING DATE(2002)	15-07		12-07		19-07		13-07		25-07		-		-	
	HARVEST DATE(2002)	15-11		14-10		30-10		21-10		15-11		-		-	
	IRRIGATION Nos	2		6		8		2		-		-		-	
	FERTILIZER APPLIED N	90		90		135		90		120		-		-	
	P	45		30		63		60		60		-		-	
	K	30		-		50		-		40		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20.2%) : DELH 32.4%

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE AMBER POP CORN ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	DAYS TO 50 % POLLEN SHED ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM
1	WIN POP CORN - 1	-	6.96	-	16.85	-	5.59	-	61.3	51.3	52.8
2	WIN POP CORN - II	-	1.85	-	3.46	-	1.16	-	62.3	52.8	52.5
3	WIN POP CORN - 1II	-	9.96	0.97	-	-	-	-	60.8	51.3	52.8
4	WIN POP CORN - 1V	-	4.76	-	-	-	-	-	62.8	50.5	53.8
	CHECKS:										
5	AMBER POP CORN	-	-	-	-	-	-	-	63.8	52.8	54.5
	MEAN LOCATION	-	-	-	-	-	-	-	62.2	51.7	53.3
	C.D. AT 5%=	-	-	-	-	-	-	-	2.2	1.8	0.9
	C.V. % =	-	-	-	-	-	-	-	2.3	2.2	1.1
	F (Prob)	-	-	-	-	-	-	-	.068	.058	.002

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	DAYS TO 50 % SILKING ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	WIN POP CORN - 1	48.3	57.5	52.9	54.2	63.8	53.3	55.3	51.3	60.0	55.6	56.7
2	WIN POP CORN - II	50.3	58.0	54.1	55.2	64.3	55.3	55.5	53.0	61.0	57.0	57.8
3	WIN POP CORN - 1II	49.5	57.0	53.3	54.3	63.0	53.5	55.8	52.0	59.3	55.6	56.7
4	WIN POP CORN - 1V	51.0	58.3	54.6	55.3	65.3	52.5	56.5	52.8	60.8	56.8	57.5
	CHECKS:											
5	AMBER POP CORN	52.3	59.0	55.6	56.5	66.0	55.5	58.3	54.5	62.3	58.4	59.3
	MEAN LOCATION	50.3	58.0	54.1	55.1	64.4	54.0	56.3	52.7	60.7	56.7	57.6
	C.D. AT 5%=	1.3	1.1	1.2	-	2.1	1.6	0.8	1.0	1.6	1.3	-
	C.V. % =	1.7	1.2	-	-	2.1	1.9	0.9	1.2	1.7	-	-
	F (Prob)	.000	.018	-	-	.055	.006	.000	.000	.016	-	-

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	MOISTURE % AT HARVEST ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM
1	WIN POP CORN - 1	115.3	81.5	97.0	86.0	90.5	88.3	94.1	29.1	22.6	16.5
2	WIN POP CORN - II	113.3	83.8	97.5	84.8	90.5	87.6	93.9	30.2	22.8	16.0
3	WIN POP CORN - III	114.0	82.0	97.5	86.0	90.5	88.3	94.0	27.8	22.2	16.7
4	WIN POP CORN - IV	115.0	81.3	98.3	85.3	90.5	87.9	94.1	29.0	22.2	16.4
	CHECKS:										
5	AMBER POP CORN	115.8	82.8	99.0	85.5	91.5	88.5	94.9	29.1	23.3	16.6
	MEAN LOCATION	114.7	82.3	97.8	85.5	90.7	88.1	94.2	29.0	22.6	16.4
	C.D. AT 5%=	2.1	1.6	1.4	1.1	0.6	0.8	-	1.0	0.6	0.9
	C.V. % =	1.2	1.2	0.9	0.8	0.4	-	-	2.3	1.7	3.7
	F (Prob)	.119	.027	.063	.120	.007	-	-	.006	.007	.564

Sl No	PEDIGREE	MOISTURE % AT HARVEST UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	PLANT ASPECT * ZN 1 BAJA	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	WIN POP CORN - 1	16.2	16.7	16.4	20.2	3.0	1.8	2.5	1.5	2.0	2.2
2	WIN POP CORN - II	16.3	17.0	16.6	20.4	2.9	2.5	2.2	1.8	2.0	2.3
3	WIN POP CORN - III	16.2	16.2	16.2	19.8	3.0	2.0	2.1	1.5	1.8	2.2
4	WIN POP CORN - IV	16.1	17.1	16.6	20.2	3.0	2.3	2.3	1.8	2.0	2.3
	CHECKS:										
5	AMBER POP CORN	18.0	19.0	18.5	21.2	3.0	2.8	2.4	1.5	2.0	2.4
	MEAN LOCATION	16.5	17.2	16.9	20.4	3.0	2.3	2.3	1.6	2.0	2.3
	C.D. AT 5%=	0.5	0.5	0.5	-	0.2	1.0	0.4	0.3	0.3	-
	C.V. % =	2.0	2.0	-	-	3.8	29.0	10.8	10.7	-	-
	F (Prob)	.000	.000			.445	.272	.324	.092	-	-

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * ZN 1 BAJA	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	HUSK COVER * ZN 1 BAJA	ZN 4 COIM	ZN 5 UDAI	OV'L MEAN
1	WIN POP CORN - 1	2.5	1.3	1.9	1.3	1.6	1.7	2.3	2.0	2.5	2.3
2	WIN POP CORN - II	2.9	2.5	1.9	1.5	1.7	2.2	2.1	2.5	2.4	2.4
3	WIN POP CORN - 1II	2.5	2.5	1.9	1.5	1.7	2.1	2.5	2.0	2.3	2.3
4	WIN POP CORN - 1V	2.5	1.5	1.9	1.8	1.8	1.9	2.1	2.3	2.5	2.3
	CHECKS:										
5	AMBER POP CORN	2.5	2.3	1.9	1.0	1.5	1.9	2.3	2.3	2.5	2.3
	MEAN LOCATION	2.6	2.0	1.9	1.4	1.7	2.0	2.3	2.2	2.4	2.3
	C.D. AT 5%=	0.3	0.8	0.2	0.3	0.2	-	0.3	0.9	0.3	-
	C.V. % =	8.3	26.2	5.8	12.2	-	-	7.3	27.8	9.1	-
	F (Prob)	.102	.013	.954	.001	-	-	.042	.759	.433	-

Sl No	PEDIGREE	UNIFORMITY * ZN 1 BAJA	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	PLANT HEIGHT (cm) ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN
1	WIN POP CORN - 1	2.4	2.5	2.5	1.0	1.8	2.1	146	133	173	223	139	181	162
2	WIN POP CORN - II	2.5	2.5	2.4	1.8	2.1	2.3	151	136	176	228	129	178	164
3	WIN POP CORN - 1II	2.5	2.0	2.1	1.5	1.8	2.0	162	129	185	229	138	183	168
4	WIN POP CORN - 1V	2.4	2.8	2.4	1.3	1.8	2.2	155	124	167	216	128	172	158
	CHECKS:													
5	AMBER POP CORN	2.6	2.0	2.5	1.0	1.7	2.0	163	138	167	238	138	188	168
	MEAN LOCATION	2.5	2.3	2.4	1.3	1.8	2.1	155	132	173	227	134	180	164
	C.D. AT 5%=	0.3	0.8	0.4	0.2	0.3	-	14.8	15.7	17.4	18.6	13.5	16.1	-
	C.V. % =	8.5	21.3	11.0	8.6	-	-	6.2	7.8	6.5	5.3	6.5	-	-
	F (Prob)	.445	.194	.260	.000	-	-	.119	.355	.175	.216	.258	-	-

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) ZN 1 BAJA	ZN 2 LUDH	ZN 4 COIM	UDAI	CHHI	ZN 5 MEAN	OV'L MEAN	H.tur. * BAJA	H.may. * BAJA
1	WIN POP CORN - 1	59	70	88	100	68	84	77	2.6	2.1
2	WIN POP CORN - II	66	71	74	109	56	83	75	2.6	2.0
3	WIN POP CORN - 1II	75	68	77	109	55	82	77	3.0	2.1
4	WIN POP CORN - 1V	61	64	73	105	54	79	71	2.8	2.4
	CHECKS:									
5	AMBER POP CORN	70	68	74	120	61	91	79	2.8	2.0
	MEAN LOCATION	66	68	77	109	59	84	76	2.8	2.1
	C.D. AT 5%=	9.9	14.5	12.6	18.3	14.8	16.5	-	0.4	0.3
	C.V. % =	9.7	13.9	10.6	10.9	16.4	-	-	8.3	9.8
	F (Prob)	.022	.824	.111	.253	.296	-	-	.194	.138

Sl No	PEDIGREE	POPING VOLUME (cc) UDAI	CHHI	OV'L MEAN	STAND AT HARVEST BAJA	LUDH	COIM	UDAI	CHHI	OV'L MEAN
1	WIN POP CORN - 1	425	620	523	71	77	76	72	63	72
2	WIN POP CORN - II	538	659	598	75	76	75	63	59	70
3	WIN POP CORN - 1II	338	610	474	72	78	75	67	60	70
4	WIN POP CORN - 1V	463	488	475	66	76	76	65	57	68
	CHECKS:									
5	AMBER POP CORN	344	600	472	59	74	76	55	60	65
	MEAN LOCATION	421	595	508	69	76	75	65	59	69
	C.D. AT 5%=	129.9	177.8	-	4.7	7.7	1.1	8.2	7.4	-
	C.V. % =	20.0	19.4	-	4.5	6.6	0.9	8.2	8.1	-
	F (Prob)	.028	.346	-	.000	.774	.164	.008	.580	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 49

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, KANGRA IN TRIAL No. TR101 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE BAJA	R	KANG	R	ZN 1 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE KH - 510 BAJA	KANG	ZN 1 MEAN	THE LOCAL BAJA	KANG	ZN 1 MEAN
1	E H B - 1555	4197	13	5030	2	4614	10	-	66.85	-	-	14.59	-
2	E H B - 1560	6974	1	4375	7	5674	2	0.13	45.11	13.72	28.37	-	15.54
3	E H B - 1565	5614	7	4631	4	5122	5	-	53.60	2.65	3.33	5.49	4.29
4	E H B - 1572	6367	4	4907	3	5637	3	-	62.78	12.97	17.20	11.79	14.78
5	L - 133	6174	5	3035	12	4605	11	-	0.68	-	13.64	-	-
6	L - 134	6014	6	4524	5	5269	4	-	50.06	5.59	10.70	3.05	7.28
7	L - 160	6768	3	5525	1	6147	1	-	83.28	23.18	24.57	25.87	25.15
8	AMP-1	5525	8	3900	9	4713	8	-	29.37	-	1.71	-	-
9	AMP-2	5525	9	3804	10	4665	9	-	26.20	-	1.70	-	-
10	AMP-3	4690	12	4298	8	4494	12	-	42.55	-	-	-	-
	CHECKS:												
11	KH - 510	6965	2	3015	13	4990	6	-	-	-	28.20	-	1.60
12	LOCAL	5433	10	4390	6	4911	7	-	45.61	-	-	-	-
13	NAVJOT	4891	11	3606	11	4249	13	-	19.62	-	-	-	-
	MEAN YIELD=	5780		4234		5007							
	MEAN STAND	27		23		25							
	C.D. AT 5%=	779		682		731							
	C.V. % =	8.02		9.58		-							
	F (Prob)	.000		.000		-							
	PLOT SIZE=	4.80		4.80		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	5-07		14-06		-							
	HARVEST DATE(2002)	9-11		18-09		-							
	IRRIGATION Nos	2		-		-							
	FERTILIZER APPLIED N	120		80		-							
	P	60		60		-							
	K	40		40		-							

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : UMIA 29.7%

TABLE NO. 49 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT BAJA	KANG	ZN 1 MEAN	DAYS TO 50 % POLLEN SHED BAJA	KANG	ZN 1 MEAN	DAYS TO 50 % SILKING BAJA	KANG	ZN 1 MEAN	DRY HUSK 50% BAJA
1	E H B - 1555	-	39.49	8.59	61.0	52.7	56.8	63.7	55.7	59.7	106.7
2	E H B - 1560	42.58	21.32	33.56	60.7	52.7	56.7	63.0	56.0	59.5	107.7
3	E H B - 1565	14.77	28.41	20.56	66.3	52.0	59.2	69.0	55.7	62.3	107.7
4	E H B - 1572	30.17	36.08	32.68	62.0	49.3	55.7	64.0	53.3	58.7	106.3
5	L - 133	26.22	-	8.38	61.7	53.3	57.5	64.0	57.0	60.5	107.0
6	L - 134	22.95	25.45	24.01	63.0	52.3	57.7	65.3	55.7	60.5	105.3
7	L - 160	38.36	53.22	44.67	67.7	51.7	59.7	70.0	55.3	62.7	112.3
8	AMP-1	12.96	8.15	10.92	61.7	52.3	57.0	64.0	55.0	59.5	106.3
9	AMP-2	12.96	5.50	9.80	66.3	53.3	59.8	68.3	56.7	62.5	109.7
10	AMP-3	-	19.18	5.77	65.3	56.0	60.7	67.3	59.0	63.2	107.3
	CHECKS:										
11	KH - 510	42.40	-	17.44	63.3	49.7	56.5	65.3	53.3	59.3	109.7
12	LOCAL CHECK	11.07	21.73	15.60	66.7	52.0	59.3	68.7	55.7	62.2	108.0
13	NAVJOT	-	-	-	62.3	50.7	56.5	65.0	54.0	59.5	106.3
	MEAN LOCATION	-	-	-	63.7	52.2	57.9	66.0	55.6	60.8	107.7
	C.D. AT 5%=	-	-	-	3.6	2.9	3.2	3.2	2.4	2.8	3.5
	C.V. % =	-	-	-	3.3	3.3	-	2.9	2.6	-	1.9
	F (Prob)	-	-	-	.002	.011	-	.001	.006	-	.030

TABLE NO. 49 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST BAJA	KANG	ZN 1 MEAN	PLANT ASPECT * BAJA	KANG	ZN 1 MEAN	EAR ASPECT * BAJA	KANG	ZN 1 MEAN	HUSK COV.* BAJA	UNIFO. * BAJA
1	E H B - 1555	26.7	22.7	24.7	2.7	1.7	2.2	2.7	1.3	2.0	2.2	2.5
2	E H B - 1560	28.6	23.0	25.8	2.2	3.7	2.9	2.0	3.3	2.7	2.3	2.0
3	E H B - 1565	27.3	20.9	24.1	2.7	2.3	2.5	2.7	2.3	2.5	2.3	2.7
4	E H B - 1572	24.2	21.2	22.7	2.3	1.3	1.8	2.5	1.7	2.1	2.2	2.3
5	L - 133	28.1	21.8	25.0	2.5	3.3	2.9	2.5	5.0	3.8	2.5	2.5
6	L - 134	26.9	22.3	24.6	2.8	2.0	2.4	2.5	2.7	2.6	2.0	2.5
7	L - 160	27.5	21.9	24.7	2.5	1.3	1.9	2.5	1.0	1.8	2.2	2.3
8	AMP-1	25.3	21.6	23.4	3.0	2.0	2.5	2.5	3.7	3.1	2.0	3.0
9	AMP-2	28.3	21.9	25.1	2.8	2.7	2.8	2.5	4.3	3.4	2.0	2.7
10	AMP-3	26.2	23.0	24.6	3.0	1.3	2.2	2.5	3.0	2.8	2.0	2.8
	CHECKS:											
11	KH - 510	28.8	21.5	25.2	2.2	1.3	1.8	2.3	4.7	3.5	2.0	2.3
12	LOCAL CHECK	26.9	22.2	24.5	2.5	1.0	1.8	2.5	2.7	2.6	2.0	2.5
13	NAVJOT	28.1	21.8	25.0	2.7	1.7	2.2	2.5	3.3	2.9	2.2	2.7
	MEAN LOCATION	27.1	22.0	24.6	2.6	2.0	2.3	2.5	3.0	2.7	2.1	2.5
	C.D. AT 5%=	1.7	1.5	1.6	0.5	1.5	1.0	0.2	1.7	1.0	0.4	0.3
	C.V. % =	3.7	3.9	-	10.5	46.1	-	5.8	33.8	-	11.6	8.1
	F (Prob)	.000	.133	-	.009	.030	-	.002	.001	-	.276	.001

TABLE NO. 49 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) BAJA	KANG	ZN 1 MEAN	EAR HEIGHT (cm) BAJA	KANG	ZN 1 MEAN	H.turc.* BAJA	H.may.* BAJA	STEM BORER% KANG	EAR NO /PLANT KANG	STAND AT HARVE BAJA	KANG	OV'L MEAN
1	E H B - 1555	138	253	195	56	123	90	2.2	1.0	14.4	1.00	26	24	25
2	E H B - 1560	173	258	216	75	141	108	1.5	1.3	20.4	0.94	32	22	27
3	E H B - 1565	175	257	216	83	128	106	3.0	1.2	12.7	0.85	30	23	27
4	E H B - 1572	182	255	219	73	114	94	3.0	1.0	21.3	0.97	26	24	25
5	L - 133	178	269	223	81	141	111	1.8	1.2	15.9	1.07	28	23	25
6	L - 134	168	252	210	67	124	96	2.8	1.3	24.9	0.87	27	24	26
7	L - 160	196	240	218	90	123	107	2.7	1.0	13.0	1.02	29	21	25
8	AMP-1	223	256	240	115	129	122	2.3	1.0	16.6	0.94	24	25	24
9	AMP-2	199	267	233	101	134	118	2.3	1.5	16.8	0.92	26	22	24
10	AMP-3	216	242	229	116	122	119	3.0	1.8	19.4	0.81	22	25	24
	CHECKS:													
11	KH - 510	165	233	199	62	110	86	2.0	1.5	21.2	0.92	27	24	26
12	LOCAL CHECK	182	238	210	76	110	93	1.8	1.7	23.6	1.01	28	23	25
13	NAVJOT	181	246	214	77	121	99	2.5	1.3	18.0	1.05	27	22	25
	MEAN LOCATION	183	251	217	83	125	104	2.4	1.3	-	-	27	23	25
	C.D. AT 5%=	18.9	31.9	25.4	20.8	16.4	18.6	0.6	0.6	-	-	5.1	7.3	-
	C.V. % =	6.1	7.5	-	15.0	7.8	-	15.7	26.4	-	-	11.1	18.7	-
	F (Prob)	.000	.483	-	.000	.006	-	.000	.084	-	-	.068	.993	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD - 9 VIVEK POON	ALMO	BAJA	KANG	% SUPERIORITY OVER ZN 1 MEAN	THE MEGHA POON	ALMO	BAJA	KANG	ZN 1 MEAN
1	V L - 103	-	-	-	-	-	-	0.12	-	-	-
2	V L - 104	-	-	-	-	-	-	-	-	-	-
3	V L - 105	-	-	-	19.97	-	-	-	-	18.97	-
4	F H - 3235	3.20	-	-	26.31	-	-	-	-	25.26	-
5	F H - 3236	23.91	-	-	23.40	1.94	8.30	12.35	4.35	22.37	11.32
6	F H - 3237	17.08	-	3.44	15.38	1.16	2.33	6.73	20.28	14.42	10.46
7	F H - 3238	14.41	-	9.16	-	-	-	14.19	26.93	-	8.91
8	F H - 3239	11.53	-	15.91	4.96	5.40	-	19.89	34.77	4.09	15.09
9	F H - 3240	-	-	14.51	4.51	-	-	8.65	33.15	3.64	4.82
10	F H - 3242	11.21	-	-	-	-	-	-	16.25	-	0.32
11	F H - 3243	19.96	-	5.78	-	-	4.85	10.66	22.99	-	8.33
12	F H - 3245	33.62	2.54	12.20	-	6.73	16.79	29.42	30.46	-	16.55
13	F H - 3246	29.67	-	14.79	-	5.00	13.34	15.86	33.47	-	14.65
14	F H - 3247	-	-	-	14.95	-	-	6.43	16.19	13.99	5.21
15	F H - 3249	3.20	-	-	13.18	-	-	8.45	4.72	12.23	3.84
16	F H - 3250	13.66	-	3.97	-	-	-	18.37	20.89	-	6.62
17	F H - 3251	27.96	-	-	-	-	11.85	12.16	-	-	3.70
18	F H - 3252	-	-	-	40.71	-	-	-	2.30	39.54	3.33
19	F H - 3257	13.55	-	-	-	-	-	6.03	8.35	-	2.79
20	F H - 3260	-	-	6.24	27.61	-	-	12.05	23.54	26.54	9.00
21	F H - 3262	14.41	-	8.91	-	0.46	-	16.76	26.63	-	9.70
22	F H - 3263	-	-	14.68	-	-	-	0.42	33.35	-	1.86
23	F H - 3266	-	-	-	-	-	-	-	-	-	-
24	F H - 3267	-	-	-	-	-	-	-	-	-	-
25	K - 127	-	-	-	10.04	-	-	6.59	7.18	9.12	1.71
26	L - 165	-	-	-	-	-	-	-	0.94	-	-
27	L - 184	-	-	-	-	-	-	-	5.69	-	-
28	L - 176	-	-	11.54	-	-	-	3.03	29.69	-	-
29	L - 163	6.40	-	-	-	-	-	0.44	-	-	-
30	L - 151	-	-	1.33	-	-	-	-	17.82	-	-
31	N M H - 1704	-	-	-	17.29	-	-	-	13.14	16.31	-
32	N M H - 1704 A	-	-	0.52	-	-	-	-	16.89	-	-
	CHECKS:										
33	HIM -129	-	-	-	-	-	-	-	-	-	-
34	VIVEK -9	-	-	-	-	-	-	26.22	16.28	-	9.20
35	MEGHA	14.41	-	-	0.84	-	-	-	-	-	-
36	LOCAL	2.35	-	-	3.12	-	-	-	-	2.26	-
37	SURYA	-	-	-	-	-	-	-	-	-	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD LOCAL POON	% SUPERIORITY OVER THE ZN 1 MEAN: ALMO	BAJA	KANG	ZN 1 MEAN	SURYA POON	ALMO	BAJA	KANG	ZN 1 MEAN
1	V L - 103	-	67.77	-	-	8.13	18.61	31.16	23.65	12.31	22.71
2	V L - 104	-	43.77	-	-	-	3.42	12.40	16.65	12.03	11.14
3	V L - 105	-	53.07	-	16.34	10.75	11.01	19.67	22.31	58.18	25.69
4	F H - 3235	0.83	48.19	-	22.49	15.62	22.41	15.85	32.69	66.54	31.22
5	F H - 3236	21.06	88.27	9.03	19.67	32.71	46.96	47.19	49.14	62.70	50.61
6	F H - 3237	14.39	78.85	25.68	11.89	31.69	38.86	39.83	71.91	52.13	49.44
7	F H - 3238	11.78	91.35	32.63	-	29.84	35.70	49.60	81.42	17.30	47.35
8	F H - 3239	8.97	100.90	40.83	1.79	37.20	32.28	57.07	92.63	38.39	55.71
9	F H - 3240	-	82.06	39.13	1.35	24.97	-	42.34	90.30	37.80	41.82
10	F H - 3242	8.65	64.14	21.47	-	19.60	31.90	28.33	66.15	16.74	35.73
11	F H - 3243	17.21	85.44	28.52	-	29.15	42.28	44.98	75.79	19.70	46.57
12	F H - 3245	30.55	116.88	36.32	-	38.95	58.48	69.55	86.47	2.11	57.68
13	F H - 3246	26.69	94.14	39.47	-	36.68	53.80	51.78	90.77	19.86	55.11
14	F H - 3247	-	78.35	21.41	11.47	25.43	16.08	39.44	66.07	51.56	42.34
15	F H - 3249	0.83	81.73	9.43	9.76	23.79	22.41	42.08	49.68	49.23	40.48
16	F H - 3250	11.05	98.35	26.33	-	27.11	34.81	55.07	72.79	3.49	44.25
17	F H - 3251	25.03	87.94	4.11	-	23.63	51.77	46.94	42.40	12.24	40.30
18	F H - 3252	-	64.73	6.90	36.46	23.19	11.90	28.79	46.22	85.53	39.80
19	F H - 3257	10.95	77.68	13.22	-	22.54	34.68	38.91	54.86	25.88	39.06
20	F H - 3260	-	87.76	29.09	23.75	29.94	3.67	46.79	76.57	68.25	47.47
21	F H - 3262	11.78	95.65	32.32	-	30.77	35.70	52.96	80.99	17.54	48.41
22	F H - 3263	-	68.28	39.34	-	21.43	11.90	31.56	90.59	17.61	37.81
23	F H - 3266	-	33.81	-	-	0.58	16.58	4.62	11.96	29.94	14.14
24	F H - 3267	-	61.31	-	-	3.91	-	26.12	34.79	13.62	17.92
25	K - 127	-	78.62	12.00	6.71	21.26	13.80	39.65	53.20	45.09	37.61
26	L - 165	-	62.95	5.48	-	9.37	0.51	27.40	44.28	23.75	24.11
27	L - 184	-	59.24	10.43	-	11.15	6.33	24.49	51.05	23.80	26.14
28	L - 176	-	72.66	35.52	-	18.02	5.32	34.99	85.37	6.28	33.94
29	L - 163	3.96	68.31	-	-	9.82	26.20	31.59	29.67	4.80	24.63
30	L - 151	-	53.72	23.11	-	15.77	13.92	20.18	68.40	27.91	31.38
31	N M H - 1704	-	44.01	18.22	13.74	15.34	7.22	12.59	61.71	54.64	30.89
32	N M H - 1704 A	-	46.29	22.14	-	9.65	11.90	14.37	67.06	6.24	24.44
	CHECKS:										
33	HIM -129	-	57.36	-	-	-	-	23.03	7.11	23.05	12.55
34	VIVEK -9	-	111.51	21.50	-	30.18	18.61	65.36	66.19	31.85	47.73
35	MEGHA	11.78	67.57	4.49	-	19.22	35.70	31.01	42.93	32.96	35.29
36	LOCAL	-	-	-	-	-	21.39	-	36.78	35.96	13.48
37	SURYA	-	27.91	-	-	-	-	-	-	-	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN ALMO	BAJA	KANG	SHED ZN 1 MEAN	DAYS TO 50 % SILKING ALMO	BAJA	KANG	ZN 1 MEAN	DAYS TO 50 % DRY HUSK POON	ALMO	BAJA	ZN 1 MEAN
1	V L - 103	51.3	58.3	45.7	51.8	53.0	60.3	49.7	54.3	96.0	94.7	101.3	97.3
2	V L - 104	50.7	62.0	43.0	51.9	52.0	65.0	47.7	54.9	94.3	92.7	102.0	96.3
3	V L - 105	51.3	63.3	45.0	53.2	52.3	65.7	49.7	55.9	99.7	93.7	104.3	99.2
4	F H - 3235	50.3	61.3	45.7	52.4	51.7	63.7	50.0	55.1	93.7	99.3	103.7	98.9
5	F H - 3236	51.3	62.0	43.0	52.1	53.0	64.7	47.3	55.0	97.3	98.3	103.7	99.8
6	F H - 3237	52.3	61.7	47.3	53.8	53.0	64.7	51.7	56.4	89.3	100.3	104.7	98.1
7	F H - 3238	50.3	61.3	48.0	53.2	51.3	64.0	51.3	55.6	95.3	98.0	102.0	98.4
8	F H - 3239	53.7	61.3	46.3	53.8	54.3	64.3	51.3	56.7	95.7	97.7	100.0	97.8
9	F H - 3240	52.7	62.0	45.0	53.2	53.0	65.0	49.0	55.7	89.0	98.7	100.7	96.1
10	F H - 3242	49.3	61.7	42.7	51.2	51.3	64.7	47.3	54.4	94.0	97.3	104.0	98.4
11	F H - 3243	53.0	64.3	48.7	55.3	53.7	67.0	52.0	57.6	89.0	100.7	104.7	98.1
12	F H - 3245	52.0	61.7	47.0	53.6	52.3	64.7	52.3	56.4	95.7	97.7	101.7	98.3
13	F H - 3246	52.3	62.3	45.7	53.4	53.3	65.0	50.3	56.2	94.0	98.7	102.7	98.4
14	F H - 3247	50.7	61.0	45.3	52.3	52.3	63.3	48.7	54.8	97.7	97.0	106.0	100.2
15	F H - 3249	50.7	62.7	47.3	53.6	52.0	65.0	52.3	56.4	89.3	97.0	104.3	96.9
16	F H - 3250	53.3	62.0	47.0	54.1	54.3	65.0	50.7	56.7	96.0	101.7	103.7	100.4
17	F H - 3251	53.7	63.7	50.0	55.8	53.0	66.3	53.3	57.6	95.7	104.7	105.7	102.0
18	F H - 3252	51.0	62.3	41.0	51.4	52.0	65.3	45.7	54.3	93.7	98.7	103.7	98.7
19	F H - 3257	52.0	63.0	48.0	54.3	53.0	65.7	50.3	56.3	90.0	100.0	102.7	97.6
20	F H - 3260	50.3	63.0	40.7	51.3	50.7	65.3	45.3	53.8	93.7	96.7	101.0	97.1
21	F H - 3262	50.0	61.3	44.0	51.8	51.3	64.3	48.3	54.7	90.0	104.7	107.3	100.7
22	F H - 3263	49.7	58.7	51.3	53.2	51.3	60.7	54.7	55.6	88.3	99.0	104.0	97.1
23	F H - 3266	47.3	58.7	47.3	51.1	48.3	61.7	51.3	53.8	88.3	92.7	104.7	95.2
24	F H - 3267	48.0	58.3	54.0	53.4	48.0	61.3	57.3	55.6	88.0	91.3	101.3	93.6
25	K - 127	55.7	64.0	54.3	58.0	56.0	67.0	57.3	60.1	93.3	101.7	108.3	101.1
26	L - 165	54.0	64.0	50.3	56.1	56.0	66.7	54.0	58.9	91.0	98.7	107.0	98.9
27	L - 184	57.0	65.3	47.0	56.4	58.0	68.3	50.7	59.0	93.0	104.3	108.3	101.9
28	L - 176	58.3	68.0	46.3	57.6	59.3	70.3	51.0	60.2	92.0	110.7	108.0	103.6
29	L - 163	52.3	63.7	46.3	54.1	53.7	66.7	52.3	57.6	94.0	99.7	105.7	99.8
30	L - 151	57.0	65.3	45.0	55.8	58.3	68.7	49.0	58.7	83.7	110.7	108.0	100.8
31	N M H - 1704	55.3	65.7	51.7	57.6	56.3	68.3	56.0	60.2	92.3	105.0	108.0	101.8
32	N M H - 1704 A	55.7	65.7	50.7	57.3	56.7	67.7	54.3	59.6	83.0	106.0	107.7	98.9
	CHECKS:												
33	HIM -129	49.3	61.0	53.7	54.7	50.0	63.0	56.7	56.6	91.3	94.3	103.0	96.2
34	VIVEK -9	49.0	60.3	44.3	51.2	49.7	62.7	48.7	53.7	89.3	98.3	106.7	98.1
35	MEGHA	55.7	64.7	47.0	55.8	56.7	66.7	51.3	58.2	91.3	101.7	102.0	98.3
36	LOCAL	51.0	66.3	46.3	54.6	52.7	68.3	51.0	57.3	96.3	86.7	111.7	98.2
37	SURYA	51.0	65.3	43.0	53.1	52.7	67.7	48.3	56.2	83.7	95.0	106.3	95.0
	MEAN LOCATION	52.1	62.6	46.9	53.9	53.2	65.3	51.0	56.5	92.1	99.0	104.6	98.6
	C.D. AT 5%=	1.3	1.5	4.9	2.6	1.4	1.7	4.5	2.5	10.7	2.0	2.7	5.2
	C.V. % =	1.6	1.4	6.5	-	1.6	1.6	5.4	-	7.1	1.2	1.6	-
	F (Prob)	.000	.000	.000	-	.000	.000	.000	-	.381	.000	.000	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *					EAR ASPECT *				
		ALMO	BAJA	KANG	ZN 1 MEAN	POON	ALMO	BAJA	KANG	ZN 1 MEAN	POON	ALMO	BAJA	KANG	ZN 1 MEAN
1	V L - 103	31.7	23.3	23.0	26.0	2.3	2.5	2.5	1.0	2.1	2.3	2.6	2.3	4.7	3.0
2	V L - 104	31.4	23.5	23.3	26.1	2.7	2.9	2.7	1.3	2.4	2.7	2.6	2.5	4.3	3.0
3	V L - 105	29.9	21.6	24.4	25.3	2.3	2.9	2.7	2.0	2.5	2.7	2.7	2.5	2.3	2.5
4	F H - 3235	32.6	24.4	23.6	26.9	2.3	2.7	2.8	1.0	2.2	2.3	2.5	2.5	2.0	2.3
5	F H - 3236	32.5	26.3	22.7	27.1	1.7	2.5	2.3	1.7	2.0	2.0	2.4	2.2	2.0	2.1
6	F H - 3237	30.8	24.0	25.2	26.7	1.7	2.5	2.7	2.7	2.4	2.0	2.5	2.3	2.0	2.2
7	F H - 3238	31.7	22.3	23.7	25.9	2.0	2.6	2.3	3.3	2.6	2.3	2.5	2.3	4.0	2.8
8	F H - 3239	31.2	21.8	23.8	25.6	1.7	2.3	2.0	2.7	2.2	2.3	2.3	2.3	3.7	2.7
9	F H - 3240	31.3	27.6	27.0	28.6	2.7	2.4	2.3	1.7	2.3	3.0	2.4	2.3	2.7	2.6
10	F H - 3242	36.1	24.3	23.4	27.9	2.0	2.9	2.3	2.7	2.5	2.3	2.6	2.5	4.3	2.9
11	F H - 3243	33.6	28.2	24.5	28.7	1.7	2.7	2.2	1.7	2.1	2.3	2.5	2.2	4.0	2.8
12	F H - 3245	33.4	21.9	25.0	26.8	1.7	2.2	2.2	2.0	2.0	2.0	2.3	2.2	4.7	2.8
13	F H - 3246	32.3	23.5	25.2	27.0	1.7	2.4	2.2	2.0	2.1	2.0	2.3	2.2	3.7	2.5
14	F H - 3247	33.1	23.2	22.3	26.2	2.0	2.5	2.3	2.0	2.2	2.7	2.4	2.5	2.7	2.6
15	F H - 3249	34.6	29.1	22.4	28.7	2.3	2.4	2.3	2.0	2.3	2.3	2.4	2.3	2.7	2.4
16	F H - 3250	35.2	26.0	22.3	27.8	2.0	2.5	2.2	1.3	2.0	2.3	2.3	2.3	5.0	3.0
17	F H - 3251	32.5	25.8	26.4	28.2	1.3	2.7	2.5	1.0	1.9	2.3	2.5	2.2	4.0	2.8
18	F H - 3252	35.3	25.5	23.1	28.0	2.0	2.6	2.5	2.0	2.3	2.7	2.5	2.3	1.3	2.2
19	F H - 3257	34.9	22.2	23.7	26.9	2.0	2.9	2.3	4.0	2.8	2.3	2.6	2.5	3.7	2.8
20	F H - 3260	31.9	25.1	20.4	25.8	2.3	2.6	2.0	2.0	2.2	2.7	2.4	2.0	1.7	2.2
21	F H - 3262	33.6	24.8	20.3	26.2	2.0	2.4	2.5	2.0	2.2	2.0	2.4	2.2	4.7	2.8
22	F H - 3263	34.0	23.6	25.4	27.7	1.7	2.9	2.2	2.0	2.2	2.7	2.5	2.3	4.0	2.9
23	F H - 3266	30.2	25.2	26.1	27.2	2.0	2.9	2.5	2.7	2.5	2.7	2.8	2.5	3.7	2.9
24	F H - 3267	30.6	23.2	23.4	25.7	2.3	2.8	2.5	3.0	2.7	3.3	2.5	2.5	4.3	3.2
25	K - 127	36.4	23.8	24.2	28.1	2.3	2.7	3.0	3.0	2.8	2.7	2.4	2.5	3.0	2.7
26	L - 165	35.1	26.5	25.1	28.9	2.3	2.7	2.5	2.7	2.5	3.0	2.4	2.0	4.0	2.8
27	L - 184	36.0	24.6	22.6	27.7	2.3	2.7	2.7	1.7	2.3	2.7	2.6	2.7	4.0	3.0
28	L - 176	38.5	27.3	23.2	29.6	2.7	2.8	2.5	3.0	2.7	2.7	2.5	2.3	4.7	3.0
29	L - 163	33.2	25.3	23.3	27.2	1.7	2.6	2.5	1.7	2.1	2.7	2.4	2.3	4.7	3.0
30	L - 151	37.1	27.1	26.0	30.1	2.0	2.7	2.5	1.0	2.0	2.7	2.5	2.3	3.3	2.7
31	N M H - 1704	36.2	26.4	23.3	28.6	2.3	2.6	2.5	2.7	2.5	3.0	2.5	2.2	2.3	2.5
32	N M H - 1704 A	36.5	27.4	26.7	30.2	2.0	2.8	2.0	1.7	2.1	3.0	2.5	2.2	4.3	3.0
	CHECKS:														
33	HIM -129	30.2	22.0	27.4	26.5	2.7	2.9	2.7	1.7	2.5	3.0	2.5	2.5	3.7	2.9
34	VIVEK -9	33.0	24.7	21.4	26.3	2.3	2.3	2.5	1.3	2.1	2.7	2.3	2.2	3.7	2.7
35	MEGHA	34.8	24.3	21.7	26.9	2.3	2.6	2.7	2.7	2.6	2.3	2.6	2.3	3.7	2.7
36	LOCAL	27.0	27.0	22.5	25.5	2.0	3.1	2.5	1.3	2.2	3.0	2.8	2.5	3.7	3.0
37	SURYA	28.9	24.1	24.6	25.9	2.3	2.8	3.0	1.7	2.5	2.7	2.7	3.0	4.7	3.3
	MEAN LOCATION	33.2	24.8	23.9	27.3	2.1	2.6	2.4	2.0	2.3	2.5	2.5	2.4	3.6	2.7
	C.D. AT 5%=	1.8	1.9	2.3	2.0	1.0	0.2	0.3	1.3	0.7	0.7	0.2	0.4	1.1	0.6
	C.V. % =	3.3	4.8	5.8	-	28.4	5.0	8.4	39.4	-	17.9	4.0	9.6	18.8	-
	F (Prob)	.000	.000	.000	-	.508	.000	.000	.001	-	.040	.000	.003	.000	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	HUSK COVER *				UNIFORMITY *				PLANT HEIGHT (cm)				
		POON	ALMO	BAJA	ZN 1 MEAN	POON	ALMO	BAJA	ZN 1 MEAN	POON	ALMO	BAJA	KANG	ZN 1 MEAN
1	V L - 103	2.3	2.0	2.3	2.2	2.7	2.7	2.5	2.6	208	224	175	227	208
2	V L - 104	2.0	2.0	2.5	2.2	3.0	2.8	2.5	2.8	220	223	163	238	211
3	V L - 105	2.0	1.8	2.5	2.1	2.7	2.9	3.0	2.8	215	256	168	249	222
4	F H - 3235	2.0	1.8	2.2	2.0	2.3	2.5	2.0	2.3	197	195	153	240	196
5	F H - 3236	1.7	1.9	2.2	1.9	2.0	2.3	2.0	2.1	177	211	162	231	195
6	F H - 3237	2.0	2.5	2.7	2.4	2.3	2.6	2.0	2.3	206	218	158	246	207
7	F H - 3238	2.0	2.3	2.3	2.2	2.3	2.5	2.0	2.3	188	219	158	243	202
8	F H - 3239	2.0	1.8	2.2	2.0	2.7	2.4	2.0	2.4	207	228	172	248	214
9	F H - 3240	2.3	2.2	2.3	2.3	2.7	2.5	2.2	2.4	217	228	192	237	218
10	F H - 3242	2.0	1.9	2.2	2.0	2.7	2.6	2.2	2.5	214	209	180	237	210
11	F H - 3243	2.0	1.9	2.3	2.1	2.3	2.4	2.2	2.3	217	221	188	238	216
12	F H - 3245	2.0	1.9	2.3	2.1	2.0	2.3	2.2	2.1	197	235	177	237	211
13	F H - 3246	2.0	2.5	2.3	2.3	2.0	2.6	2.2	2.3	211	239	175	231	214
14	F H - 3247	2.0	1.7	2.2	2.0	2.7	2.6	2.0	2.4	187	215	158	240	200
15	F H - 3249	2.0	1.6	2.5	2.0	2.3	2.7	2.0	2.3	189	217	160	251	204
16	F H - 3250	2.0	1.7	2.0	1.9	2.3	2.6	2.0	2.3	213	231	177	232	213
17	F H - 3251	2.0	2.9	2.8	2.6	2.3	2.8	2.0	2.4	217	229	190	227	216
18	F H - 3252	2.0	2.5	2.5	2.3	3.0	2.6	2.3	2.6	185	211	157	248	200
19	F H - 3257	2.0	1.8	2.2	2.0	2.3	2.5	2.0	2.3	178	198	167	263	201
20	F H - 3260	2.0	2.5	2.5	2.3	3.0	2.7	2.2	2.6	207	219	182	254	215
21	F H - 3262	2.0	2.1	2.3	2.1	2.3	2.5	2.0	2.3	225	224	183	217	213
22	F H - 3263	2.0	1.8	2.3	2.0	3.0	2.5	2.3	2.6	211	218	180	241	213
23	F H - 3266	2.0	2.5	2.7	2.4	3.0	2.5	2.2	2.6	182	205	160	242	197
24	F H - 3267	2.7	2.5	2.3	2.5	3.0	2.6	2.0	2.5	215	206	162	252	209
25	K - 127	2.0	1.6	2.3	2.0	2.7	2.8	2.3	2.6	215	249	187	258	227
26	L - 165	2.0	2.5	2.5	2.3	3.0	2.9	2.5	2.8	189	238	183	244	214
27	L - 184	2.0	1.9	2.5	2.1	2.7	2.9	2.7	2.8	221	239	178	250	222
28	L - 176	2.0	2.5	2.3	2.3	2.7	2.9	2.5	2.7	225	253	182	238	224
29	L - 163	2.0	1.9	2.3	2.1	2.7	2.9	2.7	2.8	233	251	187	232	226
30	L - 151	2.0	1.9	2.2	2.0	3.0	2.8	2.5	2.8	212	240	190	228	217
31	N M H - 1704	2.3	1.8	2.0	2.0	3.0	2.7	2.2	2.6	194	226	158	257	209
32	N M H - 1704 A	2.0	1.8	2.0	1.9	3.0	2.6	2.2	2.6	183	212	152	225	193
	CHECKS:													
33	HIM -129	2.0	2.4	2.7	2.4	3.0	2.8	2.3	2.7	179	209	172	235	199
34	VIVEK -9	2.0	2.5	2.5	2.3	2.7	2.2	2.3	2.4	217	221	177	225	210
35	MEGHA	2.0	1.7	2.5	2.1	2.5	3.0	2.5	2.7	223	263	187	246	230
36	LOCAL	2.0	1.9	2.3	2.1	2.7	2.9	2.7	2.7	236	230	197	236	225
37	SURYA	2.3	1.8	2.2	2.1	3.0	2.8	2.8	2.9	200	232	175	230	209
	MEAN LOCATION	2.0	2.1	2.4	2.2	2.6	2.6	2.3	2.5	206	225	174	240	211
	C.D. AT 5%=	0.4	0.2	0.4	0.3	0.7	0.2	0.3	0.4	27.2	11.7	15.7	20.2	18.7
	C.V. % =	11.4	6.3	10.2	-	15.2	4.6	8.7	-	8.1	3.2	5.6	5.2	-
	F (Prob)	.107	.000	.007	-	.010	.000	.000	-	.000	.000	.000	.003	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) POON	ALMO	BAJA	KANG	ZN 1 MEAN	H.turcicum * ALMO	BAJA	ZN 1 MEAN	H.maydis * ALMO	BAJA	ZN 1 MEAN
1	V L - 103	105	112	83	102	100	1.0	1.8	1.4	1.3	1.5	1.4
2	V L - 104	106	106	67	105	96	1.2	2.7	1.9	1.7	1.3	1.5
3	V L - 105	112	117	65	111	101	1.2	2.7	1.9	1.8	1.8	1.8
4	F H - 3235	99	100	67	101	92	1.0	1.5	1.3	1.0	1.0	1.0
5	F H - 3236	98	105	73	109	97	1.2	1.8	1.5	1.3	1.5	1.4
6	F H - 3237	112	109	77	123	105	1.0	1.8	1.4	1.0	1.3	1.2
7	F H - 3238	113	122	75	127	109	1.0	1.8	1.4	1.4	1.3	1.4
8	F H - 3239	96	105	75	122	99	1.0	1.5	1.3	1.3	1.0	1.2
9	F H - 3240	116	116	83	109	106	1.0	1.5	1.3	1.0	1.0	1.0
10	F H - 3242	111	103	93	122	107	1.0	1.8	1.4	1.3	1.0	1.1
11	F H - 3243	101	107	82	110	100	1.0	1.8	1.4	1.0	1.0	1.0
12	F H - 3245	87	103	82	114	96	1.0	1.5	1.3	1.1	1.0	1.0
13	F H - 3246	107	113	78	114	103	1.0	1.7	1.3	1.0	1.0	1.0
14	F H - 3247	79	106	62	117	91	1.2	1.8	1.5	1.0	1.0	1.0
15	F H - 3249	81	103	67	112	91	1.0	1.8	1.4	1.3	1.0	1.2
16	F H - 3250	114	122	82	110	107	1.3	1.5	1.4	1.1	1.0	1.0
17	F H - 3251	126	123	93	104	112	1.0	1.7	1.3	1.0	1.2	1.1
18	F H - 3252	102	109	72	118	100	1.0	1.5	1.3	1.0	1.3	1.2
19	F H - 3257	87	98	77	135	99	1.0	1.5	1.3	1.0	1.2	1.1
20	F H - 3260	124	104	87	116	108	1.0	1.8	1.4	1.0	1.0	1.0
21	F H - 3262	101	113	87	114	104	1.1	2.5	1.8	1.0	1.3	1.2
22	F H - 3263	108	103	73	120	101	1.0	2.2	1.6	2.6	1.5	2.0
23	F H - 3266	97	105	75	122	100	1.3	2.7	2.0	1.5	1.0	1.3
24	F H - 3267	108	108	82	125	106	1.0	1.8	1.4	1.3	1.3	1.3
25	K - 127	115	128	78	127	112	1.0	1.8	1.4	1.9	1.2	1.5
26	L - 165	101	113	88	123	107	1.1	2.2	1.6	1.3	1.5	1.4
27	L - 184	131	135	92	114	118	1.0	2.2	1.6	1.6	1.5	1.5
28	L - 176	123	138	92	125	119	1.2	1.5	1.3	1.9	1.3	1.6
29	L - 163	122	130	90	110	113	1.2	2.3	1.8	1.8	1.7	1.7
30	L - 151	111	117	95	101	106	1.4	2.7	2.0	1.8	1.7	1.7
31	N M H - 1704	106	110	72	123	103	1.0	1.8	1.4	1.1	1.3	1.2
32	N M H - 1704 A	99	107	70	114	97	1.2	1.8	1.5	1.3	1.3	1.3
	CHECKS:											
33	HIM -129	89	100	72	112	93	1.3	2.2	1.7	1.4	1.3	1.4
34	VIVEK -9	100	99	75	102	94	1.0	2.0	1.5	1.0	1.7	1.3
35	MEGHA	126	136	105	120	122	1.0	1.8	1.4	1.3	1.3	1.3
36	LOCAL	124	114	97	109	111	1.9	2.2	2.0	1.9	1.3	1.6
37	SURYA	109	113	93	110	106	1.5	2.5	2.0	1.5	1.3	1.4
	MEAN LOCATION	107	112	80	115	104	1.1	1.9	1.5	1.3	1.3	1.3
	C.D. AT 5%=	20.3	10.0	16.3	13.9	15.1	0.3	0.5	0.4	0.3	0.4	0.4
	C.V. % =	11.7	5.5	12.4	7.4	-	16.1	15.2	-	13.8	20.8	-
	F (Prob)	.000	.000	.000	.000	-	.000	.000	-	.000	.001	-

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	PHYSO. * ALMO	STEM BORER % KANG	EAR NO./PLANT ALMO	KANG	ZN 1 MEAN	STAND AT HARVEST ALMO	BAJA	KANG	ZN 1 MEAN
1	V L - 103	1.7	15.7	1.04	0.99	1.02	22	27	24	24
2	V L - 104	1.5	18.1	1.07	0.90	0.98	20	29	27	25
3	V L - 105	1.7	25.3	1.05	0.82	0.93	21	29	27	26
4	F H - 3235	1.6	18.0	1.00	0.98	0.99	23	29	27	26
5	F H - 3236	1.5	13.3	1.00	1.12	1.06	21	30	27	26
6	F H - 3237	2.0	18.7	1.03	0.83	0.93	22	28	27	26
7	F H - 3238	1.7	40.2	1.02	0.99	1.01	22	29	24	25
8	F H - 3239	1.9	17.7	1.08	0.90	0.99	20	32	25	25
9	F H - 3240	2.1	17.6	1.09	0.93	1.01	22	30	30	27
10	F H - 3242	1.6	20.1	1.03	1.04	1.04	20	31	28	27
11	F H - 3243	1.7	27.9	1.08	0.94	1.01	22	28	28	26
12	F H - 3245	1.7	10.5	1.00	0.77	0.88	21	30	25	25
13	F H - 3246	1.8	20.1	1.12	1.03	1.08	23	28	29	27
14	F H - 3247	1.5	15.3	1.03	0.81	0.92	21	28	26	25
15	F H - 3249	1.6	19.5	1.04	0.93	0.98	22	27	30	26
16	F H - 3250	1.9	26.0	1.04	1.00	1.02	19	30	30	26
17	F H - 3251	1.9	17.8	1.03	0.91	0.97	20	28	26	25
18	F H - 3252	1.7	18.0	1.07	0.79	0.93	23	28	29	27
19	F H - 3257	1.6	17.5	1.00	1.24	1.12	20	30	26	25
20	F H - 3260	1.9	16.2	1.00	0.88	0.94	19	28	31	26
21	F H - 3262	1.8	29.0	1.00	1.08	1.04	22	28	22	24
22	F H - 3263	1.5	17.9	1.00	1.01	1.00	22	29	27	26
23	F H - 3266	1.8	11.4	0.99	0.81	0.90	22	26	27	25
24	F H - 3267	1.4	16.5	1.02	0.87	0.94	21	26	25	24
25	K - 127	1.9	29.1	1.03	1.02	1.03	22	27	28	26
26	L - 165	2.0	10.9	1.00	0.85	0.92	20	27	23	24
27	L - 184	1.9	21.1	0.97	1.03	1.00	21	26	24	24
28	L - 176	1.6	24.8	1.00	0.94	0.97	22	30	28	27
29	L - 163	1.9	20.6	1.00	1.06	1.03	22	29	26	26
30	L - 151	1.8	8.7	1.00	0.86	0.93	19	28	25	24
31	N M H - 1704	1.7	12.4	1.00	0.96	0.98	20	28	29	26
32	N M H - 1704 A	1.9	20.1	1.10	0.88	0.99	20	30	22	24
	CHECKS:									
33	HIM -129	1.5	18.1	0.94	0.99	0.96	20	28	28	25
34	VIVEK -9	1.5	14.0	1.05	0.89	0.97	22	27	26	25
35	MEGHA	1.7	17.8	1.02	0.84	0.93	22	29	28	26
36	LOCAL	1.7	12.7	1.05	0.82	0.93	22	29	26	26
37	SURYA	1.9	18.4	1.00	1.01	1.00	20	27	22	23
	MEAN LOCATION	1.7	-	-	-	-	21	29	27	25
	C.D. AT 5%=	0.5	-	-	-	-	2.6	2.9	6.3	3.9
	C.V. % =	17.3	-	-	-	-	7.6	6.2	14.6	-
	F (Prob)	.617	-	-	-	-	.052	.012	.340	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 51

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA IN TRIAL No. TR201 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	POLL. SHED 50% LUDH	SILK -ING 50% LUDH	DRY HUSK 50% LUDH	MOIST -URE % LUDH	PLANT HT. (cm) LUDH	EAR HT. (cm) LUDH	EAR NO./ PLANT LUDH	STAND AT HARV. LUDH
1	A H - 17053	5538	13	50.0	51.8	85.3	23.9	165	80	0.98	35
2	A H - 17069	5195	15	49.3	51.3	90.8	22.8	159	81	0.98	37
3	A H - 1418	5741	10	52.3	54.3	89.8	24.8	171	84	0.99	33
4	HKH - 1129	4240	17	59.3	60.5	90.8	26.3	133	65	0.99	18
5	HKH - 1168	4413	16	56.5	60.0	90.8	25.8	133	61	0.96	17
6	HKH - 1201	6266	9	49.0	50.3	82.3	22.1	145	68	0.97	37
7	HKH - 1217	5707	11	56.3	58.8	90.3	31.6	158	75	0.99	31
8	HKH - 1220	3783	18	56.5	59.0	91.3	36.5	139	71	1.02	34
9	J CY2 (COMP.)	6297	8	53.0	55.8	90.0	25.9	171	80	1.05	34
10	J H - 10503	7344	4	57.5	60.0	91.0	23.3	170	83	0.99	37
11	J H - 10489	6548	6	55.8	57.3	88.5	25.9	176	84	1.00	35
12	J H - 10457	6990	5	53.3	55.8	88.8	23.6	166	85	0.95	36
13	J H - 10458	7682	3	52.5	54.8	88.5	25.0	171	90	0.97	35
14	J H - 10432	8002	1	54.0	56.3	89.8	25.6	178	90	0.97	37
	CHECKS:										
15	DECCAN - 103	5680	12	50.8	53.0	89.3	26.5	183	91	0.99	37
16	P R O - 311	7868	2	54.0	56.3	89.5	23.7	171	91	1.02	31
17	BIO - 9681	6508	7	51.8	53.8	87.8	24.9	183	84	1.02	33
18	GANGA - 11	5210	14	55.8	58.3	90.5	24.5	175	79	0.99	35
	MEAN YIELD=	6056		53.7	55.9	89.1	25.7	164	80	0.99	33
	MEAN STAND	33		-	-	-	-	-	-		-
	C.D. AT 5%=	1705		2.8	2.9	2.5	2.1	14.1	14.0	0.1	5.7
	C.V. % =	19.85		3.7	3.7	2.0	5.8	6.1	12.3	5.6	12.3
	F (Prob)	.000		.000	.000	.000	.000	.000	.001	.720	.000
	PLOT SIZE=	5.20									

AGRONOMY DATA:

SOWING DATE(2002) 11-07 HARVEST DATE(2002) 10-10

IRRIGATION Nos 8

FERTILIZER APPLIED N 125 : P 60 : K 30

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 50

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH, ALMORA, BAJAURA, KANGRA, IN TRIAL No. TR102 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 1		GRAIN YIELD % SUPERIORITY OVER THE HIM -129				ZN 1
		POON	R	ALMO	R	BAJA	R	KANG	R	MEAN	R	POON	ALMO	BAJA	KANG	MEAN
1	V L - 103	4899	18	7430	21	4911	32	3737	29	5244	31	24.93	6.62	15.44	-	9.03
2	V L - 104	4272	32	6367	34	4633	34	3727	31	4750	36	8.93	-	8.90	-	-
3	V L - 105	4586	27	6779	30	4858	33	5263	5	5372	27	16.93	-	14.19	28.55	11.68
4	F H - 3235	5056	16	6563	31	5271	30	5541	3	5608	24	28.93	-	23.88	35.34	16.59
5	F H - 3236	6071	4	8338	8	5924	23	5414	4	6436	4	54.80	19.64	39.24	32.22	33.82
6	F H - 3237	5736	6	7921	14	6828	12	5062	7	6387	5	46.27	13.66	60.49	23.63	32.78
7	F H - 3238	5605	7	8474	7	7206	7	3903	26	6297	9	42.93	21.60	69.37	-	30.92
8	F H - 3239	5464	12	8897	3	7651	1	4605	11	6654	2	39.33	27.67	79.83	12.47	38.35
9	F H - 3240	4037	35	8063	12	7559	4	4585	12	6061	13	2.93	15.70	77.67	11.99	26.01
10	F H - 3242	5448	13	7269	24	6599	16	3884	27	5800	20	38.93	4.31	55.12	-	20.60
11	F H - 3243	5877	5	8213	11	6982	10	3983	23	6264	10	49.87	17.85	64.12	-	30.23
12	F H - 3245	6546	1	9605	1	7406	5	3398	36	6739	1	66.93	37.82	74.08	-	40.10
13	F H - 3246	6353	2	8598	6	7577	2	3988	22	6629	3	62.00	23.37	78.09	-	37.82
14	F H - 3247	4795	21	7899	16	6596	17	5043	8	6083	12	22.27	13.34	55.04	23.17	26.47
15	F H - 3249	5056	15	8048	13	5945	22	4965	9	6004	14	28.93	15.48	39.74	21.27	24.82
16	F H - 3250	5569	10	8784	4	6863	11	3444	35	6165	11	42.00	26.05	61.32	-	28.17
17	F H - 3251	6269	3	8323	9	5656	27	3735	30	5996	15	59.87	19.44	32.94	-	24.66
18	F H - 3252	4622	24	7295	23	5808	24	6173	1	5975	16	17.87	4.68	36.51	50.77	24.22
19	F H - 3257	5563	11	7869	17	6151	19	4189	18	5943	17	41.87	12.91	44.58	2.30	23.56
20	F H - 3260	4282	31	8315	10	7013	9	5598	2	6302	8	9.20	19.32	64.84	36.73	31.03
21	F H - 3262	5605	8	8665	5	7189	8	3911	25	6342	6	42.93	24.33	68.97	-	31.87
22	F H - 3263	4622	25	7453	20	7570	3	3913	24	5890	18	17.87	6.94	77.93	-	22.45
23	F H - 3266	4816	20	5926	35	4447	35	4324	16	4878	33	22.80	-	4.53	5.60	1.42
24	F H - 3267	3880	37	7144	26	5354	29	3780	28	5039	32	-	2.51	25.84	-	4.77

TABLE NO. 50 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 1 MEAN	R	GRAIN YIELD THE HIM -129	% SUPERIORITY OVER			ZN 1 MEAN
		POON	R	ALMO	R	BAJA	R	KANG	R			POON	ALMO	BAJA	KANG	
25	K - 127	4701	23	7911	15	6085	20	4827	10	5881	19	19.87	13.51	43.02	17.91	22.27
26	L - 165	4152	33	7217	25	5731	25	4118	20	5304	30	5.87	3.55	34.69	0.57	10.28
27	L - 184	4392	29	7052	27	6000	21	4119	19	5391	26	12.00	1.19	41.02	0.61	12.08
28	L - 176	4350	30	7646	18	7363	6	3536	32	5724	22	10.93	9.72	73.06	-	19.01
29	L - 163	5213	14	7454	19	5150	31	3487	34	5326	28	32.93	6.96	21.06	-	10.73
30	L - 151	4706	22	6808	29	6689	13	4256	17	5615	23	20.00	-	57.21	3.95	16.73
31	N M H - 1704	4429	28	6378	33	6423	18	5145	6	5594	25	12.93	-	50.97	25.67	16.30
32	N M H - 1704 A	4622	26	6479	32	6636	14	3535	33	5318	29	17.87	-	55.97	-	10.56
	CHECKS:															
33	HIM -129	3922	36	6969	28	4254	36	4094	21	4810	35	-	-	-	-	-
34	VIVEK -9	4899	19	9367	2	6601	15	4387	15	6314	7	24.93	34.41	55.15	7.15	31.27
35	MEGHA	5605	9	7421	22	5677	26	4424	14	5782	21	42.93	6.49	33.44	8.05	20.21
36	LOCAL	5014	17	4429	37	5433	28	4524	13	4850	34	27.87	-	27.70	10.49	0.83
37	SURYA	4131	34	5665	36	3972	37	3327	37	4274	37	5.33	-	-	-	-
	MEAN YIELD=	5004		7541		6162		4323		5758						
	MEAN STAND	-		21		29		27		25						
	C.D. AT 5%=	1629		1198		943		776		1136						
	C.V. % =	19.99		9.76		9.40		11.03		-						
	F (Prob)	.064		.000		.000		.000		-						
	PLOT SIZE=	6.00		3.60		4.80		4.80		-						
	AGRONOMY DATA:															
	SOW. DATE(2002)	19-06		6-07		5-07		14-06		-						
	HAR. DATE(2002)	3-11		27-10		9-11		19-09		-						
	IRRIGATION Nos	-		-		2		-		-						
	FERTILI. APPL.N	-		80		120		80		-						
	P	-		60		60		60		-						
	K	-		40		40		40		-						

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 30%) : UMIA 77.1%

TABLE NO. 52

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA IN TRIAL No. TR202 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	POLL. SHED 50% LUDH	SILK -ING 50% LUDH	DRY HUSK 50% LUDH	MOIST -URE % LUDH	PLANT HT. (cm) LUDH	EAR HT. (cm) LUDH	EAR NO./ PLANT LUDH	STAND AT HARV LUDH
1	R - 9906	4428	8	53.3	55.0	91.3	23.0	159	71	1.26	33
2	R - 9907	4257	9	52.5	53.5	92.3	21.8	150	66	1.02	29
3	J H - 10393	7510	1	60.0	62.5	96.7	23.4	165	69	1.03	37
4	J H - 10362	7457	2	56.0	58.0	91.3	23.8	168	76	1.09	34
5	HKH - 1178	3960	10	52.0	53.3	89.7	21.6	123	58	1.02	38
6	HKH - 1194	3792	13	53.0	54.5	88.3	22.3	133	51	1.01	29
7	HKH - 1200	5928	3	53.8	56.0	90.3	23.3	144	74	1.08	36
8	HKH - 1204	3796	12	52.8	54.8	86.3	22.6	136	68	1.01	32
9	HKH - 1211	5574	4	54.8	57.0	94.3	23.2	138	69	1.17	38
10	A H - 1404	3625	15	55.3	57.5	91.7	22.9	141	65	1.19	32
11	A H - 16030	4744	6	52.8	54.3	90.3	22.9	136	65	1.10	36
12	A H - 16118	4595	7	54.0	55.3	94.3	23.5	153	64	0.95	34
13	A H - 17043	3758	14	52.5	54.0	91.0	22.5	131	55	0.96	30
	CHECKS:										
14	NAVJOT	3932	11	54.3	55.8	89.3	22.3	159	73	1.03	29
15	DECCAN - 107	3075	16	55.3	57.3	91.3	21.8	155	66	1.07	35
16	K H - 510	5251	5	53.5	55.3	91.7	22.5	146	61	1.12	38
	MEAN YIELD=	4730		54.1	55.9	91.3	22.7	146	66	-	34
	MEAN STAND	34		-	-	-	-	-	-	-	-
	C.D. AT 5%=	1315		2.5	2.7	3.2	0.6	12.2	13.1	-	6.4
	C.V. % =	19.54		3.2	3.4	2.5	1.9	5.9	14.0	-	13.3
	F (Prob)	.000		.000	.000	.000	.000	.000	.022	-	.016
	PLOT SIZE=	5.20									

AGRONOMY DATA:

SOWING DATE(2002) 11-07 HARVEST DATE (2002) 10-10

IRRIGATION Nos 8

FERTILIZER APPLIED N 125 : P 60 : K 30

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 53

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA IN TRIAL No. TR203 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	POLL. SHED 50% LUDH	SILK -ING 50% LUDH	DRY HUSK 50% LUDH	MOIST -URE % LUDH	PLANT HT. (cm) LUDH	EAR HT. (cm) LUDH	EAR NO./ PLANT LUDH	STAND AT HARV LUDH
1	R - 9904(RETESTING)	4338	7	50.3	52.3	83.0	22.8	151	88	1.00	38
2	R - 9905(RETESTING)	4173	8	49.3	50.5	81.5	22.9	146	80	0.91	39
3	J H - 31005	5727	1	50.5	51.8	82.5	22.3	133	74	0.84	40
4	HKH - 1186	3591	12	50.0	52.8	82.3	23.0	135	68	0.99	42
5	HKH - 1187	3365	13	49.8	52.3	81.8	22.6	139	68	0.92	38
6	HKH - 1189	3152	15	46.5	47.5	78.3	22.1	131	73	0.94	39
7	HKH - 1172	4436	4	47.0	48.8	79.8	22.8	151	85	0.88	40
8	HKH - 1173	3993	10	48.3	49.5	75.5	22.2	134	71	0.96	39
9	A H - 16108	5104	3	50.8	53.0	83.5	22.8	159	94	0.86	39
10	A H - 16116	3711	11	51.8	53.5	84.0	23.0	158	93	0.93	41
11	A H - 16144	4345	5	48.8	50.3	81.3	23.3	151	80	1.01	41
12	A H - 17067	4091	9	50.8	53.0	83.0	23.3	136	75	0.95	40
	CHECKS:										
13	MAHI KANCHAN	4339	6	49.0	51.0	80.0	22.6	153	85	0.92	39
14	MEGHA	3260	14	48.3	50.8	79.5	23.0	154	86	0.95	31
15	X - 3342	5487	2	48.3	49.8	71.8	23.3	155	86	0.94	40
	MEAN YIELD=	4208		49.3	51.1	80.5	22.8	146	80	0.93	39
	MEAN STAND	39		-	-	-	-	-	-	-	-
	C.D. AT 5%=	1686		1.6	2.1	6.7	0.3	14.7	13.8	0.1	3.8
	C.V. % =	28.12		2.3	2.9	5.8	0.9	7.1	12.1	8.9	6.8
	F (Prob)	.030		.000	.000	.045	.000	.000	.002	.231	.001
	PLOT SIZE=	5.20									

AGRONOMY DATA:

SOWING DATE(2002) 12-07 HARVEST DATE(2002) 14-10

IRRIGATION Nos -

FERTILIZER APPLIED N 80 : P 40 : K -

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 54

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT LUDHIANA IN TRIAL No. TR204 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE LUDH	R	POLL. SHED 50% LUDH	SILK -ING 50% LUDH	DRY HUSK 50% LUDH	MOIST -URE % LUDH	PLANT HT. (cm) LUDH	EAR HT. (cm) LUDH	EAR NO./ PLANT LUDH	STAND AT HARV LUDH
1	HKH - 1175	2450	9	50.8	53.5	76.3	22.2	110	45	0.93	38
2	HKH - 1179	2980	3	48.8	50.3	79.0	22.3	106	58	0.91	39
3	HKH - 1180	2677	7	51.8	54.0	83.0	23.0	123	68	0.85	37
4	HKH - 1181	2966	4	51.0	54.8	84.8	23.3	116	59	0.96	35
5	HKH - 1184	2789	6	50.0	54.5	84.5	23.0	113	61	0.92	36
6	A H - 16010	2955	5	50.5	52.3	80.5	23.2	115	53	0.89	41
7	A H - 16032	3019	2	50.0	52.0	81.0	22.8	126	66	0.91	38
	CHECKS:										
8	SURYA	3257	1	50.3	52.0	78.3	22.2	126	66	0.92	32
9	HIM - 129	2648	8	46.5	48.3	78.8	21.5	109	59	0.90	35
	MEAN YIELD=	2860		49.9	52.4	80.7	22.6	116	59	-	37
	MEAN STAND	37		-	-	-	-	-	-	-	-
	C.D. AT 5%=	665		2.8	2.9	2.6	0.6	15.7	12.4	-	4.3
	C.V. % =	15.99		3.9	3.8	2.2	1.9	9.3	14.3	-	8.1
	F (Prob)	.421		.040	.002	.000	.000	.100	.020	-	.012
	PLOT SIZE=	5.20									
	AGRONOMY DATA:										
	SOWING DATE(2002)	12-07									
	HARVEST DATE(2002)	14-10									
	IRRIGATION Nos	-									
	FERTILIZER APPLIED N	80									
	P	40									
	K	-									

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 55

PERFORMANCE OF LINES IN TOP CROSSES USING IPA - 510 AS TESTER AT DELHI, UDAIPUR IN TRIAL No. TR255 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 2 DELH	R	ZN 5 UDAI	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 3 ZN 2 DELH	ZN 5 UDAI	OV'L MEAN
1	IPA-3-20-xO	4711	7	4114	12	4413	10	12.50	-	-
2	PC2 HS-31-f-4-Ox	3602	25	3717	22	3659	26	-	-	-
3	IPA3-6-10-3-1-1-1-2-1-#	4671	8	3741	21	4206	15	11.55	-	-
4	PC2 HS-31-f-5 xO	3660	24	3677	25	3668	25	-	-	-
5	IPA-34-f-106-2-#	5000	3	3209	26	4105	19	19.42	-	-
6	IPA-3-28-5	3996	21	4234	10	4115	18	-	-	-
7	IPA-23-6-#-10-f-1	4611	9	4034	15	4322	12	10.11	-	-
8	IPA21-10-19-2-#-2-1-2-1-1-1-1	3952	22	5300	1	4626	4	-	8.19	1.83
9	TCA21-11-f-f-1	4216	18	3793	19	4005	21	0.69	-	-
10	IPA40-85-f-#-f-1	5072	2	4040	14	4556	6	21.12	-	0.28
11	IPA3-f-26-1-#-f-1	3492	26	3878	17	3685	24	-	-	-
12	IPA34-62-f-#-1-1-2-1-1-1	4230	16	4136	11	4183	16	1.03	-	-
13	IPA2-2-f-1-2-1-1-1-1	4192	19	3688	24	3940	23	0.11	-	-
14	IPA-1-f-#-f-1	4972	4	4389	8	4681	3	18.74	-	3.03
15	IPA34-5-f-1	4218	17	3692	23	3955	22	0.72	-	-
16	TCA21-f-1-1	4335	14	4763	5	4549	7	3.54	-	0.13
17	TCA22-3-1-1-2-f-#-1-1-2-1-1-1-1	5142	1	3884	16	4513	9	22.80	-	-

TABLE NO. 55 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 2 DELH	R	ZN 5 UDAI	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 3 ZN 2 DELH	ZN 5 UDAI	OV'L MEAN
18	TCA22-3-1-2-5-f-1	4556	11	5083	2	4820	1	8.81	3.75	6.09
19	IPA34-10-13-3-f	3804	23	4243	9	4024	20	-	-	-
20	IPA-21-5-5	4757	5	4399	7	4578	5	13.61	-	0.77
21	IPA29-3-18-#-10-f	4748	6	3769	20	4259	13	13.39	-	-
22	IPA29-3-1-8-1-1 -#-1-2-1-1-1	4414	13	4077	13	4245	14	5.41	-	-
23	PC2 HS-31-f-6-xO	4445	12	3818	18	4131	17	6.16	-	-
	CHECKS:									
24	P E H M - 3	4187	20	4899	3	4543	8	-	-	-
25	K H - 510	4597	10	4895	4	4746	2	9.79	-	4.48
26	P E H M - 1	4245	15	4401	6	4323	11	1.38	-	-
	MEAN YIELD=	4378		4149		4263				
	MEAN STAND	40		36		38				
	C.D. AT 5%=	885		709		797				
	C.V. % =	12.34		10.42		-				
	F (Prob)	.024		.000		-				
	PLOT SIZE=	7.50		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	4-07		13-07		-				
	HARVEST DATE(2002)	23-10		21-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		100		-				
	P	80		60		-				
	K	60		-		-				

TABLE NO. 55 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD K H - 510 ZN 2 DELH	GRAIN YIELD K H - 510 ZN 5 UDAI	GRAIN YIELD K H - 510 OV'L MEAN	% SUPERIORITY OVER THE P E H M - 1 ZN 2 DELH	% SUPERIORITY OVER THE P E H M - 1 ZN 5 UDAI	% SUPERIORITY OVER THE P E H M - 1 OV'L MEAN	DAYS TO 50 % POLLEN SHED ZN 2 DELH	DAYS TO 50 % POLLEN SHED ZN 5 UDAI	DAYS TO 50 % POLLEN SHED OV'L MEAN
1	IPA-3-20-xO	2.47	-	-	10.97	-	2.07	45.7	51.0	48.3
2	PC2 HS-31-f-4-Ox	-	-	-	-	-	-	48.7	51.7	50.2
3	IPA3-6-10-3-1-1-1-2-1-#	1.60	-	-	10.03	-	-	46.7	51.7	49.2
4	PC2 HS-31-f-5 xO	-	-	-	-	-	-	49.0	51.3	50.2
5	IPA-34-f-106-2-#	8.77	-	-	17.79	-	-	45.7	51.0	48.3
6	IPA-3-28-5	-	-	-	-	-	-	47.3	49.0	48.2
7	IPA-23-6-#-10-f-1	0.29	-	-	8.61	-	-	46.3	51.0	48.7
8	IPA21-10-19-2-#-2-1-2-1-1-1-1	-	8.26	-	-	20.42	7.01	46.3	49.0	47.7
9	TCA21-11-f-f-1	-	-	-	-	-	-	45.3	50.0	47.7
10	IPA40-85-f-#-f-1	10.32	-	-	19.47	-	5.37	45.3	50.7	48.0
11	IPA3-f-26-1-#-f-1	-	-	-	-	-	-	44.7	49.0	46.8
12	IPA34-62-f-#-1-1-2-1-1-1	-	-	-	-	-	-	46.0	49.7	47.8
13	IPA2-2-f-1-2-1-1-1-1	-	-	-	-	-	-	44.3	50.3	47.3
14	IPA-1-f-#-f-1	8.15	-	-	17.12	-	8.26	46.0	49.3	47.7
15	IPA34-5-f-1	-	-	-	-	-	-	44.0	50.3	47.2
16	TCA21-f-1-1	-	-	-	2.13	8.21	5.22	43.7	50.0	46.8
17	TCA22-3-1-1-2-f-#-1-1-2-1-1-1-1	11.84	-	-	21.12	-	4.39	47.0	51.3	49.2
18	TCA22-3-1-2-5-f-1	-	3.83	1.54	7.33	15.48	11.48	43.0	50.0	46.5
19	IPA34-10-13-3-f	-	-	-	-	-	-	45.3	49.7	47.5
20	IPA-21-5-5	3.47	-	-	12.06	-	5.90	45.0	50.0	47.5
21	IPA29-3-18-#-10-f	3.28	-	-	11.85	-	-	46.0	51.0	48.5
22	IPA29-3-1-8-1-1-#-1-2-1-1-1	-	-	-	3.97	-	-	43.0	49.7	46.3
23	PC2 HS-31-f-6-xO	-	-	-	4.71	-	-	47.7	50.3	49.0
	CHECKS:									
24	P E H M - 3	-	0.07	-	-	11.31	5.08	44.3	48.7	46.5
25	K H - 510	-	-	-	8.29	11.23	9.79	47.3	51.7	49.5
26	P E H M - 1	-	-	-	-	-	-	43.0	49.0	46.0
	MEAN LOCATION=	-	-	-	-	-	-	45.6	50.2	47.9
	C.D. AT 5%=	-	-	-	-	-	-	2.5	1.3	-
	C.V. % =	-	-	-	-	-	-	3.4	1.6	-
	F (Prob)	-	-	-	-	-	-	.000	.000	-

TABLE NO. 55 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING DELH	UDAI	OV'L MEAN	50% DRY HUSK UDAI	MOISTURE % AT HARVEST DELH	UDAI	OV'L MEAN	PLANT ASPECT * DELH	UDAI	OV'L MEAN	EAR ASPECT * DELH	UDAI	OV'L MEAN
1	IPA-3-20-xO	50.3	52.7	51.5	82.0	22.7	10.1	16.4	2.5	2.2	2.3	2.0	2.0	2.0
2	PC2 HS-31-f-4-Ox	53.3	54.3	53.8	79.3	27.4	12.9	20.1	3.3	2.3	2.8	2.7	2.0	2.3
3	IPA3-6-10-3-1-1-1-2-1-#	51.0	55.3	53.2	82.0	25.8	10.6	18.2	2.5	2.1	2.3	1.8	2.0	1.9
4	PC2 HS-31-f-5 xO	54.0	55.0	54.5	80.3	24.2	9.9	17.0	2.5	2.3	2.4	2.5	2.3	2.4
5	IPA-34-f-106-2-#	50.7	55.0	52.8	81.7	26.5	12.5	19.5	2.3	2.0	2.1	2.0	2.4	2.2
6	IPA-3-28-5	51.7	51.3	51.5	79.3	22.5	11.9	17.2	2.5	2.3	2.4	2.5	2.1	2.3
7	IPA-23-6-#-10-f-1	51.7	55.0	53.3	82.3	25.5	12.1	18.8	2.0	2.2	2.1	2.2	2.3	2.3
8	IPA21-10-19-2-#-2-1-2-1-1-1-1	49.7	50.0	49.8	81.3	21.2	9.6	15.4	2.5	2.4	2.4	2.3	2.4	2.3
9	TCA21-11-f-f-1	50.3	51.0	50.7	81.3	22.5	12.1	17.3	2.5	2.4	2.5	2.5	2.3	2.4
10	IPA40-85-f-#-f-1	50.3	52.3	51.3	83.0	22.8	13.4	18.0	2.5	2.3	2.4	2.0	2.1	2.0
11	IPA3-f-26-1-#-f-1	49.3	50.7	50.0	83.3	21.0	12.9	17.0	2.8	2.5	2.6	2.3	2.3	2.3
12	IPA34-62-f-#-1-1-2-1-1-1	49.7	51.7	50.7	82.3	26.9	10.7	18.8	2.5	2.4	2.5	2.2	1.9	2.0
13	IPA2-2-f-1-2-1-1-1-1	50.0	54.3	52.2	82.3	25.0	11.9	18.5	2.3	2.5	2.4	2.2	2.0	2.1
14	IPA-1-f-#-f-1	50.3	51.3	50.8	81.0	26.0	12.9	19.5	2.3	2.3	2.3	1.8	1.9	1.9
15	IPA34-5-f-1	49.0	52.0	50.5	81.3	26.6	9.9	18.2	2.3	2.4	2.3	2.2	1.8	2.0
16	TCA21-f-1-1	49.0	51.0	50.0	83.0	25.0	15.0	20.0	2.3	2.1	2.2	2.0	1.6	1.8
17	TCA22-3-1-1-2-f-#-1-1-2-1-1-1-1	53.0	55.0	54.0	82.3	26.8	12.2	19.5	2.0	2.5	2.3	1.5	1.6	1.6
18	TCA22-3-1-2-5-f-1	47.7	52.0	49.8	79.3	22.9	12.1	17.5	2.5	2.4	2.4	2.2	2.1	2.1
19	IPA34-10-13-3-f	51.3	52.0	51.7	80.0	25.2	12.5	18.9	2.5	2.3	2.4	2.3	1.9	2.1
20	IPA-21-5-5	49.7	52.0	50.8	80.3	20.9	8.8	14.8	2.5	2.4	2.5	2.2	1.8	2.0
21	IPA29-3-18-#-10-f	49.3	55.0	52.2	82.0	23.7	12.1	17.9	2.5	2.4	2.4	2.2	2.0	2.1
22	IPA29-3-1-8-1-1-#-1-2-1-1-1	47.7	52.3	50.0	81.0	25.2	12.4	18.8	2.5	2.4	2.5	2.2	1.9	2.0
23	PC2 HS-31-f-6-xO	51.7	51.3	51.5	80.3	23.8	13.5	18.6	2.5	2.4	2.4	2.3	1.8	2.1
	CHECKS:													
24	P E H M - 3	49.0	50.7	49.8	80.0	21.5	12.4	17.0	2.8	2.4	2.6	2.3	1.9	2.1
25	K H - 510	53.3	54.7	54.0	83.0	25.3	13.0	19.1	2.5	2.0	2.3	2.0	1.7	1.9
26	P E H M - 1	48.0	50.3	49.2	79.3	19.5	10.0	14.8	2.5	2.3	2.4	2.0	2.2	2.1
	MEAN LOCATION=	50.4	52.6	51.5	81.3	24.1	11.8	18.0	2.5	2.3	2.4	2.2	2.0	2.1
	C.D. AT 5%=	3.2	1.7	-	1.3	2.6	0.5	-	0.2	0.3	-	0.5	0.6	-
	C.V. % =	3.8	2.0	-	1.0	6.6	2.5	-	5.7	7.7	-	14.4	17.0	-
	F (Prob)	.005	.000	-	.000	.000	.000	-	.000	.026	-	.025	.223	-

TABLE NO. 55 (CONT.)

Sl No	PEDIGREE	HUSK COV.* UDAI	UNIFO -RMITY* UDAI	PLANT HEIGHT (cm) DELH	UDAI	OV'L MEAN	EAR HEIGHT (cm) DELH	UDAI	OV'L MEAN	EAR No./PLANT DELH	UDAI	OV'L MEAN	STAND AT HARVEST DELH	UDAI
1	IPA-3-20-xO	2.1	2.4	225	222	223	90	95	93	1.04	0.95	1.00	38	33
2	PC2 HS-31-f-4-Ox	2.1	2.5	173	235	204	83	123	103	1.02	0.95	0.99	37	33
3	IPA3-6-10-3-1-1-1-2-1-#	2.0	2.4	198	247	222	85	123	104	1.03	1.07	1.05	33	31
4	PC2 HS-31-f-5 xO	2.1	2.4	178	228	203	80	107	93	1.08	0.95	1.02	35	36
5	IPA-34-f-106-2-#	2.1	2.3	185	213	199	75	103	89	1.03	0.98	1.01	37	31
6	IPA-3-28-5	2.2	2.3	193	215	204	90	102	96	1.07	1.01	1.04	41	41
7	IPA-23-6-#-10-f-1	2.2	2.3	195	233	214	85	107	96	1.04	0.99	1.02	42	41
8	IPA21-10-19-2-#-2-1-2-1-1-1-1	2.3	2.4	183	217	200	80	85	83	1.06	1.01	1.03	40	40
9	TCA21-11-f-f-1	2.2	2.5	193	220	206	75	107	91	1.06	0.95	1.01	31	33
10	IPA40-85-f-#-f-1	2.4	2.3	195	208	202	90	98	94	1.05	1.00	1.02	36	35
11	IPA3-f-26-1-#-f-1	2.4	2.6	185	207	196	80	97	88	1.04	0.97	1.00	48	35
12	IPA34-62-f-#-1-1-2-1-1-1	2.3	2.5	203	210	206	80	97	88	1.05	0.93	0.99	32	28
13	IPA2-2-f-1-2-1-1-1-1	2.5	2.3	185	227	206	75	103	89	1.07	0.95	1.01	43	35
14	IPA-1-f-#-f-1	2.3	2.4	210	250	230	90	118	104	1.02	0.94	0.98	39	38
15	IPA34-5-f-1	2.3	2.5	180	215	198	85	98	92	1.06	1.01	1.03	49	39
16	TCA21-f-1-1	2.1	2.3	180	213	197	70	95	83	1.02	0.93	0.97	39	31
17	TCA22-3-1-1-2-f-#-1-1-2-1-1-1-1	2.2	2.5	200	222	211	90	98	94	1.01	0.92	0.96	33	28
18	TCA22-3-1-2-5-f-1	2.2	2.4	205	218	212	85	105	95	1.04	1.00	1.02	47	38
19	IPA34-10-13-3-f	2.1	2.3	195	212	203	95	97	96	1.01	1.06	1.03	37	42
20	IPA-21-5-5	2.2	2.4	180	227	203	95	103	99	1.03	1.07	1.05	41	40
21	IPA29-3-18-#-10-f	2.2	2.4	188	208	198	75	93	84	1.04	0.92	0.98	36	36
22	IPA29-3-1-8-1-1-#-1-2-1-1-1	2.2	2.5	185	220	203	80	98	89	1.03	0.93	0.98	44	41
23	PC2 HS-31-f-6-xO	2.4	2.3	198	197	197	90	105	98	1.04	0.96	1.00	37	34
	CHECKS:													
24	P E H M - 3	2.3	2.5	200	212	206	83	100	91	1.03	0.92	0.97	45	36
25	K H - 510	1.9	2.0	213	227	220	90	108	99	1.03	0.96	0.99	44	37
26	P E H M - 1	2.3	2.3	195	223	209	75	98	87	1.01	0.95	0.98	46	38
	MEAN LOCATION=	2.2	2.4	193	220	207	83	103	93	-	-	-	40	36
	C.D. AT 5%=	0.3	0.3	16.0	19.0	-	10.0	10.4	-	-	-	-	8.4	4.3
	C.V. % =	8.0	8.4	5.1	5.3	-	7.3	6.2	-	-	-	-	13.0	7.3
	F (Prob)	.051	.530	.000	.000	-	.000	.000	-	-	-	-	.001	.000

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 56

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, DHOLI, JASHIPUR IN TRIAL No. TR301 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GORA BELI	R	VARA	R	DHOL	R	JASH	R	ZN 3 MEAN	R
1	(0220619 x 0220668)	5684	4	1579	17	2812	9	5382	2	3864	4
2	(0220646 x 0220668)	4789	11	2472	5	3105	5	4144	15	3628	10
3	(0220723 x 0220745)	6476	1	2600	4	3058	6	4676	7	4202	1
4	(0220733 x 0220745)	5977	2	2283	9	2849	7	4192	14	3825	5
5	U M H - 3	5393	7	1749	14	2260	16	3520	18	3230	15
6	U M H - 4	4707	13	1740	15	2469	14	5548	1	3616	11
7	U M H - 5	4591	15	1501	19	3540	1	5180	3	3703	6
8	U M C - 1	4701	14	1508	18	2831	8	4722	6	3440	12
9	U M C - 2	5097	10	2603	3	2519	11	4295	13	3629	9
10	U M C - 3	4554	16	1978	10	2670	10	3397	20	3150	17
11	U M C - 4	4066	19	1967	11	2068	18	4430	10	3133	18
12	MONSANTO - 1452	5543	5	2913	1	3117	4	4794	4	4092	2
13	MONSANTO - 1493	5880	3	2435	7	3338	2	4599	8	4063	3
14	A D - 1001	4715	12	2794	2	2255	17	4756	5	3630	8
15	A D - 1002	4471	17	1778	12	2384	15	4027	16	3165	16
16	N M H - 3704	5249	8	1249	20	1970	19	3971	17	3110	19
17	N M H - 3704A	5201	9	1671	16	2488	12	4353	11	3428	13
	CHECKS:										
18	MEGHA	4316	18	2313	8	2484	13	4349	12	3366	14
19	SURYA	3855	20	1775	13	1676	20	4592	9	2975	20
20	X - 3342	5500	6	2468	6	3163	3	3504	19	3659	7
	MEAN YIELD=	5038		2069		2653		4422		3545	
	MEAN STAND	34		31		40		27		33	
	C.D. AT 5%=	541		507		1052		358		614	
	C.V. % =	6.50		14.84		24.01		4.90		-	
	F (Prob)	.000		.000		.053		.000		-	
	PLOT SIZE=	6.00		7.50		7.50		6.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	18-06		5-07		19-10		29-06		-	
	HARVEST DATE(2002)	23-09		8-10		30-10		16-10		-	
	IRRIGATION Nos	-		2		-		-		-	
	FERTILIZER APPLIED N	120		120		100		120		-	
	P	60		60		60		60		-	
	K	60		40		40		60		-	

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MEGHA					GRAIN YIELD % SUPERIORITY OVER THE SURYA				
		GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
1	(0220619 x 0220668)	31.69	-	13.24	23.75	14.82	47.43	-	67.80	17.20	29.91
2	(0220646 x 0220668)	10.96	6.88	25.03	-	7.79	24.23	39.28	85.28	-	21.95
3	(0220723 x 0220745)	50.04	12.40	23.11	7.52	24.86	67.97	46.46	82.43	1.83	41.27
4	(0220733 x 0220745)	38.48	-	14.71	-	13.66	55.04	28.58	69.98	-	28.59
5	U M H - 3	24.95	-	-	-	-	39.89	-	34.84	-	8.60
6	U M H - 4	9.07	-	-	27.57	7.45	22.10	-	47.33	20.82	21.57
7	U M H - 5	6.37	-	42.53	19.10	10.02	19.08	-	111.20	12.80	24.48
8	U M C - 1	8.93	-	13.98	8.57	2.23	21.95	-	68.90	2.82	15.66
9	U M C - 2	18.10	12.53	1.44	-	7.82	32.22	46.64	50.32	-	21.99
10	U M C - 3	5.51	-	7.50	-	-	18.13	11.45	59.29	-	5.89
11	U M C - 4	-	-	-	1.86	-	5.46	10.79	23.41	-	5.32
12	MONSANTO - 1452	28.43	25.91	25.49	10.22	21.57	43.78	64.08	85.95	4.39	37.55
13	MONSANTO - 1493	36.24	5.25	34.40	5.75	20.72	52.52	37.15	99.15	0.16	36.59
14	A D - 1001	9.24	20.78	-	9.34	7.85	22.30	57.38	34.55	3.56	22.03
15	A D - 1002	3.60	-	-	-	-	15.98	0.18	42.22	-	6.40
16	N M H - 3704	21.62	-	-	-	-	36.15	-	17.53	-	4.54
17	N M H - 3704A	20.50	-	0.18	0.08	1.86	34.91	-	48.45	-	15.25
	CHECKS:										
18	MEGHA	-	-	-	-	-	11.95	30.31	48.19	-	13.14
19	SURYA	-	-	-	5.59	-	-	-	-	-	-
20	X - 3342	27.43	6.68	27.35	-	8.71	42.66	39.02	88.71	-	22.99

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	DAYS TO 50 % POLLEN SHED GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
1	(0220619 x 0220668)	3.34	-	-	53.62	5.62	55.7	55.0	55.7	56.0	55.6
2	(0220646 x 0220668)	-	0.19	-	18.28	-	56.3	55.7	54.7	55.3	55.5
3	(0220723 x 0220745)	17.74	5.36	-	33.47	14.86	56.3	56.7	55.0	54.0	55.5
4	(0220733 x 0220745)	8.67	-	-	19.65	4.55	52.7	56.0	55.7	53.0	54.3
5	U M H - 3	-	-	-	0.48	-	54.3	54.3	54.0	52.0	53.7
6	U M H - 4	-	-	-	58.36	-	52.3	56.0	55.0	52.7	54.0
7	U M H - 5	-	-	11.92	47.85	1.21	53.3	55.3	53.7	50.3	53.2
8	U M C - 1	-	-	-	34.77	-	53.3	54.0	53.3	49.0	52.4
9	U M C - 2	-	5.48	-	22.59	-	53.3	53.0	53.3	48.7	52.1
10	U M C - 3	-	-	-	-	-	52.3	51.3	53.0	47.0	50.9
11	U M C - 4	-	-	-	26.45	-	50.0	51.7	51.7	48.0	50.3
12	MONSANTO - 1452	0.78	18.03	-	36.82	11.83	55.0	55.7	54.0	55.7	55.1
13	MONSANTO - 1493	6.91	-	5.53	31.28	11.06	52.3	56.3	54.7	51.7	53.8
14	A D - 1001	-	13.21	-	35.74	-	56.3	55.0	54.7	50.3	54.1
15	A D - 1002	-	-	-	14.93	-	56.3	53.3	54.0	47.7	52.8
16	N M H - 3704	-	-	-	13.35	-	55.3	55.3	53.3	50.7	53.7
17	N M H - 3704A	-	-	-	24.24	-	56.3	55.0	54.0	54.3	54.9
	CHECKS:										
18	MEGHA	-	-	-	24.14	-	52.0	53.3	54.3	52.0	52.9
19	SURYA	-	-	-	31.07	-	50.7	53.7	52.0	49.7	51.5
20	X - 3342	-	-	-	-	-	53.7	53.3	53.3	47.7	52.0
	MEAN LOCATION	-	-	-	-	-	53.9	54.5	54.0	51.3	53.4
	C.D. AT 5%=	-	-	-	-	-	1.0	2.3	1.2	1.3	1.5
	C.V. % =	-	-	-	-	-	1.1	2.6	1.3	1.6	-
	F (Prob)	-	-	-	-	-	.000	.001	.000	.000	-

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	DAYS TO 50 % DRY HUSK GORA BELI	VARA	JASH	ZN 3 MEAN	MOISTURE % AT HARVEST GORA BELI	VARA	JASH	ZN 3 MEAN
1	(0220619 x 0220668)	58.3	60.7	57.7	60.3	59.3	93.3	89.0	94.0	92.1	27.2	32.7	22.4	27.4
2	(0220646 x 0220668)	58.0	60.7	56.7	60.7	59.0	87.3	89.3	96.0	90.9	28.3	23.0	22.5	24.6
3	(0220723 x 0220745)	58.3	63.0	57.0	57.3	58.9	87.7	92.0	90.0	89.9	28.7	32.7	22.5	28.0
4	(0220733 x 0220745)	55.0	62.3	58.3	57.3	58.2	93.7	88.3	96.0	92.7	27.8	38.7	22.2	29.6
5	U M H - 3	57.3	59.3	56.0	56.0	57.2	87.7	90.3	88.7	88.9	25.2	37.8	21.3	28.1
6	U M H - 4	55.0	60.3	57.0	56.7	57.3	87.3	91.0	89.7	89.3	26.7	32.8	22.5	27.3
7	U M H - 5	55.3	59.0	55.3	53.3	55.7	86.3	88.7	85.0	86.7	25.6	31.9	22.5	26.7
8	U M C - 1	56.0	59.3	55.0	53.0	55.8	91.7	86.7	87.7	88.7	26.0	27.8	22.3	25.4
9	U M C - 2	56.0	58.0	55.3	53.3	55.7	84.7	85.7	88.3	86.2	24.7	28.8	22.4	25.3
10	U M C - 3	54.7	58.0	55.0	51.3	54.8	83.7	85.0	86.3	85.0	25.1	28.5	22.5	25.3
11	U M C - 4	53.0	58.7	54.0	51.7	54.3	83.3	87.3	84.7	85.1	24.8	26.7	22.5	24.6
12	MONSANTO - 1452	57.3	61.0	56.0	59.0	58.3	88.7	86.3	94.3	89.8	26.2	31.5	22.1	26.6
13	MONSANTO - 1493	55.0	60.3	56.7	54.0	56.5	93.3	87.7	95.3	92.1	27.1	38.2	22.8	29.4
14	A D - 1001	59.0	59.3	56.7	54.0	57.3	90.3	87.3	86.3	88.0	26.4	32.3	22.5	27.1
15	A D - 1002	58.7	59.3	56.0	52.3	56.6	87.7	86.0	86.0	86.6	28.0	28.5	22.1	26.2
16	N M H - 3704	57.3	60.7	55.7	54.7	57.1	92.7	89.0	90.3	90.7	27.3	39.0	22.5	29.6
17	N M H - 3704A	58.3	60.3	56.3	57.3	58.1	92.3	89.0	94.3	91.9	28.0	39.0	22.7	29.9
	CHECKS:													
18	MEGHA	54.7	59.3	56.3	56.3	56.7	93.3	89.0	90.0	90.8	26.2	31.8	22.6	26.9
19	SURYA	53.0	59.0	54.0	53.3	54.8	86.7	85.3	87.0	86.3	24.8	28.4	22.8	25.3
20	X - 3342	56.0	59.3	55.3	52.0	55.7	92.3	89.0	86.0	89.1	25.9	31.0	22.6	26.5
	MEAN LOCATION	56.3	59.9	56.0	55.2	56.9	89.2	88.1	89.8	89.0	26.5	32.0	22.4	27.0
	C.D. AT 5%=	1.2	2.5	1.5	1.3	1.6	1.0	3.1	1.6	1.9	0.8	0.9	0.5	0.7
	C.V. % =	1.2	2.5	1.6	1.4	-	0.7	2.2	1.1	-	1.8	1.7	1.4	-
	F (Prob)	.000	.020	.000	.000	-	.000	.002	.000	-	.000	.000	.002	-

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * GORA BELI	VARA	JASH	ZN 3 MEAN	EAR ASPECT * GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	HUSK COVER * GORA BELI	VARA	JASH	ZN 3 MEAN
1	(0220619 x 0220668)	2.0	2.0	1.0	1.7	2.3	3.3	3.2	1.0	2.4	2.3	3.5	1.0	2.3
2	(0220646 x 0220668)	2.3	2.5	2.0	2.3	2.7	3.0	2.8	2.0	2.6	2.5	3.3	2.7	2.8
3	(0220723 x 0220745)	2.3	2.5	2.7	2.5	2.3	2.8	3.2	2.7	2.7	2.7	2.5	2.0	2.4
4	(0220733 x 0220745)	2.0	2.0	2.0	2.0	2.3	2.3	2.7	2.0	2.3	2.2	2.0	2.0	2.1
5	U M H - 3	2.3	2.5	3.3	2.7	2.0	2.5	3.5	3.0	2.8	2.0	2.5	1.0	1.8
6	U M H - 4	2.2	3.5	1.3	2.3	2.7	3.0	3.0	1.3	2.5	2.3	3.5	1.0	2.3
7	U M H - 5	2.3	2.3	1.0	1.9	2.2	2.5	2.7	1.3	2.2	2.0	2.5	1.7	2.1
8	U M C - 1	2.3	3.0	3.7	3.0	2.3	2.8	3.2	3.3	2.9	2.5	2.5	2.0	2.3
9	U M C - 2	2.2	1.8	4.0	2.6	2.7	2.0	2.7	3.3	2.7	2.5	2.3	2.0	2.3
10	U M C - 3	2.5	3.3	4.3	3.4	3.0	3.0	3.3	3.3	3.2	2.7	3.0	2.0	2.6
11	U M C - 4	3.0	3.0	4.0	3.3	3.0	2.8	3.2	3.3	3.1	3.2	2.5	3.0	2.9
12	MONSANTO - 1452	1.8	1.8	2.0	1.9	2.3	1.8	3.0	2.0	2.3	2.0	1.5	2.3	1.9
13	MONSANTO - 1493	2.2	1.8	3.0	2.3	2.0	2.0	2.2	2.0	2.0	2.2	1.5	2.3	2.0
14	A D - 1001	2.0	3.0	3.0	2.7	3.2	3.0	3.2	1.7	2.8	2.2	2.5	1.0	1.9
15	A D - 1002	2.2	3.3	3.0	2.8	2.8	3.3	3.3	2.7	3.0	2.3	2.5	2.3	2.4
16	N M H - 3704	2.0	3.8	3.0	2.9	2.7	3.5	3.2	2.0	2.8	2.2	3.5	2.3	2.7
17	N M H - 3704A	2.2	2.0	3.0	2.4	2.5	3.3	3.7	2.0	2.9	1.7	2.8	1.0	1.8
	CHECKS:													
18	MEGHA	2.3	2.5	2.0	2.3	2.7	3.3	2.5	2.0	2.6	2.7	3.0	1.7	2.4
19	SURYA	3.2	4.0	2.0	3.1	2.7	3.0	3.7	2.0	2.8	3.2	3.3	2.3	2.9
20	X - 3342	2.2	3.5	3.0	2.9	2.2	3.3	2.5	2.7	2.6	2.2	2.5	3.0	2.6
	MEAN LOCATION	2.3	2.7	2.7	2.5	2.5	2.8	3.0	2.3	2.7	2.4	2.7	1.9	2.3
	C.D. AT 5%=	0.5	0.5	0.5	0.5	0.7	0.5	0.9	0.7	0.7	0.5	0.3	0.6	0.5
	C.V. % =	12.9	10.2	10.7	-	15.7	10.4	18.0	18.2	-	13.8	7.5	18.9	-
	F (Prob)	.000	.000	.000	-	.027	.000	.095	.000	-	.000	.000	.000	-

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * GORA BELI	VARA	JASH	ZN 3 MEAN	PLANT HEIGHT (cm) GORA BELI	VARA	JASH	ZN 3 MEAN	EAR HEIGHT (cm) GORA BELI	VARA	JASH	ZN 3 MEAN
1	(0220619 x 0220668)	2.2	3.8	1.7	2.5	178	212	185	192	83	80	75	79
2	(0220646 x 0220668)	2.8	3.5	2.3	2.9	157	211	179	182	76	78	73	76
3	(0220723 x 0220745)	2.5	2.0	2.3	2.3	163	196	185	181	70	69	82	74
4	(0220733 x 0220745)	2.3	1.8	2.0	2.0	153	191	145	163	68	75	45	62
5	U M H - 3	2.0	2.8	2.0	2.3	132	165	183	160	50	62	82	65
6	U M H - 4	2.5	3.5	1.3	2.4	131	162	188	160	52	47	85	61
7	U M H - 5	2.2	1.8	1.3	1.8	141	170	188	166	63	58	88	70
8	U M C - 1	2.5	2.5	2.0	2.3	147	190	149	162	71	68	48	62
9	U M C - 2	2.7	2.5	2.7	2.6	148	187	188	174	70	65	85	73
10	U M C - 3	2.7	3.0	2.3	2.7	151	173	181	168	76	59	78	71
11	U M C - 4	2.7	2.3	3.0	2.6	121	160	184	155	49	54	82	61
12	MONSANTO - 1452	2.2	1.8	2.7	2.2	138	165	173	158	65	56	73	65
13	MONSANTO - 1493	2.3	1.5	2.3	2.1	160	169	184	171	74	62	85	74
14	A D - 1001	2.5	2.8	2.7	2.6	185	232	175	197	96	84	73	84
15	A D - 1002	2.5	2.8	2.7	2.6	169	203	185	186	81	75	83	80
16	N M H - 3704	2.0	3.5	2.7	2.7	128	167	186	160	44	49	86	59
17	N M H - 3704A	2.2	2.3	2.3	2.3	142	165	186	164	53	49	77	59
	CHECKS:												
18	MEGHA	3.0	3.3	2.0	2.8	163	210	182	185	75	84	82	80
19	SURYA	3.2	3.0	2.3	2.8	119	176	180	158	47	56	80	61
20	X - 3342	2.8	3.3	2.0	2.7	151	189	184	175	74	66	81	74
	MEAN LOCATION	2.5	2.7	2.2	2.5	149	184	180	171	67	65	77	70
	C.D. AT 5%=	0.6	0.4	0.8	0.6	21.6	13.4	5.2	13.4	21.0	14.0	5.6	13.6
	C.V. % =	13.7	8.8	21.9	-	8.8	4.4	1.8	-	19.0	13.2	4.4	-
	F (Prob)	.004	.000	.008	-	.000	.000	.000	-	.000	.000	.000	-

TABLE NO. 56 (CONT.)

Sl No	PEDIGREE	EAR NO./PLANT GORA BELI	VARA	OV'L MEAN	STAND AT HARVEST GORA BELI	VARA	DHOL	JASH	OV'L MEAN
1	(0220619 x 0220668)	1.03	0.81	0.92	33	30	40	27	33
2	(0220646 x 0220668)	0.99	0.78	0.88	37	30	40	26	33
3	(0220723 x 0220745)	0.97	0.84	0.91	37	31	40	26	33
4	(0220733 x 0220745)	1.00	0.85	0.92	32	33	40	29	33
5	U M H - 3	0.98	0.79	0.89	36	17	40	28	30
6	U M H - 4	0.93	0.78	0.85	23	12	40	27	25
7	U M H - 5	0.98	0.85	0.91	37	24	40	29	33
8	U M C - 1	0.97	0.88	0.92	32	35	40	24	33
9	U M C - 2	1.05	0.84	0.94	36	40	40	25	35
10	U M C - 3	0.96	0.84	0.90	34	24	39	27	31
11	U M C - 4	0.99	0.92	0.95	34	34	40	28	34
12	MONSANTO - 1452	0.95	0.82	0.88	33	34	40	27	34
13	MONSANTO - 1493	1.00	0.82	0.91	32	35	40	27	33
14	A D - 1001	0.95	0.81	0.88	31	34	40	26	33
15	A D - 1002	1.00	0.85	0.92	35	39	40	27	35
16	N M H - 3704	1.00	0.83	0.92	36	29	40	26	33
17	N M H - 3704A	0.99	0.83	0.91	36	33	40	27	34
	CHECKS:								
18	MEGHA	0.98	0.81	0.89	36	35	40	28	35
19	SURYA	1.00	0.83	0.92	31	33	40	27	33
20	X - 3342	0.98	0.89	0.93	38	30	40	30	34
	MEAN LOCATION	-	-	-	34	31	40	27	33
	C.D. AT 5%=	-	-	-	3.5	3.8	0.7	3.9	-
	C.V. % =	-	-	-	6.2	7.5	1.1	8.7	-
	F (Prob)	-	-	-	.000	.000	.482	.364	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 57

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT COIMBATORE IN TRIAL No. TR401A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE COIM	R	POLL. SHED 50% COIM	SILK -ING 50% COIM	DRY HUSK 50% COIM	MOIS -TURE % COIM	PLANT ASP. * COIM	EAR ASP. * COIM	HUSK COV. * COIM	UNIFO -RMITY * COIM	PLANT HT(cm) COIM	EAR HT. (cm) COIM	STAND AT HARV COIM.
1	B H - 3271	6799	12	58.0	59.0	105.0	16.5	2.0	1.0	2.0	2.7	198	105	18
2	B H - 3272	7474	6	55.3	59.7	103.7	16.6	2.0	1.3	1.7	2.0	183	119	19
3	B H - 3273	6987	11	53.3	55.0	99.3	15.8	2.3	2.7	1.3	1.7	186	96	19
4	B H - 3274	5520	23	56.3	58.7	101.3	15.8	1.7	2.3	2.7	2.0	166	83	18
5	B H - 3275	7422	7	56.3	58.3	103.3	17.3	2.0	1.0	2.0	1.7	159	92	19
6	B H - 3276	5145	27	57.3	59.3	105.0	17.1	1.3	1.7	2.0	3.0	204	106	19
7	B H - 3277	12172	1	56.7	60.0	105.7	16.5	2.3	2.7	1.7	1.7	166	89	18
8	B H - 3278	6149	17	55.7	59.0	106.7	16.7	2.3	2.0	2.7	2.3	172	95	19
9	B H - 3279	6009	18	57.3	60.0	105.7	16.8	1.3	1.7	2.7	3.0	179	91	18
10	B H - 3280	5729	21	59.0	61.0	106.7	16.9	2.0	3.0	2.0	3.3	178	95	18
11	B H - 3281	10705	3	57.7	60.0	107.7	16.7	2.3	2.7	1.7	1.3	178	91	17
12	B H - 3282	7016	10	57.0	59.0	107.3	16.6	2.0	2.0	2.3	2.0	189	109	17
13	B H - 3283	5220	26	56.3	58.3	105.3	16.0	2.3	2.3	2.7	1.7	195	78	18
14	B H - 3284	6204	15	58.0	60.3	106.0	17.1	2.0	1.3	1.7	2.0	210	121	18
15	X - 22	5958	19	56.7	59.0	107.7	17.4	2.0	1.3	2.3	2.3	178	96	19
16	NMH - 606	9209	4	55.7	58.3	108.0	16.1	2.0	3.0	2.0	2.3	187	85	19
17	NMH - 607	7251	8	53.7	57.7	99.7	15.9	1.0	2.0	2.0	3.0	198	92	19
18	JKMH - 501	4835	29	58.3	61.7	105.3	16.7	2.0	1.3	2.0	1.7	190	111	18
19	NECH - 121	5053	28	57.0	59.7	103.7	16.5	2.3	2.3	2.7	2.7	191	96	18
20	NECH - 122	5572	22	58.0	60.0	104.0	16.3	2.0	1.7	2.7	3.7	193	96	17
21	NAH - 1180	7176	9	55.7	59.0	105.0	17.2	1.7	1.3	2.3	3.0	173	99	17
22	NAH - 1214	7863	5	56.0	59.0	104.0	16.4	2.0	2.0	3.0	2.7	177	95	18
23	MAIZE - 0201	5231	25	52.7	56.0	106.3	17.0	3.0	2.0	3.0	2.0	181	94	18
24	038116	6345	13	57.3	60.0	105.0	17.1	2.0	2.0	2.3	2.0	186	89	18
25	0426003	6314	14	57.7	60.0	106.7	16.7	1.7	1.3	2.0	2.3	196	98	17
26	MAH - 1608	10745	2	53.3	56.7	107.0	16.8	1.7	1.7	2.7	2.3	157	91	18
27	CARGILL 900M	6196	16	58.0	60.0	106.3	17.2	2.7	1.7	2.0	2.3	181	94	18
28	HISHELL	5354	24	57.0	59.0	107.7	17.1	2.0	1.3	2.0	2.7	175	95	19
	CHECKS:													
29	DECCAN - 103	5744	20	56.0	58.3	109.3	16.5	1.3	1.7	3.0	2.0	192	103	19
	MEAN YIELD=	6807		-	-	-	-	-	-	-	-	-	-	-
	MEAN STAND	18		56.5	59.0	105.3	16.7	2.0	1.9	2.2	2.3	183	97	18
	C.D. AT 5%=	1394		0.9	1.0	2.5	0.6	0.7	0.9	0.7	0.9	9.9	5.6	0.8
	C.V. % =	12.53		1.0	1.1	1.5	2.1	20.2	30.1	20.0	24.5	3.3	3.6	2.5
	F (Prob)	.000		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	PLOT SIZE=	3.75												

AGRONOMY DATA:

SOWING DATE(2002) 2-08 HARVEST DATE(2002) 25-11 IRRIGATION Nos 7

FERTILIZER APPLIED N 135 : P 63 : K 50

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : HYDE 34.1% : KARI 24.4%

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 58

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT HYDERABAD, MAHABEEJ AKOLA IN TRIAL No. TR401B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103			DAYS TO 50% POLLEN SHED		
		HYDE	R	AKOL MAHA	R	ZN 4 MEAN	R	HYDE	AKOL MAHA	ZN 4 MEAN	HYDE	AKOL MAHA	ZN 4 MEAN
1	B H - 3285	4446	28	3460	13	3953	23	12.08	-	1.16	55.7	46.0	50.8
2	B H - 3286	5611	6	2908	24	4259	15	41.44	-	8.99	56.0	46.3	51.2
3	B H - 3287	4518	27	2356	30	3437	31	13.89	-	-	55.7	53.0	54.3
4	B H - 3288	5126	18	3121	19	4124	18	29.23	-	5.53	57.3	55.0	56.2
5	B H - 3289	4543	26	2576	26	3560	29	14.53	-	-	58.3	48.3	53.3
6	B H - 3290	4903	22	2548	27	3725	27	23.59	-	-	54.7	48.3	51.5
7	B H - 3291	5128	17	2523	28	3825	25	29.26	-	-	57.7	49.3	53.5
8	B H - 3292	5594	7	3918	10	4756	7	41.01	1.80	21.70	55.3	48.7	52.0
9	B H - 3293	5002	21	1711	33	3356	33	26.10	-	-	58.3	49.3	53.8
10	B H - 3294	6848	1	4270	5	5559	1	72.64	10.94	42.25	56.7	49.7	53.2
11	B H - 3295	5169	15	2298	31	3733	26	30.29	-	-	56.3	46.0	51.2
12	B H - 3296	4227	30	1606	34	2916	34	6.56	-	-	57.7	46.3	52.0
13	B H - 3297	5069	20	3800	12	4435	14	27.79	-	13.48	56.0	46.0	51.0
14	B H - 3298	3753	34	5247	2	4500	12	-	36.32	15.14	56.0	46.7	51.3
15	B H - 3299	6363	3	3389	14	4876	5	60.40	-	24.78	55.7	47.0	51.3
16	B H - 3300	5189	14	4078	8	4634	10	30.81	5.96	18.57	57.0	46.0	51.5
17	B H - 3301	5447	9	4226	6	4836	6	37.30	9.79	23.75	54.3	49.3	51.8
18	B H - 3302	3873	33	4192	7	4032	20	-	8.91	3.19	57.7	49.3	53.5
19	B H - 3303	5138	16	2892	25	4015	21	29.51	-	2.73	55.0	49.3	52.2
20	B H - 3304	4712	25	2463	29	3588	28	18.79	-	-	56.3	48.0	52.2
21	B H - 3305	4804	23	2026	32	3415	32	21.11	-	-	55.3	48.7	52.0
22	B H - 3306	5532	8	4698	4	5115	3	39.46	22.05	30.89	56.5	48.0	52.3
23	B H - 3307	5872	5	3361	15	4617	11	48.02	-	18.13	57.0	47.7	52.3

TABLE NO. 58 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103			DAYS TO 50% POLLEN SHED		
		HYDE	R	AKOL MAHA	R	ZN 4 MEAN	R	HYDE	AKOL MAHA	ZN 4 MEAN	HYDE	AKOL MAHA	ZN 4 MEAN
24	B H - 3308	4786	24	3201	17	3994	22	20.65	-	2.19	54.0	48.0	51.0
25	B H - 3309	6033	4	2932	23	4483	13	52.09	-	14.71	57.7	48.0	52.8
26	B H - 3310	2362	35	1362	35	1862	35	-	-	-	54.0	51.7	52.8
27	B H - 3311	5085	19	3209	16	4147	17	28.19	-	6.12	57.0	46.0	51.5
28	B H - 3312	4003	31	3018	21	3511	30	0.91	-	-	57.3	51.3	54.3
29	B H - 3313	4307	29	5457	1	4882	4	8.58	41.77	24.92	58.0	46.7	52.3
30	B H - 3314	5266	11	3154	18	4210	16	32.74	-	7.73	56.0	46.7	51.3
31	B H - 3315	5231	13	4043	9	4637	9	31.86	5.04	18.65	58.7	46.0	52.3
32	B H - 3316	6423	2	3058	20	4741	8	61.92	-	21.31	57.3	47.0	52.2
33	CARGIL 900M	5236	12	2947	22	4092	19	32.00	-	4.70	59.0	46.3	52.7
34	HISHELL	5306	10	5242	3	5274	2	33.76	36.19	34.96	57.3	47.3	52.3
	CHECKS:												
35	DECCAN - 103	3967	32	3849	11	3908	24	-	-	-	54.7	46.7	50.7
	MEAN YIELD=	4996		3290		4143		-	-	-	-	-	-
	MEAN STAND	13		14		13		-	-	-	56.5	48.1	52.3
	C.D. AT 5%=	1406		550		978		-	-	-	4.1	2.4	3.3
	C.V. % =	17.28		10.26		-		-	-	-	4.5	3.0	-
	F (Prob)	.003		.000		-		-	-	-	.705	.000	-
	PLOT SIZE=	3.75		2.70		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	18-07		28-06		-							
	HARVEST DATE(2002)	7-11		-		-							
	IRRIGATION Nos	12		-		-							
	FERTILIZER APPLIED N	120		-		-							
	P	60		-		-							
	K	30		-		-							

TABLE NO. 58 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SILKING HYDE	AKOL	MAHA	ZN 4 MEAN	DAYS TO 50% HUSK HYDE	AKOL	MAHA	DRY ZN 4 MEAN	MOISTURE % AT HARV. HYDE	AKOL	MAHA	ZN 4 MEAN	PLANT ASPECT * HYDE	AKOL	MAHA	ZN 4 MEAN
1	B H - 3285	58.3		49.7	54.0	94.3		89.4	91.8	27.2		24.4	25.8	2.5		2.0	2.3
2	B H - 3286	58.7		50.3	54.5	94.0		91.0	92.5	24.5		23.0	23.7	2.5		1.7	2.1
3	B H - 3287	58.3		57.3	57.8	95.7		96.0	95.8	26.9		25.4	26.1	2.5		2.0	2.3
4	B H - 3288	60.0		59.0	59.5	95.0		98.3	96.7	29.3		24.2	26.7	2.3		2.3	2.3
5	B H - 3289	61.0		52.3	56.7	93.7		92.0	92.8	25.1		21.9	23.5	2.5		2.3	2.4
6	B H - 3290	57.0		52.0	54.5	94.7		91.7	93.2	26.0		21.1	23.5	2.3		2.3	2.3
7	B H - 3291	60.7		53.3	57.0	95.3		93.6	94.5	24.0		25.1	24.6	2.5		2.3	2.4
8	B H - 3292	57.7		52.7	55.2	95.7		92.4	94.0	26.7		21.7	24.2	2.2		1.7	1.9
9	B H - 3293	61.0		53.7	57.3	94.0		93.0	93.5	27.8		23.6	25.7	2.2		1.7	1.9
10	B H - 3294	59.0		54.3	56.7	95.0		95.3	95.2	27.3		22.0	24.7	2.5		1.3	1.9
11	B H - 3295	59.0		49.7	54.3	92.7		90.0	91.3	26.8		23.4	25.1	2.3		1.7	2.0
12	B H - 3296	60.7		50.7	55.7	91.0		91.7	91.3	25.6		24.7	25.2	2.5		1.7	2.1
13	B H - 3297	59.0		49.7	54.3	94.7		90.0	92.3	25.1		24.3	24.7	2.3		2.0	2.2
14	B H - 3298	58.3		49.7	54.0	94.3		88.4	91.3	27.4		25.3	26.3	2.5		1.3	1.9
15	B H - 3299	58.3		50.7	54.5	94.0		92.7	93.3	27.9		23.3	25.6	2.5		2.0	2.3
16	B H - 3300	59.7		49.7	54.7	95.0		90.7	92.8	26.4		23.4	24.9	2.5		1.7	2.1
17	B H - 3301	57.0		53.3	55.2	92.7		93.3	93.0	24.8		24.1	24.4	2.3		2.7	2.5
18	B H - 3302	60.7		53.3	57.0	95.0		94.6	94.8	28.3		20.1	24.2	2.8		2.0	2.4
19	B H - 3303	57.7		53.0	55.3	93.7		93.0	93.3	21.9		21.5	21.7	2.3		2.3	2.3
20	B H - 3304	58.7		50.7	54.7	94.3		91.7	93.0	27.2		20.1	23.7	2.3		2.7	2.5
21	B H - 3305	58.7		52.7	55.7	93.3		93.0	93.2	25.4		22.1	23.7	2.3		2.3	2.3
22	B H - 3306	59.5		52.0	55.8	92.0		91.5	91.8	26.8		21.8	24.3	2.3		1.5	1.9
23	B H - 3307	59.5		51.0	55.3	95.0		92.0	93.5	26.3		21.0	23.6	2.3		2.0	2.2
24	B H - 3308	56.5		52.0	54.3	90.0		91.7	90.8	26.6		20.7	23.6	2.3		1.7	2.0
25	B H - 3309	60.7		50.3	55.5	94.0		90.3	92.2	24.8		24.0	24.4	2.5		1.7	2.1
26	B H - 3310	56.3		55.3	55.8	94.0		95.3	94.7	28.5		23.3	25.9	2.8		2.3	2.6
27	B H - 3311	59.0		50.3	54.7	94.0		87.0	90.5	28.3		20.9	24.6	2.5		1.7	2.1
28	B H - 3312	60.0		55.3	57.7	92.0		94.7	93.3	29.3		24.2	26.7	2.5		1.3	1.9
29	B H - 3313	60.3		51.0	55.7	94.7		91.7	93.2	27.4		24.4	25.9	2.5		2.3	2.4
30	B H - 3314	59.0		50.7	54.8	93.0		89.7	91.3	26.5		23.3	24.9	2.3		2.3	2.3
31	B H - 3315	61.7		50.3	56.0	94.0		89.5	91.8	27.0		24.8	25.9	2.5		1.3	1.9
32	B H - 3316	60.0		50.7	55.3	93.7		90.4	92.0	25.0		21.1	23.0	2.5		2.0	2.3
33	CARGIL 900M	61.7		50.0	55.8	94.7		91.6	93.2	28.3		23.5	25.9	2.5		2.0	2.3
34	HISHELL	60.3		51.3	55.8	92.7		91.3	92.0	27.3		22.6	24.9	2.5		2.3	2.4
	CHECKS:																
35	*DECCAN - 103*	57.0		50.3	53.7	92.3		90.3	91.3	25.0		21.2	23.1	2.3		2.0	2.2
	MEAN LOCATION	59.2		52.0	55.6	93.8		92.0	92.9	26.5		22.9	24.7	2.4		2.0	2.2
	C.D. AT 5%=	4.3		2.5	3.4	2.5		2.8	2.6	1.9		2.2	2.1	0.3		1.0	0.7
	C.V. % =	4.5		3.0	-	1.6		1.8	-	4.4		6.0	-	8.1		32.0	-
	F (Prob)	.654		.000	-	.004		.000	-	.000		.000	-	.057		.345	-

TABLE NO. 58 (CONT.)

Sl No	PEDIGREE	EAR ASPECT *			HUSK COVER *			UNIFORMITY *			PLANT HT(cm)	EAR HT(cm)	STAND AT HARVEST	
		HYDE	AKOL MAHA	ZN 4 MEAN	HYDE	AKOL MAHA	ZN 4 MEAN	HYDE	AKOL MAHA	ZN 4 MEAN	AKOL MAHA	AKOL MAHA	HYDE	AKOL MAHA
1	B H - 3285	2.0	2.3	2.2	2.0	2.3	2.2	2.5	2.3	2.4	178	93	15	15
2	B H - 3286	2.5	1.3	1.9	2.3	2.3	2.3	2.7	1.3	2.0	187	115	10	13
3	B H - 3287	2.7	3.0	2.8	2.3	2.0	2.2	2.7	2.7	2.7	187	99	7	14
4	B H - 3288	2.5	2.3	2.4	2.2	1.7	1.9	2.3	1.0	1.7	186	103	13	14
5	B H - 3289	2.5	1.7	2.1	2.3	1.7	2.0	2.8	1.0	1.9	188	98	13	15
6	B H - 3290	2.7	2.0	2.3	2.5	2.0	2.3	2.3	2.0	2.2	189	98	11	14
7	B H - 3291	2.3	2.0	2.2	2.0	1.7	1.8	2.5	3.3	2.9	197	96	13	14
8	B H - 3292	2.3	2.0	2.2	2.5	1.7	2.1	2.3	1.3	1.8	214	88	10	15
9	B H - 3293	2.7	2.0	2.3	2.3	1.7	2.0	2.5	2.0	2.3	178	106	11	14
10	B H - 3294	2.2	2.0	2.1	2.2	2.3	2.3	2.5	1.7	2.1	190	89	13	14
11	B H - 3295	2.2	1.7	1.9	2.3	1.3	1.8	2.6	1.3	2.0	188	99	11	14
12	B H - 3296	2.7	2.0	2.3	2.5	1.3	1.9	2.7	1.7	2.2	220	95	10	14
13	B H - 3297	2.3	2.3	2.3	2.5	1.3	1.9	2.3	1.3	1.8	217	100	14	14
14	B H - 3298	2.7	1.7	2.2	2.0	2.0	2.0	2.5	2.7	2.6	188	99	15	14
15	B H - 3299	2.2	1.7	1.9	2.2	2.0	2.1	2.5	1.7	2.1	197	100	13	14
16	B H - 3300	2.3	1.7	2.0	2.0	2.3	2.2	2.3	2.3	2.3	207	94	17	14
17	B H - 3301	2.2	2.3	2.3	2.3	1.3	1.8	2.2	2.0	2.1	185	95	17	13
18	B H - 3302	2.8	2.3	2.6	2.3	2.3	2.3	2.8	1.7	2.3	204	117	12	13
19	B H - 3303	2.5	2.3	2.4	2.2	1.7	1.9	2.5	3.0	2.8	190	103	18	14
20	B H - 3304	2.7	2.0	2.3	2.0	1.7	1.8	2.5	2.7	2.6	180	101	10	14
21	B H - 3305	2.3	2.3	2.3	2.3	1.7	2.0	2.3	2.0	2.2	195	109	13	15
22	B H - 3306	2.3	2.0	2.1	2.8	1.5	2.1	2.5	2.5	2.5	206	105	13	15
23	B H - 3307	2.2	2.0	2.1	2.2	2.7	2.4	2.5	2.0	2.3	185	102	11	14
24	B H - 3308	2.2	1.7	1.9	2.2	1.7	1.9	2.5	2.7	2.6	204	110	14	15
25	B H - 3309	2.2	2.0	2.1	2.2	1.7	1.9	2.3	2.3	2.3	204	117	14	14
26	B H - 3310	3.0	2.7	2.8	2.3	1.0	1.7	2.8	1.3	2.1	172	93	10	14
27	B H - 3311	2.5	2.0	2.3	2.3	1.7	2.0	2.5	2.3	2.4	191	101	13	14
28	B H - 3312	2.8	3.7	3.3	2.2	1.3	1.8	2.3	2.0	2.2	200	95	11	14
29	B H - 3313	2.2	2.0	2.1	2.3	2.3	2.3	2.3	1.7	2.0	204	110	14	14
30	B H - 3314	2.5	1.3	1.9	2.0	2.0	2.0	2.3	2.3	2.3	201	124	12	14
31	B H - 3315	2.2	1.7	1.9	2.3	1.3	1.8	2.5	2.3	2.4	187	110	12	14
32	B H - 3316	2.0	2.7	2.3	2.0	1.7	1.8	2.3	1.7	2.0	176	98	12	14
33	CARGIL 900M	2.0	2.0	2.0	2.3	1.3	1.8	2.5	1.7	2.1	183	94	11	15
34	HISHELL	2.0	1.7	1.8	2.2	2.3	2.3	2.7	2.0	2.3	210	91	16	14
	CHECKS:													
35	DECCAN - 103	2.5	3.0	2.8	2.2	1.0	1.6	2.3	2.7	2.5	201	104	11	13
	MEAN LOCATION	2.4	2.1	2.2	2.3	1.8	2.0	2.5	2.0	2.2	194	101	13	14
	C.D. AT 5%=	0.5	0.9	0.7	0.5	1.1	0.8	0.4	1.4	0.9	16.7	7.6	5.3	1.4
	C.V. % =	13.0	27.3	-	13.6	37.4	-	8.9	42.8	-	5.3	4.6	25.8	6.0
	F (Prob)	.003	.004	-	.446	.243	-	.072	.181	-	.000	.000	.081	.443

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 59

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT MAHABEEJ AKOLA IN TRIAL No. TR401D DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE AKOL	MAHA	R	POLL. SHED 50% AKOL	MAHA	SILK -ING 50% AKOL	MAHA	DRY HUSK 50% AKOL	MAHA	MOIST -URE % HARV AKOL	MAHA	PLANT ASP. * AKOL	MAHA	EAR ASP. * AKOL	MAHA	HUSK COV. * AKOL	MAHA	UNIFO -RMITY * AKOL	MAHA	PLANT HT. (cm) AKOL	MAHA	EAR HT. (cm) AKOL	MAHA	STAND AT HARV AKOL	MAHA
1	B H - 3339	4664		4	47.3		51.7		91.7		20.9		1.7		2.0		1.7		1.3		189		87		15	
2	B H - 3340	3108		16	53.0		57.3		98.3		23.2		3.3		2.3		2.0		3.7		173		100		15	
3	B H - 3341	2668		20	49.3		53.7		94.7		25.8		1.7		2.3		2.7		1.7		204		85		15	
4	B H - 3342	4374		8	46.3		50.7		89.0		23.8		1.7		1.3		1.7		1.3		203		93		14	
5	B H - 3343	4428		6	50.3		54.0		95.0		20.3		2.7		1.3		1.7		2.0		184		85		14	
6	B H - 3344	4552		5	46.0		50.3		89.0		25.7		2.3		1.3		1.7		1.7		190		118		14	
7	B H - 3345	4903		2	50.3		53.7		94.7		21.5		3.0		1.7		2.0		3.7		184		77		15	
8	B H - 3346	3647		10	48.7		52.3		93.0		23.3		1.3		2.3		2.3		1.3		208		100		14	
9	B H - 3347	3007		18	47.7		50.7		87.7		23.1		3.3		3.3		1.7		2.7		178		81		14	
10	B H - 3348	4866		3	47.3		51.3		88.6		23.5		2.7		2.0		2.3		1.7		201		89		15	
11	B H - 3349	3104		17	48.3		52.7		92.7		25.0		2.7		1.7		1.7		1.7		178		103		14	
12	B H - 3350	3551		11	47.7		52.0		92.0		22.3		2.7		1.3		1.3		1.7		181		119		13	
13	B H - 3351	3482		12	47.3		51.7		88.4		22.1		2.3		2.0		1.3		1.7		187		101		12	
14	B H - 3352	3276		14	49.0		52.7		94.4		23.8		3.0		2.0		1.7		1.3		192		107		15	
15	B H - 3353	3732		9	48.7		52.3		91.0		20.5		2.3		3.0		1.7		2.7		183		106		15	
16	B H - 3354	3216		15	49.3		53.3		91.3		23.5		2.3		2.0		2.7		1.7		173		113		14	
17	B H - 3355	3289		13	49.0		53.0		90.3		22.3		2.7		2.0		2.0		1.7		193		105		14	
18	CARGILL 900M	4413		7	49.3		53.0		93.7		24.3		2.0		3.0		2.3		2.7		191		105		15	
19	HISHELL	5223		1	48.7		53.0		91.7		22.5		2.0		2.0		1.7		1.7		179		103		14	
	CHECKS:																									
20	DECCAN - 103	2937		19	49.7		53.7		94.7		21.5		2.0		2.3		2.0		2.7		193		110		14	
	MEAN YIELD=	3822			-		-		-		-		-		-		-		-		-		-		-	
	MEAN STAND	14			48.7		52.7		92.1		22.9		2.4		2.1		1.9		2.0		188		99		14	
	C.D. AT 5%=	651			2.1		2.4		2.9		2.7		1.0		1.2		1.1		1.0		12.1		6.8		1.1	
	C.V. % =	10.31			2.6		2.8		1.9		7.0		25.3		34.0		36.2		30.6		3.9		4.1		4.6	
	F (Prob)	.000			.000		.001		.000		.003		.005		.039		.510		.000		.000		.000		.009	
	PLOT SIZE=	2.70																								
	AGRONOMY DATA:																									
	SOWI. DATE(2002)	28-06																								
	HARV. DATE(2002)	-																								
	IRRIGATION Nos	-																								
	FERTILIZER APP.N	-																								
	P	-																								
	K	-																								

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : HYDE 27.9%

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 60

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT BELIPAR GORAKHPUR, HYDERABAD, KARIMNAGAR IN TRIAL No. TR402A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										DAYS TO 50% POLLEN SHED				
		GORA BELI	R	HYDE	R	KARI	R	ZN 4 MEAN	R	OV'L MEAN	R	GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN
1	B H - 3420	5007	18	4550	11	6678	17	5614	15	5412	17	57.3	56.3	53.0	54.7	55.6
2	B H - 3421	5304	15	5873	2	6380	19	6127	10	5853	15	59.0	56.7	56.0	56.3	57.2
3	B H - 3422	6506	8	5603	3	8683	1	7143	1	6931	3	60.0	58.3	55.0	56.7	57.8
4	B H - 3423	6464	9	5143	8	7171	13	6157	8	6259	8	60.7	58.3	55.3	56.8	58.1
5	B H - 3424	5512	13	5280	6	8008	5	6644	3	6267	7	61.3	57.3	55.0	56.2	57.9
6	B H - 3425	5261	16	6173	1	7548	8	6860	2	6327	5	53.7	55.5	55.0	55.3	54.7
7	B H - 3426	4061	20	3261	19	7226	11	5244	18	4849	19	56.0	54.7	55.0	54.8	55.2
8	B H - 3427	5158	17	3329	18	7246	10	5287	17	5244	18	53.3	54.0	53.3	53.7	53.6
9	B H - 3428	5456	14	4917	9	7809	6	6363	7	6061	11	53.3	53.7	54.7	54.2	53.9
10	B H - 3429	5656	12	4194	14	8074	4	6134	9	5975	13	54.7	54.0	55.0	54.5	54.6
11	B H - 3430	6562	6	3807	15	8259	3	6033	11	6209	9	52.0	55.0	54.3	54.7	53.8
12	NMH - 603	6910	4	4519	12	7046	15	5782	13	6158	10	56.3	55.7	54.7	55.2	55.6
13	JKMH - 480	6901	5	3768	16	7107	14	5438	16	5925	14	56.3	56.0	53.3	54.7	55.2
14	NECH - 113	6281	10	3549	17	6924	16	5237	19	5585	16	57.7	55.7	55.3	55.5	56.2
15	NECH - 123	6012	11	5395	5	7488	9	6442	5	6298	6	56.7	55.5	55.0	55.3	55.7
16	MAIZE - 0202	8450	1	4668	10	8430	2	6549	4	7183	1	56.7	56.7	56.0	56.3	56.4
17	PMZ - 356	7382	3	4477	13	7219	12	5848	12	6360	4	59.7	54.7	54.0	54.3	56.1
18	MAHIBEEK	4394	19	3056	20	6571	18	4813	20	4674	20	59.5	54.5	54.5	54.5	56.2
19	CARGILL 900M	6549	7	5488	4	6022	20	5755	14	6019	12	59.7	58.7	53.3	56.0	57.2
20	HISHELL	8420	2	5227	7	7625	7	6426	6	7091	2	60.7	59.5	54.3	56.9	58.2
	MEAN YIELD=	6112		4614		7376		5995		6034		57.2	56.0	54.6	55.3	56.0
	MEAN STAND	34		25		41		33		33		-	-	-	-	-
	C.D. AT 5%=	745		873		1851		1362		1156		1.3	1.7	1.9	1.8	-
	C.V. % =	7.38		11.46		15.20		-		-		1.4	1.9	2.1	-	-
	F (Prob)	.000		.000		.332		-		-		.000	.000	.109	-	-
	PLOT SIZE=	6.00		7.50		7.50		-		-						
	AGRONOMY DATA:															
	SOWING DATE(2002)	18-06		18-07		29-07		-		-						
	HARVEST DATE(2002)	24-09		7-11		10-11		-		-						
	IRRIGATION Nos	-		12		4		-		-						
	FERTILIZER APPLIED N	120		120		150		-		-						
	P	60		60		60		-		-						
	K	60		30		30		-		-						

TABLE NO. 60 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SILKING GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN	DAYS TO 50% DRY HUSK GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN	MOISTURE % HARVEST GORA BELI	ZN 4 HYDE	OV'L MEAN
1	B H - 3420	60.3	59.3	56.7	58.0	58.8	97.3	94.0	95.3	94.7	95.6	27.2	24.4	25.8
2	B H - 3421	62.0	59.3	58.3	58.8	59.9	95.7	93.3	94.0	93.7	94.3	29.3	25.0	27.2
3	B H - 3422	64.7	61.3	54.7	58.0	60.2	96.7	94.0	96.0	95.0	95.6	29.8	25.5	27.7
4	B H - 3423	63.0	61.3	57.3	59.3	60.6	97.0	94.3	96.7	95.5	96.0	30.1	25.0	27.6
5	B H - 3424	64.0	60.3	57.3	58.8	60.6	98.7	94.7	95.0	94.8	96.1	29.4	25.5	27.5
6	B H - 3425	56.3	58.0	57.0	57.5	57.1	98.7	95.0	94.3	94.7	96.0	29.6	25.7	27.7
7	B H - 3426	58.7	57.3	58.3	57.8	58.1	97.3	89.7	93.3	91.5	93.4	27.2	22.1	24.7
8	B H - 3427	56.0	56.0	56.3	56.2	56.1	93.7	86.3	92.3	89.3	90.8	26.2	20.7	23.4
9	B H - 3428	56.0	55.7	57.3	56.5	56.3	93.7	90.0	94.0	92.0	92.6	25.4	25.0	25.2
10	B H - 3429	56.7	56.3	58.0	57.2	57.0	94.0	87.7	93.0	90.3	91.6	26.3	25.7	26.0
11	B H - 3430	54.3	57.7	57.3	57.5	56.4	94.7	90.7	94.7	92.7	93.3	27.1	23.5	25.3
12	NMH - 603	59.7	58.3	58.0	58.2	58.7	90.0	90.7	94.3	92.5	91.7	27.7	25.0	26.3
13	JKMH - 480	58.7	59.0	56.3	57.7	58.0	89.0	89.7	94.0	91.8	90.9	28.0	23.6	25.8
14	NECH - 113	60.0	58.3	58.0	58.2	58.8	94.7	84.3	96.0	90.2	91.7	28.3	25.9	27.1
15	NECH - 123	59.3	58.5	57.3	57.9	58.4	87.0	94.0	96.3	95.2	92.4	28.4	24.7	26.5
16	MAIZE - 0202	58.7	59.7	55.0	57.3	57.8	93.7	94.0	95.3	94.7	94.3	28.0	22.6	25.3
17	PMZ - 356	62.0	57.7	55.7	56.7	58.4	93.3	88.7	94.7	91.7	92.2	28.9	28.0	28.5
18	MAHIBEEK	62.5	57.0	56.5	56.8	58.7	91.5	90.0	90.5	90.3	90.7	26.6	22.7	24.6
19	CARGILL 900M	62.0	61.3	55.7	58.5	59.7	98.3	95.3	94.3	94.8	96.0	27.4	27.3	27.3
20	HISHELL	62.7	62.5	56.7	59.6	60.6	96.0	91.0	95.0	93.0	94.0	28.3	26.5	27.4
	MEAN LOCATION	59.9	58.8	56.9	57.8	58.5	94.5	91.4	94.5	92.9	93.5	28.0	24.7	26.3
	C.D. AT 5%=	2.0	2.0	2.9	2.4	-	1.3	5.3	2.7	4.0	-	0.8	1.3	-
	C.V. % =	2.0	2.1	3.0	-	-	0.8	3.5	1.7	-	-	1.8	3.3	-
	F (Prob)	.000	.000	.366	-	-	.000	.003	.010	-	-	.000	.000	-

TABLE NO. 60 (CONT.)

Sl No	PEDIGREE	PLANT ASPET * GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN	EAR ASPECT * GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN	HUSK COVER * GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN
1	B H - 3420	2.0	2.7	2.7	2.7	2.4	2.2	2.5	1.7	2.1	2.1	2.0	2.5	1.7	2.1	2.1
2	B H - 3421	2.0	2.3	2.7	2.5	2.3	2.5	2.0	2.3	2.2	2.3	2.5	2.3	2.0	2.2	2.3
3	B H - 3422	2.0	2.3	2.3	2.3	2.2	2.2	2.0	1.0	1.5	1.7	2.2	2.0	2.0	2.0	2.1
4	B H - 3423	2.0	2.5	2.3	2.4	2.3	2.5	2.2	1.0	1.6	1.9	2.0	2.2	2.0	2.1	2.1
5	B H - 3424	2.3	2.3	2.7	2.5	2.4	2.3	2.5	2.0	2.3	2.3	2.3	2.2	2.0	2.1	2.2
6	B H - 3425	2.0	2.5	2.3	2.4	2.3	2.5	2.0	1.7	1.8	2.1	2.2	2.5	1.0	1.8	1.9
7	B H - 3426	2.3	2.5	3.0	2.8	2.6	2.8	2.5	3.0	2.8	2.8	2.2	2.2	2.3	2.3	2.2
8	B H - 3427	2.3	2.7	3.3	3.0	2.8	3.0	2.5	2.3	2.4	2.6	2.2	2.3	2.3	2.3	2.3
9	B H - 3428	2.3	2.5	2.7	2.6	2.5	2.5	2.3	1.7	2.0	2.2	2.0	2.2	2.7	2.4	2.3
10	B H - 3429	2.2	2.3	2.7	2.5	2.4	2.5	2.5	2.3	2.4	2.4	2.3	2.2	2.0	2.1	2.2
11	B H - 3430	2.0	2.7	2.7	2.7	2.4	2.3	2.5	2.0	2.3	2.3	2.5	2.2	2.3	2.3	2.3
12	NMH - 603	2.0	2.3	2.7	2.5	2.3	2.3	2.5	2.7	2.6	2.5	2.0	2.2	2.7	2.4	2.3
13	JKMH - 480	2.0	2.7	3.0	2.8	2.6	2.0	2.3	1.7	2.0	2.0	2.2	2.3	2.7	2.5	2.4
14	NECH - 113	2.2	2.5	2.3	2.4	2.3	2.5	2.7	1.7	2.2	2.3	2.0	2.3	1.7	2.0	2.0
15	NECH - 123	2.0	2.3	2.0	2.1	2.1	2.0	2.0	1.3	1.7	1.8	1.7	2.3	1.0	1.6	1.6
16	MAIZE - 0202	2.0	2.5	2.7	2.6	2.4	2.0	2.3	1.3	1.8	1.9	2.0	2.0	2.0	2.0	2.0
17	PMZ - 356	2.0	2.7	3.0	2.8	2.6	2.0	2.7	2.0	2.3	2.2	1.8	2.3	1.7	2.0	1.9
18	MAHIBEEK	2.5	3.0	3.0	3.0	2.8	3.0	3.0	2.5	2.8	2.8	2.0	2.3	2.0	2.1	2.1
19	CARGILL 900M	2.0	2.3	2.0	2.2	2.1	2.0	2.2	1.0	1.6	1.7	2.0	2.5	1.3	1.9	1.9
20	HISHELL	2.3	2.5	1.7	2.1	2.2	2.0	2.0	1.0	1.5	1.7	2.0	2.0	1.0	1.5	1.7
	MEAN LOCATION	2.1	2.5	2.6	2.5	2.4	2.4	2.4	1.8	2.1	2.2	2.1	2.2	1.9	2.1	2.1
	C.D. AT 5%=	0.3	0.4	0.8	0.6	-	0.6	0.3	1.1	0.7	-	0.3	0.5	0.7	0.6	-
	C.V. % =	7.6	8.6	19.6	-	-	14.7	8.8	35.9	-	-	9.2	13.8	21.0	-	-
	F (Prob)	.001	.025	.045	-	-	.005	.000	.008	-	-	.001	.747	.000	-	-

TABLE NO. 60 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * GORA BELI	HYDE	KARI	ZN 4 MEAN	OV'L MEAN	PLANT HEIGHT (cm) GORA BELI	ZN 4 KARI	OV'L MEAN	EAR HEIGHT (cm) GORA BELI	ZN 4 KARI	OV'L MEAN
1	B H - 3420	1.8	2.7	2.7	2.7	2.4	129	145	137	60	54	57
2	B H - 3421	2.2	2.3	3.3	2.8	2.6	158	174	166	82	84	83
3	B H - 3422	2.3	2.5	2.3	2.4	2.4	194	178	186	85	70	78
4	B H - 3423	1.5	2.5	2.3	2.4	2.1	191	172	182	84	75	79
5	B H - 3424	2.0	2.3	3.0	2.7	2.4	195	182	189	81	75	78
6	B H - 3425	1.7	2.5	1.7	2.1	1.9	150	162	156	53	66	59
7	B H - 3426	2.3	2.3	3.0	2.7	2.6	143	171	157	65	78	71
8	B H - 3427	2.0	2.7	2.3	2.5	2.3	148	174	161	66	73	70
9	B H - 3428	2.3	2.5	3.0	2.8	2.6	150	166	158	65	68	66
10	B H - 3429	2.2	2.3	3.0	2.7	2.5	172	170	171	82	66	74
11	B H - 3430	2.2	2.7	2.3	2.5	2.4	167	170	169	82	76	79
12	NMH - 603	1.7	2.5	2.7	2.6	2.3	167	168	168	73	66	70
13	JKMH - 480	1.8	2.7	2.7	2.7	2.4	168	173	171	66	68	67
14	NECH - 113	2.3	2.5	1.7	2.1	2.2	159	172	166	66	70	68
15	NECH - 123	2.2	2.3	1.3	1.8	1.9	165	187	176	67	77	72
16	MAIZE - 0202	1.5	2.5	2.7	2.6	2.2	163	173	168	78	62	70
17	PMZ - 356	1.7	2.7	2.7	2.7	2.3	154	174	164	82	68	75
18	MAHIBEEK	2.5	3.0	2.5	2.8	2.7	142	161	151	61	55	58
19	CARGILL 900M	2.3	2.8	2.0	2.4	2.4	164	170	167	73	67	70
20	HISHELL	1.8	2.3	1.7	2.0	1.9	166	168	167	80	75	78
	MEAN LOCATION	2.0	2.5	2.4	2.5	2.3	162	170	166	72	70	71
	C.D. AT 5%=	0.5	0.4	1.0	0.7	-	15.8	13.9	-	14.5	12.1	-
	C.V. % =	14.3	10.0	23.7	-	-	5.9	4.9	-	12.1	10.5	-
	F (Prob)	.001	.061	.006	-	-	.000	.002		.000	.002	-

TABLE NO. 60 (CONT.)

Sl No	PEDIGREE	EAR NO./PLANT GORA BELI	HYDE	KARI	OV'L MEAN	STAND AT HARVEST GORA BELI	HYDE	KARI	OV'L MEAN
1	B H - 3420	0.99	1.01	1.03	1.01	24	20	40	28
2	B H - 3421	0.99	1.01	0.97	0.99	32	32	46	37
3	B H - 3422	0.98	1.02	1.02	1.01	39	33	43	38
4	B H - 3423	1.02	1.03	0.98	1.01	34	30	40	35
5	B H - 3424	1.00	1.03	0.94	0.99	31	22	40	31
6	B H - 3425	0.98	1.02	1.10	1.03	36	27	40	34
7	B H - 3426	0.99	1.05	1.02	1.02	34	30	39	34
8	B H - 3427	1.05	1.02	1.05	1.04	37	27	41	35
9	B H - 3428	1.01	1.01	1.01	1.01	34	27	43	35
10	B H - 3429	0.99	0.97	1.00	0.99	34	29	42	35
11	B H - 3430	1.01	1.01	0.95	0.99	40	27	40	36
12	NMH - 603	1.03	1.03	1.00	1.02	35	28	40	34
13	JKMH - 480	0.98	1.02	0.98	0.99	36	22	42	34
14	NECH - 113	0.98	1.00	0.98	0.99	36	25	40	33
15	NECH - 123	1.05	1.01	0.98	1.02	33	23	42	32
16	MAIZE - 0202	0.99	9.00	1.06	3.68	38	28	40	35
17	PMZ - 356	0.96	1.04	0.90	0.97	38	17	43	33
18	MAHIBEEK	1.01	1.01	0.97	1.00	33	18	43	31
19	CARGILL 900M	0.99	7.68	1.04	3.24	28	12	39	26
20	HISHELL	0.98	8.36	1.08	3.47	33	27	38	33
	MEAN LOCATION	-	-	-	-	34	25	41	33
	C.D. AT 5%=	-	-	-	-	3.1	6.6	5.2	-
	C.V. % =	-	-	-	-	5.5	15.8	7.7	-
	F (Prob)	-	-	-	-	.000	.000	.385	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 61

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT KARIMNAGAR, COIMBATORE IN TRIAL No. TR402B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE KARI	R	COIM	R	ZN 4 MEAN	R	% SUPERIORITY OVER THE DECCAN-103 KARI	COIM	ZN 4 MEAN
1	B H - 3431	7786	16	5824	14	6805	17	-	-	-
2	B H - 3432	9302	11	6312	11	7807	13	10.68	-	-
3	B H - 3433	9803	7	4780	18	7291	16	16.63	-	-
4	B H - 3434	7916	15	9763	4	8840	8	-	4.11	-
5	B H - 3435	9626	10	9553	5	9590	4	14.53	1.88	7.86
6	B H - 3436	10390	2	5581	16	7986	11	23.62	-	-
7	B H - 3437	10259	3	11132	2	10696	2	22.06	18.72	20.30
8	B H - 3438	10019	6	6852	9	8435	10	19.20	-	-
9	B H - 3439	10162	4	11641	1	10901	1	20.90	24.14	22.61
10	B H - 3440	11382	1	6418	10	8900	6	35.42	-	0.10
11	B H - 3441	6864	18	10673	3	8768	9	-	13.82	-
12	B H - 3442	8537	13	6067	13	7302	15	1.57	-	-
13	B H - 3443	10128	5	9523	6	9825	3	20.50	1.55	10.51
14	B H - 3444	9649	9	5797	15	7723	14	14.80	-	-
15	B H - 3445	9698	8	6213	12	7955	12	15.38	-	-
16	CARGILL 900M	7449	17	5442	17	6446	18	-	-	-
17	HISHELL	8943	12	9269	8	9106	5	6.41	-	2.42
	CHECKS:									
18	DECCAN - 103	8405	14	9377	7	8891	7	-	-	-
	MEAN YIELD=	9240		7790		8515				
	MEAN STAND	20		18		19				
	C.D. AT 5%=	2982		1896		2439				
	C.V. % =	19.47		14.68		-				
	F (Prob)	.265		.000						
	PLOT SIZE=	3.75		3.75		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	29-07		5-07		-				
	HARVEST DATE(2002)	10-11		22-10		-				
	IRRIGATION Nos	4		8		-				
	FERTILIZER APPLIED N	150		135		-				
	P	60		63		-				
	K	60		50		-				

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : HYDE 34.1%

TABLE NO. 61 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SHED POLLEN KARI	COIM	ZN 4 MEAN	50% SILKING KARI	COIM	ZN 4 MEAN	DRY HUSK KARI	COIM	ZN 4 MEAN	MOIST. % COIM
1	B H - 3431	54.0	59.0	56.5	56.7	61.0	58.8	94.3	105.7	100.0	16.3
2	B H - 3432	52.3	57.7	55.0	55.0	60.0	57.5	96.3	103.3	99.8	16.9
3	B H - 3433	52.7	58.0	55.3	55.0	59.0	57.0	93.7	104.0	98.8	16.4
4	B H - 3434	54.7	56.0	55.3	56.0	58.3	57.2	95.0	102.7	98.8	17.0
5	B H - 3435	53.3	54.0	53.7	55.3	56.0	55.7	95.3	100.7	98.0	17.1
6	B H - 3436	53.3	60.0	56.7	57.0	61.3	59.2	96.0	102.3	99.2	16.8
7	B H - 3437	54.3	53.7	54.0	57.3	56.3	56.8	93.3	101.7	97.5	16.3
8	B H - 3438	52.7	57.0	54.8	56.3	59.3	57.8	94.3	106.7	100.5	17.2
9	B H - 3439	54.0	54.0	54.0	56.7	57.0	56.8	94.0	100.3	97.2	18.1
10	B H - 3440	53.3	56.0	54.7	55.7	58.7	57.2	94.7	103.3	99.0	17.5
11	B H - 3441	54.3	55.0	54.7	56.3	58.3	57.3	93.7	100.7	97.2	16.1
12	B H - 3442	54.3	54.0	54.2	56.3	56.7	56.5	91.7	99.7	95.7	17.2
13	B H - 3443	53.3	56.0	54.7	55.3	58.0	56.7	92.7	105.3	99.0	17.5
14	B H - 3444	53.3	48.0	50.7	55.0	50.7	52.8	91.3	97.0	94.2	16.5
15	B H - 3445	52.3	46.3	49.3	55.3	49.0	52.2	94.3	91.3	92.8	16.3
16	CARGILL 900M	54.0	59.0	56.5	56.0	61.3	58.7	96.3	106.3	101.3	16.7
17	HISHELL	54.0	57.3	55.7	56.3	59.3	57.8	95.3	102.7	99.0	15.7
	CHECKS:										
18	DECCAN - 103	54.7	55.7	55.2	57.7	57.7	57.7	93.3	101.7	97.5	16.2
	MEAN LOCATION	53.6	55.4	54.5	56.1	57.7	56.9	94.2	102.0	98.1	16.8
	C.D. AT 5%=	2.2	0.8	1.5	2.5	0.9	1.7	2.2	2.9	-	0.9
	C.V. % =	2.5	0.9	-	2.7	1.0	-	1.4	1.7	-	3.2
	F (Prob)	.485	.000	-	.628	.000	-	.001	.000	-	.000

TABLE NO. 61 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * KARI	PLANT ASPECT * COIM	PLANT ASPECT * ZN 4 MEAN	EAR ASPECT * KARI	EAR ASPECT * COIM	EAR ASPECT * ZN 4 MEAN	HUSK COVER * KARI	HUSK COVER * COIM	HUSK COVER * ZN 4 MEAN	UNIFORMITY * KARI	UNIFORMITY * COIM	UNIFORMITY * ZN 4 MEAN
1	B H - 3431	2.3	1.0	1.7	1.3	2.0	1.7	1.3	2.0	1.7	2.0	3.0	2.5
2	B H - 3432	1.7	2.0	1.8	1.3	1.3	1.3	2.3	1.7	2.0	1.3	2.0	1.7
3	B H - 3433	1.7	2.0	1.8	1.3	1.0	1.2	1.7	2.0	1.8	1.7	2.0	1.8
4	B H - 3434	2.7	2.0	2.3	2.0	1.0	1.5	2.0	2.0	2.0	2.3	3.0	2.7
5	B H - 3435	1.7	1.7	1.7	1.3	2.0	1.7	1.3	2.7	2.0	1.7	3.7	2.7
6	B H - 3436	2.3	1.7	2.0	1.7	1.3	1.5	2.7	2.3	2.5	1.7	2.7	2.2
7	B H - 3437	3.0	1.3	2.2	1.3	1.7	1.5	2.0	2.0	2.0	3.0	1.7	2.3
8	B H - 3438	2.3	2.0	2.2	2.7	1.7	2.2	2.7	2.7	2.7	3.0	2.0	2.5
9	B H - 3439	2.7	2.0	2.3	2.0	1.0	1.5	2.3	2.0	2.2	2.0	1.3	1.7
10	B H - 3440	2.3	2.0	2.2	1.7	1.0	1.3	1.7	2.0	1.8	2.7	3.7	3.2
11	B H - 3441	2.3	1.3	1.8	2.0	1.7	1.8	1.7	2.0	1.8	2.3	3.3	2.8
12	B H - 3442	3.0	2.7	2.8	1.7	2.3	2.0	2.3	2.0	2.2	2.7	2.3	2.5
13	B H - 3443	3.7	1.7	2.7	2.7	1.7	2.2	2.0	1.7	1.8	3.0	3.0	3.0
14	B H - 3444	2.7	1.7	2.2	2.0	1.3	1.7	1.3	2.0	1.7	2.7	2.0	2.3
15	B H - 3445	2.7	2.0	2.3	1.7	1.7	1.7	2.3	1.7	2.0	2.7	2.0	2.3
16	CARGILL 900M	2.0	1.3	1.7	1.7	2.0	1.8	2.0	1.7	1.8	2.0	2.7	2.3
17	HISHELL	2.3	1.0	1.7	2.0	2.0	2.0	1.7	2.0	1.8	2.0	2.0	2.0
	CHECKS:												
18	DECCAN - 103	2.3	2.0	2.2	2.0	1.3	1.7	2.0	2.3	2.2	2.7	2.3	2.5
	MEAN LOCATION	2.4	1.7	2.1	1.8	1.6	1.7	2.0	2.0	2.0	2.3	2.5	2.4
	C.D. AT 5%=	1.1	0.6	0.9	1.0	0.7	0.8	1.0	0.6	0.8	0.8	0.9	0.9
	C.V. % =	26.8	21.7	-	32.7	27.5	-	31.0	19.0	-	21.9	23.0	-
	F (Prob)	.065	.001	-	.156	.005	-	.167	.069	-	.002	.000	-

TABLE NO. 61 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) KARI	COIM	ZN 4 MEAN	EAR HEIGHT (cm) KARI	COIM	ZN 4 MEAN	EAR NO./PLANT KARI	COIM	ZN 4 MEAN	STAND AT HARVEST KARI	COIM	ZN 4 MEAN
1	B H - 3431	184	204	194	83	108	95	0.93	1.00	0.97	22	19	21
2	B H - 3432	187	220	203	84	105	95	0.94	1.05	1.00	20	18	19
3	B H - 3433	200	193	196	81	97	89	1.06	1.02	1.04	18	19	19
4	B H - 3434	173	212	192	79	86	83	1.04	1.00	1.02	21	18	20
5	B H - 3435	169	187	178	76	87	82	0.91	1.00	0.96	22	18	20
6	B H - 3436	182	195	188	79	93	86	1.03	1.04	1.03	20	19	20
7	B H - 3437	163	182	173	72	87	80	1.04	1.02	1.03	21	18	20
8	B H - 3438	184	194	189	79	83	81	1.09	1.02	1.05	19	18	19
9	B H - 3439	174	185	180	78	93	86	1.10	1.00	1.05	19	18	19
10	B H - 3440	180	163	171	83	72	77	1.05	1.00	1.02	20	18	19
11	B H - 3441	174	167	170	75	67	71	0.99	1.00	1.00	20	18	19
12	B H - 3442	170	201	186	72	85	79	1.01	1.00	1.01	20	18	19
13	B H - 3443	131	151	141	53	59	56	0.90	1.04	0.97	22	18	20
14	B H - 3444	144	187	166	59	57	58	1.10	1.00	1.05	21	18	20
15	B H - 3445	168	164	166	61	62	62	0.97	1.02	1.00	22	18	20
16	CARGILL 900M	167	175	171	62	71	67	0.87	1.00	0.93	20	19	19
17	HISHELL	164	190	177	74	89	82	1.02	1.04	1.03	20	19	19
	CHECKS:												
18	DECCAN - 103	161	188	175	67	84	76	0.96	1.00	0.98	19	18	18
	MEAN LOCATION	171	187	179	73	83	78	-	-	-	20	18	19
	C.D. AT 5%=	15.8	9.7	12.8	9.6	4.7	7.2	-	-	-	4.7	0.9	2.8
	C.V. % =	5.6	3.1	-	7.9	3.5	-	-	-	-	14.0	3.0	-
	F (Prob)	.000	.000	-	.000	.000	-	-	-	-	.835	.140	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 62

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR501 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R
1	WC - 231	4228	7	2499	8	5802	3	3271	9	3950	6
2	CHH - 207	3661	11	2648	3	5375	5	3798	3	3871	8
3	JKMH - 051	5520	2	2594	6	5760	4	4472	1	4586	1
4	E H - 1395	2555	13	2259	13	4105	13	3359	7	3070	13
5	E H - 1396	4110	8	2388	10	5221	6	3728	5	3862	9
6	E H - 1397	3843	10	2639	4	4430	11	3295	8	3552	10
7	E H - 1398	3337	12	2779	2	4719	9	2776	12	3403	11
8	NMH - 5710	5874	1	2413	9	6160	2	2974	11	4355	2
9	E C - - 3126	4796	6	2604	5	4811	8	3765	4	3994	5
	CHECKS:										
10	GANGA - 11	3982	9	2307	12	5163	7	2095	13	3387	12
11	NAVJOT	4982	3	2502	7	4635	10	4115	2	4059	4
12	DECCAN - 103	4918	4	2940	1	4255	12	3378	6	3873	7
13	MAHI DHAWAL	4831	5	2315	11	6235	1	3087	10	4117	3
	MEAN YIELD=	4357		2530		5129		3393		3852	
	MEAN STAND	34		25		26		25		28	
	C.D. AT 5%=	1022		486		1399		660		892	
	C.V. % =	16.38		11.42		16.23		13.59		-	
	F (Prob)	.000		.091		.126		.000			
	PLOT SIZE=	6.00		6.00		6.00		6.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	3-07		20-07		4-07		29-06		-	
	HARVEST DATE(2002)	3-10		15-10		16-10		9-10		-	
	IRRIGATION Nos	-		-		-		-		-	
	FERTILIZER APPLIED N	120		80		100		100		-	
	P	60		60		50		50		-	
	K	-		-		-		30		-	

TABLE NO. 62 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 UDAI	BANS	GODH	CHHI	ZN 5 MEAN	NAVJOT UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	6.17	8.31	12.38	56.15	16.63	-	-	25.19	-	-
2	CHH - 207	-	14.81	4.11	81.30	14.29	-	5.86	15.97	-	-
3	JKMH - 051	38.62	12.44	11.56	113.47	35.42	10.78	3.68	24.27	8.66	13.00
4	E H - 1395	-	-	-	60.32	-	-	-	-	-	-
5	E H - 1396	3.22	3.53	1.12	77.93	14.03	-	-	12.64	-	-
6	E H - 1397	-	14.41	-	57.29	4.88	-	5.49	-	-	-
7	E H - 1398	-	20.49	-	32.52	0.48	-	11.09	1.81	-	-
8	NMH - 5710	47.52	4.60	19.31	41.94	28.60	17.90	-	32.91	-	7.31
9	E C - - 3126	20.45	12.88	-	79.72	17.93	-	4.08	3.80	-	-
	CHECKS:										
10	GANGA - 11	-	-	-	-	-	-	-	11.39	-	-
11	NAVJOT	25.12	8.45	-	96.45	19.84	-	-	-	-	-
12	DECCAN - 103	23.51	27.47	-	61.25	14.36	-	17.53	-	-	-
13	MAHI DHAWAL	21.33	0.34	20.76	47.34	21.56	-	-	34.52	-	1.43

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 UDAI	BANS	GODH	CHHI	ZN 5 MEAN	MAHI DHAWAL UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	-	-	36.37	-	1.99	-	7.95	-	5.98	-
2	CHH - 207	-	-	26.33	12.43	-	-	14.42	-	23.04	-
3	JKMH - 051	12.23	-	35.37	32.38	18.42	14.25	12.06	-	44.88	11.41
4	E H - 1395	-	-	-	-	-	-	-	-	8.81	-
5	E H - 1396	-	-	22.70	10.34	-	-	3.18	-	20.76	-
6	E H - 1397	-	-	4.11	-	-	-	14.02	-	6.75	-
7	E H - 1398	-	-	10.90	-	-	-	20.08	-	-	-
8	NMH - 5710	19.44	-	44.78	-	12.45	21.59	4.25	-	-	5.79
9	E C - - 3126	-	-	13.07	11.45	3.13	-	12.49	-	21.97	-
	CHECKS:										
10	GANGA - 11	-	-	21.34	-	-	-	-	-	-	-
11	NAVJOT	1.31	-	8.93	21.82	4.80	3.13	8.09	-	33.33	-
12	DECCAN - 103	-	-	-	-	-	1.80	27.04	-	9.44	-
13	MAHI DHAWAL	-	-	46.53	-	6.30	-	-	-	-	-

TABLE NO. 62 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED UDAI	BANS	GODH	CHHI	ZN 5 MEAN	DAYS TO 50 % SILKING UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	55.5	46.7	53.0	59.8	53.7	57.0	50.7	56.7	61.3	56.4
2	CHH - 207	52.0	43.7	52.0	54.8	50.6	54.8	48.3	55.7	56.5	53.8
3	JKMH - 051	55.8	48.7	50.7	57.8	53.2	57.5	52.7	55.7	58.5	56.1
4	E H - 1395	45.3	41.7	48.7	49.5	46.3	48.0	46.0	52.3	50.5	49.2
5	E H - 1396	46.8	47.0	50.3	49.5	48.4	49.3	51.0	54.3	50.5	51.3
6	E H - 1397	50.0	43.0	54.0	54.3	50.3	54.3	47.3	57.7	55.0	53.6
7	E H - 1398	50.0	47.7	49.3	54.8	50.4	52.8	51.7	54.7	56.8	54.0
8	NMH - 5710	54.3	47.3	48.7	58.0	52.1	56.3	51.3	52.3	59.5	54.9
9	E C - - 3126	55.8	50.7	53.0	57.0	54.1	58.5	54.7	57.0	63.3	58.4
	CHECKS:										
10	GANGA - 11	55.5	47.7	54.3	58.0	53.9	58.0	51.7	58.3	61.0	57.3
11	NAVJOT	52.8	42.7	51.3	55.8	50.6	55.3	46.7	55.3	57.3	53.6
12	DECCAN - 103	52.5	43.7	51.3	58.3	51.4	55.0	48.3	55.3	60.8	54.9
13	MAHI DHAWAL	53.8	47.7	50.3	59.5	52.8	56.3	51.7	54.7	62.5	56.3
	MEAN LOCATION	52.3	46.0	51.3	55.9	51.4	54.8	50.2	55.4	57.9	54.6
	C.D. AT 5%=	1.1	2.8	4.1	2.5	2.6	1.4	2.8	4.6	2.1	2.7
	C.V. % =	1.4	3.6	4.7	3.2	-	1.8	3.3	4.9	2.5	-
	F (Prob)	.000	.000	.103	.000	-	.000	.000	.265	.000	-

Sl No	PEDIGREE	DAYS TO 50 % DRY HUSK UDAI	BANS	GODH	CHHI	ZN 5 MEAN	MOISTURE % AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	84.8	83.3	81.7	92.5	85.6	17.4	16.4	17.9	15.1	16.7
2	CHH - 207	100.8	82.3	84.3	86.5	88.5	19.2	16.9	17.1	15.8	17.3
3	JKMH - 051	85.3	85.7	83.3	93.5	86.9	18.7	15.9	19.3	15.6	17.4
4	E H - 1395	74.0	82.7	80.3	84.5	80.4	17.2	16.5	18.4	15.4	16.9
5	E H - 1396	97.8	87.7	80.0	89.5	88.7	14.9	16.7	16.7	15.7	16.0
6	E H - 1397	80.0	81.3	86.3	86.5	83.5	14.8	16.4	18.3	15.4	16.2
7	E H - 1398	83.5	84.7	88.3	89.0	86.4	16.6	16.5	18.0	15.9	16.7
8	NMH - 5710	86.0	83.0	84.3	91.5	86.2	19.6	16.2	15.2	16.2	16.8
9	E C - - 3126	85.8	86.3	84.0	92.0	87.0	16.2	16.0	17.5	16.4	16.5
	CHECKS:										
10	GANGA - 11	83.5	85.3	83.3	92.5	86.2	18.0	16.9	15.7	16.5	16.8
11	NAVJOT	106.3	81.7	81.7	90.0	89.9	16.0	16.7	16.5	15.4	16.2
12	DECCAN - 103	85.3	82.0	84.0	93.0	86.1	16.3	16.5	17.4	16.5	16.7
13	MAHI DHAWAL	106.5	82.3	80.7	88.0	89.4	16.5	16.2	16.9	16.0	16.4
	MEAN LOCATION	89.2	83.7	83.3	89.9	86.5	17.0	16.4	17.3	15.8	16.7
	C.D. AT 5%=	2.3	2.6	3.8	1.9	2.7	0.4	0.8	1.9	0.3	0.9
	C.V. % =	1.8	1.8	2.7	1.5	-	1.6	2.9	6.5	1.4	-
	F (Prob)	.000	.000	.005	.000	-	.000	.334	.011	.000	-

TABLE NO. 62 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	2.2	2.8	1.8	1.8	2.2	2.0	2.5	2.5	1.8	2.2
2	CHH - 207	2.4	2.8	2.0	1.5	2.2	2.0	2.7	2.3	1.5	2.1
3	JKMH - 051	2.2	2.7	1.8	1.3	2.0	1.8	2.7	2.8	1.3	2.1
4	E H - 1395	2.4	2.8	2.3	1.8	2.3	2.5	2.8	3.2	1.8	2.6
5	E H - 1396	2.5	2.7	2.2	1.8	2.3	2.0	2.3	3.0	1.8	2.3
6	E H - 1397	2.2	2.3	2.2	1.8	2.1	2.2	2.2	2.7	1.8	2.2
7	E H - 1398	2.3	2.7	2.2	1.8	2.2	1.9	2.5	3.0	1.8	2.3
8	NMH - 5710	2.5	3.0	2.0	1.8	2.3	1.7	2.8	2.3	1.8	2.1
9	E C - - 3126	2.2	2.7	2.0	1.3	2.0	2.2	2.7	2.8	1.5	2.3
	CHECKS:										
10	GANGA - 11	2.2	2.7	2.0	1.5	2.1	2.0	2.5	2.5	1.8	2.2
11	NAVJOT	2.3	2.3	1.8	1.5	2.0	1.9	2.0	3.0	1.3	2.0
12	DECCAN - 103	2.4	2.3	2.0	1.5	2.0	2.0	2.7	2.7	1.5	2.2
13	MAHI DHAWAL	2.3	2.7	1.8	1.5	2.1	1.9	2.3	2.7	1.8	2.2
	MEAN LOCATION	2.3	2.7	2.0	1.6	2.1	2.0	2.5	2.7	1.6	2.2
	C.D. AT 5%=	0.2	0.4	0.6	0.2	0.4	0.3	0.6	0.6	0.3	0.5
	C.V. % =	7.1	9.5	18.4	10.6	-	11.7	13.7	14.0	10.8	-
	F (Prob)	.119	.065	.856	.000	-	.005	.163	.197	.000	-

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	2.3	2.7	2.0	1.8	2.2	2.3	2.7	2.5	1.8	2.3
2	CHH - 207	2.4	2.7	2.7	1.3	2.3	2.2	2.7	2.7	1.3	2.2
3	JKMH - 051	2.5	2.7	2.2	1.3	2.1	2.5	2.5	2.0	1.3	2.0
4	E H - 1395	2.4	2.8	3.2	2.0	2.6	2.4	2.7	3.2	1.8	2.5
5	E H - 1396	2.3	2.7	2.5	1.8	2.3	2.3	2.7	2.7	1.5	2.3
6	E H - 1397	2.3	2.3	2.3	1.5	2.1	2.3	2.5	2.3	1.0	2.0
7	E H - 1398	2.4	2.7	2.7	1.3	2.2	2.3	2.7	2.8	1.8	2.4
8	NMH - 5710	2.3	2.7	2.3	2.0	2.3	2.3	2.8	2.2	2.0	2.3
9	E C - - 3126	2.2	2.5	3.0	1.3	2.2	2.3	2.7	2.7	1.3	2.2
	CHECKS:										
10	GANGA - 11	2.3	2.7	2.2	1.3	2.1	2.3	2.7	2.5	1.8	2.3
11	NAVJOT	2.4	2.2	2.5	1.5	2.1	2.3	2.2	2.3	1.5	2.1
12	DECCAN - 103	2.3	2.3	2.3	1.5	2.1	2.2	2.5	2.3	1.0	2.0
13	MAHI DHAWAL	2.3	2.7	2.3	1.5	2.2	2.3	2.5	2.2	1.5	2.1
	MEAN LOCATION	2.3	2.6	2.5	1.5	2.2	2.3	2.6	2.5	1.5	2.2
	C.D. AT 5%=	0.3	0.5	0.8	0.3	0.5	0.3	0.5	0.9	0.3	0.5
	C.V. % =	7.7	11.1	18.4	15.0	-	8.6	11.7	20.9	15.4	-
	F (Prob)	.631	.284	.160	.000	-	.923	.608	.403	.000	-

TABLE NO. 62 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	259	167	186	165	194	126	92	88	90	99
2	CHH - 207	220	145	178	163	176	104	67	83	83	84
3	JKMH - 051	244	165	198	155	190	113	53	91	93	87
4	E H - 1395	209	135	167	148	164	101	60	76	78	79
5	E H - 1396	238	118	170	156	171	113	53	72	80	79
6	E H - 1397	223	133	163	151	168	104	62	72	74	78
7	E H - 1398	228	138	188	150	176	101	57	89	68	79
8	NMH - 5710	229	140	162	155	171	99	57	77	64	74
9	E C - - 3126	254	143	202	161	190	130	65	99	84	94
	CHECKS:										
10	GANGA - 11	286	153	185	166	198	121	70	91	85	92
11	NAVJOT	241	173	189	159	191	103	78	83	75	85
12	DECCAN - 103	228	160	188	158	183	96	70	89	74	82
13	MAHI DHAWAL	260	133	187	161	185	123	50	92	91	89
	MEAN LOCATION	240	147	182	158	181	110	64	85	80	85
	C.D. AT 5%=	27.5	24.6	23.6	19.4	23.8	11.6	15.3	18.3	15.2	15.1
	C.V. % =	8.0	10.0	7.7	8.6	-	7.4	14.1	12.8	13.3	-
	F (Prob)	.000	.004	.028	.722	-	.000	.000	.114	.008	-

Sl No	PEDIGREE	EAR No./PLANT UDAI	BANS	GODH	ZN 5 MEAN	STAND AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	WC - 231	0.95	1.03	0.96	0.98	33	25	20	26	26
2	CHH - 207	0.97	1.00	0.99	0.98	36	28	28	31	31
3	JKMH - 051	0.94	1.36	1.05	1.11	34	20	31	27	28
4	E H - 1395	0.91	1.02	1.01	0.98	36	26	31	28	30
5	E H - 1396	0.93	0.94	1.01	0.96	36	23	22	21	25
6	E H - 1397	0.86	1.24	1.09	1.06	25	28	23	23	25
7	E H - 1398	0.93	1.01	1.01	0.98	40	21	28	28	29
8	NMH - 5710	0.92	1.16	0.96	1.02	31	25	26	19	25
9	E C - - 3126	0.93	1.04	1.00	0.99	35	27	25	22	27
	CHECKS:									
10	GANGA - 11	0.95	0.98	1.03	0.99	37	25	30	27	30
11	NAVJOT	0.92	0.96	1.04	0.97	37	24	26	24	28
12	DECCAN - 103	0.91	0.97	1.04	0.98	35	27	27	23	28
13	MAHI DHAWAL	0.98	1.11	1.05	1.04	30	23	26	25	26
	MEAN LOCATION	-	-	-	-	34	25	26	25	28
	C.D. AT 5%=	-	-	-	-	3.9	5.9	7.1	6.1	-
	C.V. % =	-	-	-	-	8.0	14.2	16.0	17.1	-
	F (Prob)	-	-	-	-	.000	.099	.116	.015	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 63

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR502 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R
1	W C - 232	4315	10	2488	6	4391	4	2656	16	3463	5
2	W C - 233	4860	3	1813	20	3473	15	2369	18	3129	15
3	C H H - 208	3776	17	2464	7	2798	19	3400	3	3110	17
4	C H H - 209	4742	4	2831	1	3644	11	1668	21	3221	13
5	M - 0201	4566	7	2688	3	4195	6	3074	7	3631	2
6	M - 0202	3851	16	2028	18	4506	3	3505	1	3472	3
7	MAHABEEJ - 1100	3600	18	2363	11	3643	12	2874	11	3120	16
8	X - 1452	2050	21	2080	16	2202	21	3445	2	2444	21
9	X - 1493	3261	20	1958	19	4599	2	3367	4	3296	11
10	I C - 9832	3328	19	2295	12	3232	16	2234	19	2772	20
11	E C - 3130	3967	14	2542	5	3861	10	2799	13	3292	12
12	E H - 3190	4278	11	2373	9	2949	17	3123	6	3181	14
13	E H - 1391	3963	15	2369	10	4084	7	2836	12	3313	10
14	E H - 1392	4735	5	2253	13	3528	14	3357	5	3468	4
15	E H - 3193	4092	12	2431	8	3875	9	2882	10	3320	9
16	E H - 1394	5269	2	2702	2	3630	13	2174	20	3444	6
17	N M H - 5708	6767	1	1708	21	5422	1	3055	9	4238	1
18	E C - 3129	4412	9	2197	14	3967	8	3068	8	3411	7
	CHECKS:										
19	SARTAJ	4652	6	2094	15	2806	18	2723	14	3069	18
20	MAHI DHAWAL	4014	13	2582	4	2353	20	2371	17	2830	19
21	NAVJOT	4453	8	2066	17	4261	5	2717	15	3374	8
	MEAN YIELD=	4236		2301		3687		2843		3267	
	MEAN STAND	32		24		18		21		24	
	C.D. AT 5%=	821		462		961		708		738	
	C.V. % =	13.71		12.16		15.80		17.62		-	
	F (Prob)	.000		.001		.001		.000			
	PLOT SIZE=	6.00		6.00		6.00		6.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	3-07		20-07		3-07		29-06		-	
	HARVEST DATE(2002)	1-10		25-10		8-10		10-10		-	
	IRRIGATION Nos	2		-		-		-		-	
	FERTILIZER APPLIED N	100		80		100		100		-	
	P	60		60		50		50		-	
	K	-		-		-		30		-	

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SARTAJ ZN 5 MEAN					MAHI DHAWAL ZN 5 MEAN				
		UDAI	BANS	GODH	CHHI		UDAI	BANS	GODH	CHHI	
1	W C - 232	-	18.81	56.50	-	12.83	7.51	-	86.60	12.01	22.35
2	W C - 233	4.47	-	23.77	-	1.95	21.10	-	47.57	-	10.55
3	C H H - 208	-	17.64	-	24.87	1.32	-	-	18.87	43.40	9.87
4	C H H - 209	1.92	35.19	29.86	-	4.96	18.14	9.64	54.83	-	13.82
5	M - 0201	-	28.36	49.52	12.90	18.31	13.76	4.11	78.27	29.65	28.30
6	M - 0202	-	-	60.57	28.72	13.15	-	-	91.45	47.82	22.69
7	MAHABEEJ-1100	-	12.82	29.83	5.56	1.66	-	-	54.79	21.22	10.24
8	X - 1452	-	-	-	26.53	-	-	-	-	45.30	-
9	X - 1493	-	-	63.92	23.65	7.41	-	-	95.43	42.00	16.47
10	I C - 9832	-	9.58	15.17	-	-	-	-	37.31	-	-
11	E C - 3130	-	21.37	37.60	2.79	7.28	-	-	64.06	18.05	16.33
12	E H - 3190	-	13.29	5.10	14.68	3.63	6.58	-	25.31	31.69	12.38
13	E H - 1391	-	13.10	45.55	4.16	7.96	-	-	73.54	19.62	17.07
14	E H - 1392	1.77	7.58	25.72	23.29	13.01	17.97	-	49.89	41.58	22.54
15	E H - 3193	-	16.07	38.11	5.85	8.19	1.97	-	64.67	21.56	17.32
16	E H - 1394	13.25	29.00	29.38	-	12.21	31.27	4.62	54.25	-	21.68
17	N M H - 5708	45.45	-	93.23	12.20	38.09	68.60	-	130.39	28.85	49.75
18	E C - 3129	-	4.92	41.39	12.67	11.15	9.92	-	68.58	29.38	20.53
	CHECKS:										
19	SARTAJ	-	-	-	-	-	15.92	-	19.23	14.84	8.44
20	MAHI DHAWAL	-	23.30	-	-	-	-	-	-	-	-
21	NAVJOT	-	-	51.84	-	9.94	10.96	-	81.04	14.56	19.22

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT UDAI	BANS	GODH	CHHI	ZN 5 MEAN	DAYS TO 50 % POLLEN SHED UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	-	20.45	3.07	-	2.62	50.8	42.3	44.7	56.0	48.4
2	W C - 233	9.14	-	-	-	-	50.0	43.7	43.3	54.0	47.8
3	C H H - 208	-	19.27	-	25.17	-	49.0	43.7	43.7	53.0	47.3
4	C H H - 209	6.48	37.06	-	-	-	50.8	43.0	43.0	55.5	48.1
5	M - 0201	2.52	30.14	-	13.17	7.61	52.0	40.3	43.7	55.8	47.9
6	M - 0202	-	-	5.75	29.03	2.91	53.3	45.0	44.3	56.3	49.7
7	MAHABEEJ - 1100	-	14.39	-	5.81	-	52.7	44.0	48.0	56.7	50.3
8	X - 1452	-	0.67	-	26.83	-	51.5	43.7	47.7	56.5	49.8
9	X - 1493	-	-	7.95	23.95	-	52.0	42.3	47.7	56.0	49.5
10	I C - 9832	-	11.10	-	-	-	48.3	42.3	43.3	54.0	47.0
11	E C - 3130	-	23.05	-	3.04	-	47.0	41.0	43.0	52.3	45.8
12	E H - 3190	-	14.86	-	14.95	-	49.5	43.3	43.0	52.5	47.1
13	E H - 1391	-	14.67	-	4.41	-	48.0	41.0	43.7	53.5	46.5
14	E H - 1392	6.32	9.07	-	23.58	2.79	48.5	43.0	43.7	53.5	47.2
15	E H - 3193	-	17.68	-	6.11	-	46.0	42.0	41.7	50.5	45.0
16	E H - 1394	18.31	30.78	-	-	2.06	47.0	41.0	43.0	53.5	46.1
17	N M H - 5708	51.95	-	27.26	12.47	25.61	51.5	45.3	47.3	54.8	49.7
18	E C - 3129	-	6.37	-	12.94	1.10	47.3	43.3	43.3	53.8	46.9
	CHECKS:										
19	SARTAJ	4.47	1.39	-	0.24	-	52.8	42.7	43.3	55.5	48.6
20	MAHI DHAWAL	-	25.01	-	-	-	53.8	41.0	44.7	60.3	49.9
21	NAVJOT	-	-	-	-	-	50.8	43.0	43.0	56.8	48.4
	MEAN LOCATION	-	-	-	-	-	50.1	42.7	44.2	54.8	48.0
	C.D. AT 5%=	-	-	-	-	-	1.5	1.5	0.9	2.5	1.6
	C.V. % =	-	-	-	-	-	2.2	2.1	1.2	3.2	-
	F (Prob)	-	-	-	-	-	.000	.000	.000	.000	-

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING					DAYS TO 50 % DRY HUSK				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	52.0	46.3	49.7	56.8	51.2	81.3	79.3	70.7	87.5	79.7
2	W C - 233	52.5	47.0	50.3	55.5	51.3	81.3	81.0	71.3	89.0	80.6
3	C H H - 208	51.0	48.3	49.7	53.5	50.6	77.8	81.7	70.7	89.0	79.8
4	C H H - 209	52.0	47.0	49.3	56.3	51.1	80.3	80.0	70.3	87.0	79.4
5	M - 0201	54.0	44.3	51.7	57.8	51.9	81.0	79.0	72.7	88.5	80.3
6	M - 0202	56.5	49.0	52.0	57.8	53.8	79.3	81.7	73.0	92.0	81.5
7	MAHABEEJ - 1100	55.3	48.7	52.7	57.0	53.4	84.3	82.7	73.3	86.5	81.7
8	X - 1452	53.8	47.3	52.3	58.3	52.9	77.0	80.7	73.3	90.5	80.4
9	X - 1493	53.5	47.3	51.7	57.0	52.4	78.5	81.7	72.7	90.5	80.8
10	I C - 9832	50.8	46.0	48.7	55.5	50.2	77.5	78.7	70.0	84.0	77.5
11	E C - 3130	49.0	45.0	49.0	54.5	49.4	77.8	79.7	70.0	88.0	78.9
12	E H - 3190	51.5	48.0	48.7	54.8	50.7	81.3	81.3	70.7	89.0	80.6
13	E H - 1391	50.3	45.0	49.0	54.5	49.7	79.0	82.0	70.0	87.5	79.6
14	E H - 1392	51.0	47.3	48.7	54.5	50.4	80.5	80.0	70.0	88.5	79.8
15	E H - 3193	48.0	45.3	47.0	52.3	48.1	79.8	79.0	68.0	85.0	77.9
16	E H - 1394	48.3	44.7	49.0	53.8	48.9	78.3	80.7	70.0	89.0	79.5
17	N M H - 5708	53.3	50.0	51.3	55.8	52.6	85.0	80.3	72.3	87.5	81.3
18	E C - 3129	50.0	48.0	49.0	56.5	50.9	79.3	79.0	70.0	85.5	78.4
	CHECKS:										
19	SARTAJ	55.3	45.7	49.0	57.5	51.9	85.3	81.3	70.0	89.0	81.4
20	MAHI DHAWAL	55.8	45.3	49.7	61.8	53.1	82.0	82.0	70.7	90.0	81.2
21	NAVJOT	52.5	47.3	49.7	58.8	52.1	81.3	80.0	70.7	89.5	80.4
	MEAN LOCATION	52.2	46.8	49.9	56.2	51.3	80.3	80.6	71.0	88.2	80.0
	C.D. AT 5%=	1.6	1.7	0.9	2.3	1.7	1.6	2.2	0.8	1.1	1.4
	C.V. % =	2.2	2.2	1.1	2.9	-	1.4	1.7	0.7	0.9	-
	F (Prob)	.000	.000	.000	.000	-	.000	.014	.000	.000	-

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	18.0	16.4	18.8	13.6	16.7	2.7	2.3	2.7	1.3	2.2
2	W C - 233	18.5	16.2	19.9	14.1	17.2	2.4	2.0	3.0	1.5	2.2
3	C H H - 208	17.9	16.0	16.5	14.1	16.1	2.7	2.0	3.0	1.3	2.2
4	C H H - 209	17.0	16.6	18.0	13.8	16.3	2.5	2.3	3.2	1.5	2.4
5	M - 0201	18.0	18.4	18.0	14.4	17.2	2.1	2.0	2.7	1.3	2.0
6	M - 0202	15.1	15.8	22.3	14.5	16.9	2.3	2.2	2.7	1.0	2.0
7	MAHABEEJ - 1100	19.0	16.2	18.0	13.9	16.8	2.7	2.7	2.5	1.5	2.3
8	X - 1452	16.2	16.0	18.8	13.9	16.2	3.3	2.3	2.5	1.3	2.3
9	X - 1493	16.0	15.7	17.8	14.3	15.9	2.5	2.2	2.5	1.3	2.1
10	I C - 9832	17.9	16.5	18.5	13.6	16.6	2.5	2.0	3.0	1.3	2.2
11	E C - 3130	17.0	15.7	12.5	13.8	14.7	2.7	2.2	2.7	1.5	2.3
12	E H - 3190	18.3	16.2	17.0	13.9	16.3	2.5	2.5	2.7	1.5	2.3
13	E H - 1391	17.1	15.9	17.5	14.3	16.2	2.6	2.0	2.0	1.5	2.0
14	E H - 1392	16.9	16.2	17.8	14.0	16.2	2.2	2.2	2.0	1.3	1.9
15	E H - 3193	17.8	16.2	16.8	13.6	16.1	2.9	2.2	2.5	1.5	2.3
16	E H - 1394	17.9	16.5	18.0	14.4	16.7	2.7	2.3	2.2	1.5	2.2
17	N M H - 5708	17.6	16.0	17.8	14.6	16.5	2.2	2.5	2.7	1.5	2.2
18	E C - 3129	19.0	16.6	19.9	14.8	17.6	2.6	2.5	2.5	1.3	2.2
	CHECKS:										
19	SARTAJ	18.1	16.8	19.5	14.2	17.1	2.2	2.0	3.0	1.5	2.2
20	MAHI DHAWAL	18.6	16.2	18.0	14.8	16.9	2.5	2.5	3.2	1.5	2.4
21	NAVJOT	18.0	16.3	14.5	14.4	15.8	2.5	2.5	2.7	1.5	2.3
	MEAN LOCATION	17.6	16.3	17.9	14.1	16.5	2.5	2.3	2.7	1.4	2.2
	C.D. AT 5%=	0.4	0.7	1.1	0.4	0.6	0.4	0.4	0.3	0.2	0.3
	C.V. % =	1.5	2.7	3.8	1.9	-	10.7	11.9	6.7	9.3	-
	F (Prob)	.000	.000	.000	.000	-	.000	.040	.000	.000	-

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	EAR ASPECT * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	HUSK COVER * UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	1.8	2.3	2.3	1.5	2.0	2.6	2.3	2.3	1.5	2.2
2	W C - 233	1.8	2.0	2.8	1.5	2.0	2.5	1.7	3.2	1.3	2.1
3	C H H - 208	2.3	2.0	3.0	1.5	2.2	2.7	2.2	3.5	1.3	2.4
4	C H H - 209	1.9	2.2	2.7	1.5	2.1	2.5	2.2	3.2	1.3	2.3
5	M - 0201	1.5	2.2	2.5	1.5	1.9	2.2	2.3	2.0	1.3	1.9
6	M - 0202	1.8	2.3	2.5	1.5	2.0	2.3	2.2	2.5	1.3	2.1
7	MAHABEEJ - 1100	2.4	2.5	3.3	2.0	2.5	2.4	2.5	1.8	1.5	2.1
8	X - 1452	3.2	2.2	2.2	1.3	2.2	3.3	2.0	2.7	1.3	2.3
9	X - 1493	2.0	2.2	2.0	1.3	1.9	2.4	2.5	2.7	1.3	2.2
10	I C - 9832	2.3	2.0	2.8	1.8	2.2	2.5	2.2	2.5	1.5	2.2
11	E C - 3130	2.0	2.0	3.2	1.8	2.2	2.7	2.3	2.7	1.5	2.3
12	E H - 3190	2.1	2.5	2.8	1.5	2.2	2.5	2.2	2.3	2.0	2.3
13	E H - 1391	2.3	2.3	3.2	1.8	2.4	2.6	2.2	1.7	1.5	2.0
14	E H - 1392	1.9	2.3	2.8	1.5	2.1	2.2	2.2	2.2	1.3	2.0
15	E H - 3193	2.0	2.3	2.8	1.5	2.2	2.9	2.3	2.3	1.3	2.2
16	E H - 1394	2.2	2.2	2.7	1.8	2.2	2.7	2.5	2.5	1.5	2.3
17	N M H - 5708	1.5	2.7	2.7	1.8	2.2	2.2	2.5	1.5	1.3	1.9
18	E C - 3129	1.9	2.3	3.2	2.0	2.3	2.7	2.3	1.7	1.3	2.0
	CHECKS:										
19	SARTAJ	2.0	1.8	2.5	1.8	2.0	2.3	2.2	3.0	1.5	2.3
20	MAHI DHAWAL	2.0	2.2	2.8	2.0	2.2	2.5	2.5	2.5	1.5	2.3
21	NAVJOT	1.9	2.5	2.8	1.5	2.2	2.5	2.3	1.7	1.5	2.0
	MEAN LOCATION	2.0	2.2	2.7	1.6	2.2	2.5	2.3	2.4	1.4	2.1
	C.D. AT 5%=	0.4	0.5	0.8	0.2	0.5	0.3	0.5	0.4	0.2	0.3
	C.V. % =	13.2	12.3	17.1	9.5	-	7.2	12.3	9.5	12.5	-
	F (Prob)	.000	.072	.123	.000	-	.000	.115	.000	.000	-

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	2.6	2.3	2.7	1.0	2.2	236	120	197	138	173
2	W C - 233	2.5	1.8	3.5	1.3	2.3	234	130	193	158	179
3	C H H - 208	2.7	2.2	3.0	1.0	2.2	248	133	203	153	184
4	C H H - 209	2.5	2.3	2.5	1.3	2.2	226	148	193	161	182
5	M - 0201	2.2	2.0	2.5	1.3	2.0	233	155	158	140	171
6	M - 0202	2.4	2.0	2.7	1.3	2.1	221	145	152	156	169
7	MAHABEEJ - 1100	2.6	2.3	2.0	1.5	2.1	240	152	153	130	169
8	X - 1452	3.6	2.3	3.0	1.5	2.6	225	142	167	144	169
9	X - 1493	2.3	2.2	2.5	1.3	2.1	206	143	147	138	158
10	I C - 9832	2.6	2.2	3.0	1.3	2.3	231	143	165	140	170
11	E C - 3130	2.7	2.2	2.8	1.5	2.3	236	148	173	146	176
12	E H - 3190	2.6	2.3	3.0	1.3	2.3	231	125	177	149	170
13	E H - 1391	2.5	2.5	2.0	1.3	2.1	225	127	167	149	167
14	E H - 1392	2.2	2.2	2.5	1.5	2.1	231	132	168	135	167
15	E H - 3193	2.9	2.5	3.0	1.0	2.3	193	115	163	141	153
16	E H - 1394	2.7	2.2	3.0	1.5	2.3	214	163	178	149	176
17	N M H - 5708	2.4	2.5	2.0	1.3	2.0	231	122	158	151	166
18	E C - 3129	2.8	2.7	2.5	1.5	2.4	219	183	203	148	188
	CHECKS:										
19	SARTAJ	2.4	2.3	2.5	1.3	2.1	231	125	173	149	170
20	MAHI DHAWAL	2.5	2.3	3.0	1.3	2.3	228	133	183	146	173
21	NAVJOT	2.7	2.3	2.0	1.3	2.1	243	133	157	153	171
	MEAN LOCATION	2.6	2.3	2.7	1.3	2.2	228	139	173	146	171
	C.D. AT 5%=	0.3	0.6	0.2	0.2	0.3	27.6	7.0	7.5	16.5	14.7
	C.V. % =	8.7	14.8	4.0	11.9	-	8.6	3.0	2.6	8.0	-
	F (Prob)	.000	.488	.000	.000	-	.082	.000	.000	.038	-

TABLE NO. 63 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR NO./PLANT UDAI	BANS	GODH	STAND AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 232	114	50	107	66	84	1.08	1.08	1.07	33	24	15	28	25
2	W C - 233	109	52	85	74	80	0.97	0.94	1.36	31	25	17	19	23
3	C H H - 208	114	68	113	76	93	0.98	1.01	1.37	29	22	20	19	23
4	C H H - 209	108	70	77	80	84	0.97	1.18	1.23	32	24	20	19	24
5	M - 0201	103	63	82	68	79	0.96	1.06	0.96	33	28	22	18	25
6	M - 0202	89	55	72	68	71	0.82	1.07	1.36	32	25	21	24	26
7	MAHABEEJ - 1100	88	63	83	48	71	0.93	1.01	1.28	27	23	8	16	19
8	X - 1452	94	65	73	68	75	0.98	1.08	1.07	35	25	23	27	27
9	X - 1493	86	45	73	69	68	0.76	1.05	1.26	35	25	23	27	27
10	I C - 9832	96	65	95	69	81	0.86	0.97	1.29	34	27	19	19	25
11	E C - 3130	99	65	88	69	80	0.87	1.17	1.24	30	22	16	16	21
12	E H - 3190	91	52	88	78	77	0.90	1.17	1.33	29	22	19	22	23
13	E H - 1391	93	62	92	69	79	0.91	1.03	1.16	36	24	22	23	26
14	E H - 1392	111	58	83	70	81	0.80	0.91	1.15	34	25	23	24	26
15	E H - 3193	81	52	82	65	70	0.94	1.01	1.15	37	21	12	20	22
16	E H - 1394	93	83	90	71	84	0.99	0.97	1.45	31	27	10	19	22
17	N M H - 5708	103	58	77	69	77	1.00	0.90	1.25	28	24	17	25	24
18	E C - 3129	101	75	98	73	87	0.88	0.95	1.24	30	25	16	22	23
	CHECKS:													
19	SARTAJ	93	50	92	64	74	1.02	1.02	1.54	36	24	23	19	25
20	MAHI DHAWAL	119	40	92	79	82	1.10	1.03	0.93	26	23	14	16	20
21	NAVJOT	104	65	72	74	79	0.94	0.93	1.42	34	20	14	21	22
	MEAN LOCATION	99	60	86	70	79	-	-	-	32	24	18	21	24
	C.D. AT 5%=	26.1	8.0	6.6	13.4	13.5	-	-	-	6.1	6.1	8.9	6.0	6.8
	C.V. % =	18.6	8.1	4.6	13.5	-	-	-	-	13.6	15.5	30.5	20.1	-
	F (Prob)	.254	.000	.000	.022	-	-	-	-	.018	.652	.038	.002	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 64

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL No. TR503 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE								ZN 5 MEAN	R
		UDAI	R	BANS	R	GODH	R	CHHI	R		
1	W C - 234	5310	7	2146	16	4259	10	3513	2	3807	8
2	W C - 235	4905	13	2691	5	4237	11	2097	18	3483	14
3	C H H - 210	5954	3	2669	7	4453	7	3788	1	4216	2
4	C H H - 211	5634	5	2400	12	4010	15	3333	4	3845	7
5	I C - 9701	4462	16	2922	1	4181	12	2575	17	3535	13
6	I C - 9728	4371	17	2381	14	4514	6	2583	16	3462	17
7	J K M H - 651	7806	1	2483	11	3304	16	2985	9	4144	4
8	E H - 1386	5214	8	2682	6	4096	13	2694	14	3672	12
9	E H - 1387	4962	11	2691	4	3098	17	3147	6	3475	16
10	E H - 1388	5055	10	2134	17	4057	14	2664	15	3478	15
11	E H - 1389	6111	2	2616	8	4979	4	3270	5	4244	1
12	E C - 3131	5824	4	2504	10	4406	8	2971	11	3926	6
13	E C - 3128	4960	12	1672	18	5979	1	3120	7	3933	5
14	E C - 3125	5125	9	2391	13	4649	5	2981	10	3786	9
15	E C - 3127	4883	14	2740	3	2831	18	3013	8	3367	18
	CHECKS:										
16	HIM - 129	4228	18	2554	9	5252	3	2715	13	3687	10
17	X- 3342	5594	6	2370	15	5380	2	3383	3	4182	3
18	MAHI KANCHAN	4752	15	2787	2	4293	9	2870	12	3675	11
	MEAN YIELD=	5286		2491		4332		2983		3773	
	MEAN STAND	37		25		21		21		26	
	C.D. AT 5%=	400		431		1323		623		694	
	C.V. % =	5.33		10.43		18.42		14.72		-	
	F (Prob)	.000		.000		.003		.176			
	PLOT SIZE=	6.00		6.00		6.00		6.00		-	
	AGRONOMY DATA:										
	SOWING DATE(2002)	3-07		20-07		3-07		29-06		-	
	HARVEST DATE(2002)	1-10		25-10		8-10		10-10		-	
	IRRIGATION Nos	2		-		-		-		-	
	FERTILIZER APPLIED N	90		80		100		100		-	
	P	60		60		50		50		-	
	K	-		-		-		30		-	

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 UDAI	BANS	GODH	CHHI	ZN 5 MEAN	X- 3342 UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	25.59	-	-	29.38	3.25	-	-	-	3.83	-
2	W C - 235	16.00	5.39	-	-	-	-	13.54	-	-	-
3	C H H - 210	40.81	4.51	-	39.49	14.33	6.44	12.59	-	11.94	0.81
4	C H H - 211	33.26	-	-	22.76	4.26	0.73	1.26	-	-	-
5	I C - 9701	5.52	14.44	-	-	-	-	23.29	-	-	-
6	I C - 9728	3.38	-	-	-	-	-	0.44	-	-	-
7	J K M H - 651	84.62	-	-	9.94	12.40	39.55	4.73	-	-	-
8	E H - 1386	23.31	5.04	-	-	-	-	13.17	-	-	-
9	E H - 1387	17.36	5.39	-	15.91	-	-	13.54	-	-	-
10	E H - 1388	19.57	-	-	-	-	-	-	-	-	-
11	E H - 1389	44.54	2.45	-	20.44	15.11	9.25	10.38	-	-	1.50
12	E C - 3131	37.75	-	-	9.41	6.48	4.12	5.62	-	-	-
13	E C - 3128	17.31	-	13.85	14.90	6.66	-	-	11.15	-	-
14	E C - 3125	21.22	-	-	9.77	2.69	-	0.87	-	-	-
15	E C - 3127	15.49	7.28	-	10.98	-	-	15.58	-	-	-
	CHECKS:										
16	HIM - 129	-	-	-	-	-	-	7.74	-	-	-
17	X- 3342	32.30	-	2.43	24.61	13.41	-	-	-	-	-
18	MAHI KANCHAN	12.39	9.15	-	5.70	-	-	17.59	-	-	-

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN UDAI	BANS	GODH	CHHI	ZN 5 MEAN	DAYS TO 50 % POLLEN SHED UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	11.75	-	-	22.41	3.58	53.0	44.3	43.3	54.5	48.8
2	W C - 235	3.21	-	-	-	-	52.0	40.7	43.3	53.0	47.3
3	C H H - 210	25.29	-	3.74	31.97	14.70	50.8	43.0	43.3	54.5	47.9
4	C H H - 211	18.57	-	-	16.14	4.60	49.5	41.7	43.7	51.3	46.5
5	I C - 9701	-	4.85	-	-	-	50.5	43.0	43.3	54.8	47.9
6	I C - 9728	-	-	5.16	-	-	49.3	41.0	42.0	50.5	45.7
7	J K M H - 651	64.27	-	-	4.02	12.76	51.8	41.7	43.7	53.8	47.7
8	E H - 1386	9.72	-	-	-	-	49.8	40.3	42.7	52.8	46.4
9	E H - 1387	4.42	-	-	9.66	-	50.3	42.7	43.0	53.3	47.3
10	E H - 1388	6.39	-	-	-	-	49.5	42.7	43.0	51.8	46.7
11	E H - 1389	28.60	-	16.00	13.95	15.48	49.5	40.7	43.3	52.8	46.6
12	E C - 3131	22.57	-	2.64	3.51	6.82	49.8	41.0	43.7	51.8	46.5
13	E C - 3128	4.38	-	39.30	8.70	7.00	50.5	41.7	43.0	52.8	47.0
14	E C - 3125	7.86	-	8.30	3.86	3.02	50.3	41.0	42.7	52.0	46.5
15	E C - 3127	2.76	-	-	5.00	-	49.8	39.3	43.7	53.0	46.4
	CHECKS:										
16	HIM - 129	-	-	22.35	-	0.32	46.8	37.3	42.0	51.3	44.3
17	X- 3342	17.71	-	25.32	17.89	13.78	50.0	41.7	43.7	53.3	47.1
18	MAHI KANCHAN	-	-	-	-	-	51.0	42.7	43.3	52.8	47.4
	MEAN LOCATION	-	-	-	-	-	50.2	41.5	43.1	52.8	46.9
	C.D. AT 5%=	-	-	-	-	-	0.9	2.0	0.9	1.4	1.3
	C.V. % =	-	-	-	-	-	1.2	2.9	1.2	1.9	-
	F (Prob)	-	-	-	-	-	.000	.000	.003	.000	-

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING					DAYS TO 50 % DRY HUSK				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	55.8	48.3	47.3	56.3	51.9	84.3	76.3	70.3	88.5	79.9
2	W C - 235	54.0	44.7	47.7	54.5	50.2	83.5	73.0	71.7	87.5	78.9
3	C H H - 210	52.3	47.0	48.3	55.0	50.6	83.5	71.0	72.3	89.0	79.0
4	C H H - 211	51.3	45.3	48.7	52.3	49.4	77.5	72.7	72.7	86.5	77.3
5	I C - 9701	53.5	46.3	48.7	56.5	51.3	83.3	70.3	72.7	87.5	78.4
6	I C - 9728	51.0	47.3	48.7	52.0	49.8	77.5	73.0	72.7	86.5	77.4
7	J K M H - 651	53.8	45.0	48.7	55.8	50.8	84.5	73.0	72.7	87.5	79.4
8	E H - 1386	51.8	44.0	48.0	54.5	49.6	78.8	71.0	72.0	87.0	77.2
9	E H - 1387	51.8	47.0	48.0	54.0	50.2	78.3	74.0	72.0	86.0	77.6
10	E H - 1388	51.8	47.3	48.3	53.0	50.1	79.8	71.7	72.7	85.0	77.3
11	E H - 1389	51.8	45.0	48.7	54.5	50.0	80.8	74.3	72.7	86.0	78.4
12	E C - 3131	51.0	45.0	49.0	53.0	49.5	79.0	72.0	73.0	87.5	77.9
13	E C - 3128	52.3	45.3	48.7	54.5	50.2	82.5	71.7	72.7	88.5	78.8
14	E C - 3125	52.5	45.0	48.7	52.8	49.7	78.0	72.3	72.7	86.0	77.3
15	E C - 3127	51.5	43.3	48.7	54.0	49.4	77.8	70.3	72.7	84.0	76.2
	CHECKS:										
16	HIM - 129	48.3	41.3	47.3	52.8	47.4	77.3	72.0	71.3	86.0	76.6
17	X- 3342	52.0	45.7	48.3	54.3	50.1	80.8	73.3	72.3	87.0	78.4
18	MAHI KANCHAN	52.5	47.0	48.3	54.5	50.6	79.3	74.0	73.3	85.0	77.9
	MEAN LOCATION	52.1	45.6	48.3	54.1	50.0	80.3	72.6	72.4	86.7	78.0
	C.D. AT 5%=	0.8	2.1	0.9	1.5	1.3	1.0	2.5	0.9	1.3	1.4
	C.V. % =	1.1	2.7	1.1	2.0	-	0.9	2.0	0.7	1.1	-
	F (Prob)	.000	.000	.012	.000	-	.000	.002	.000	.000	-

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	20.0	16.3	16.5	15.4	17.1	2.2	2.5	2.8	1.0	2.1
2	W C - 235	18.7	16.8	12.5	15.4	15.9	1.9	2.2	2.5	1.5	2.0
3	C H H - 210	20.1	16.7	11.8	16.7	16.3	1.8	2.3	3.0	1.0	2.0
4	C H H - 211	18.0	16.3	14.8	15.4	16.1	1.8	2.3	2.3	1.0	1.9
5	I C - 9701	17.8	16.7	17.8	16.1	17.1	1.9	2.8	3.0	1.5	2.3
6	I C - 9728	18.1	16.4	16.0	16.8	16.8	3.0	2.7	2.7	1.3	2.4
7	J K M H - 651	19.4	17.0	18.0	15.4	17.4	1.5	2.5	2.5	1.3	2.0
8	E H - 1386	17.5	16.1	14.1	15.6	15.9	2.0	2.0	3.0	1.5	2.1
9	E H - 1387	17.3	16.8	21.3	16.0	17.8	2.0	2.7	2.5	1.0	2.0
10	E H - 1388	17.6	16.3	18.5	16.4	17.2	2.3	2.5	2.5	1.0	2.1
11	E H - 1389	18.8	16.6	20.8	16.3	18.1	2.2	2.2	2.2	1.0	1.9
12	E C - 3131	19.0	16.2	18.5	15.3	17.2	2.2	2.7	2.8	1.3	2.2
13	E C - 3128	18.5	17.0	12.5	16.0	16.0	2.1	2.8	3.0	1.3	2.3
14	E C - 3125	18.3	16.0	15.8	16.3	16.6	2.2	2.7	3.0	1.3	2.3
15	E C - 3127	18.3	16.2	14.4	16.3	16.3	2.7	2.7	3.3	1.3	2.5
	CHECKS:										
16	HIM - 129	15.6	17.6	17.5	15.9	16.6	2.6	2.0	3.5	1.5	2.4
17	X- 3342	18.5	17.4	16.3	16.4	17.1	2.8	2.2	3.0	1.3	2.3
18	MAHI KANCHAN	16.7	16.9	15.0	15.9	16.1	2.3	2.3	2.0	1.0	1.9
	MEAN LOCATION	18.2	16.6	16.2	16.0	16.8	2.2	2.4	2.8	1.2	2.2
	C.D. AT 5%=	0.2	0.8	1.6	0.4	0.8	0.3	0.4	0.3	0.1	0.3
	C.V. % =	0.9	3.1	5.9	1.8	-	10.7	9.9	6.1	8.5	-
	F (Prob)	.000	.022	.000	.000	-	.000	.001	.000	.000	-

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	EAR ASPECT *					HUSK COVER *				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	2.5	2.5	3.3	1.3	2.4	1.6	2.5	2.3	1.5	2.0
2	W C - 235	2.0	2.3	2.2	1.3	1.9	1.8	2.5	3.0	1.5	2.2
3	C H H - 210	1.9	2.3	3.2	1.5	2.2	1.5	2.0	3.0	1.0	1.9
4	C H H - 211	2.0	2.2	3.3	1.3	2.2	1.7	2.3	2.7	1.3	2.0
5	I C - 9701	2.6	2.7	2.8	1.8	2.5	1.6	2.5	2.0	1.5	1.9
6	I C - 9728	2.6	2.5	2.8	1.5	2.4	2.3	2.7	3.3	1.5	2.5
7	J K M H - 651	1.9	2.5	2.7	1.0	2.0	1.6	2.5	1.5	1.3	1.7
8	E H - 1386	2.3	2.0	2.5	1.8	2.2	1.9	2.2	2.2	1.3	1.9
9	E H - 1387	2.3	2.7	2.8	1.3	2.3	2.0	2.5	2.0	1.0	1.9
10	E H - 1388	2.6	2.2	3.0	1.5	2.3	1.9	2.5	3.3	1.3	2.2
11	E H - 1389	2.2	2.2	3.2	1.5	2.2	2.1	2.2	2.0	1.0	1.8
12	E C - 3131	2.6	2.7	2.8	1.8	2.5	1.8	2.5	2.3	1.3	2.0
13	E C - 3128	2.0	2.8	2.7	1.5	2.3	1.8	2.7	2.7	1.5	2.1
14	E C - 3125	2.4	2.5	2.8	1.5	2.3	1.9	2.7	3.0	1.3	2.2
15	E C - 3127	2.8	2.7	3.5	1.8	2.7	2.5	2.7	3.3	1.5	2.5
	CHECKS:										
16	HIM - 129	2.3	2.0	2.3	1.5	2.0	2.0	2.3	3.3	1.5	2.3
17	X- 3342	2.5	2.2	2.3	1.0	2.0	2.0	2.2	2.5	1.5	2.0
18	MAHI KANCHAN	2.2	2.5	2.5	1.5	2.2	1.8	2.5	1.5	1.3	1.8
	MEAN LOCATION	2.3	2.4	2.8	1.4	2.2	1.9	2.4	2.6	1.3	2.0
	C.D. AT 5%=	0.5	0.5	0.7	0.2	0.5	0.4	0.5	0.3	0.2	0.4
	C.V. % =	14.1	13.7	14.8	9.7	-	16.0	12.4	8.1	9.6	-
	F (Prob)	.002	.086	.013	.000	-	.002	.248	.000	.000	-

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	UNIFORMITY * UDAI	BANS	GODH	CHHI	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	1.7	2.5	2.5	1.3	2.0	253	107	213	168	185
2	W C - 235	2.3	2.2	3.5	1.0	2.2	214	140	182	149	171
3	C H H - 210	2.2	2.2	3.3	1.0	2.2	236	123	177	158	173
4	C H H - 211	2.2	2.3	2.5	1.0	2.0	228	155	177	155	179
5	I C - 9701	2.1	2.7	2.5	1.5	2.2	215	133	163	155	167
6	I C - 9728	2.9	2.7	3.0	1.3	2.5	206	108	163	138	154
7	J K M H - 651	1.6	2.5	2.3	1.0	1.9	243	117	193	145	174
8	E H - 1386	2.2	2.3	2.5	1.0	2.0	224	170	163	135	173
9	E H - 1387	2.2	2.7	2.5	1.3	2.1	221	122	163	161	167
10	E H - 1388	2.1	2.5	3.0	1.0	2.1	216	98	193	153	165
11	E H - 1389	2.1	2.2	2.5	1.0	1.9	221	125	193	154	173
12	E C - 3131	2.3	2.7	2.5	1.3	2.2	226	142	168	148	171
13	E C - 3128	2.3	2.3	2.7	1.3	2.1	214	135	197	149	174
14	E C - 3125	2.3	2.8	3.5	1.0	2.4	216	138	183	148	171
15	E C - 3127	2.9	3.0	3.2	1.3	2.6	214	135	167	148	166
	CHECKS:										
16	HIM - 129	2.3	2.5	3.0	1.3	2.3	210	108	163	134	154
17	X- 3342	2.3	2.2	3.0	1.3	2.2	236	140	203	149	182
18	MAHI KANCHAN	2.5	2.2	2.5	1.0	2.0	209	153	173	161	174
	MEAN LOCATION	2.2	2.5	2.8	1.1	2.2	222	131	180	150	171
	C.D. AT 5%=	0.4	0.5	0.2	0.2	0.3	25.1	7.8	6.2	18.7	14.5
	C.V. % =	12.3	12.4	4.7	12.1	-	8.0	3.6	2.1	8.8	-
	F (Prob)	.000	.037	.000	.000	-	.027	.000	.000	.043	-

TABLE NO. 64 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	GODH	CHHI	ZN 5 MEAN	EAR NO./PLANT UDAI	BANS	GODH	STAND AT HARVEST UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	W C - 234	104	37	83	81	76	1.03	0.93	1.03	42	32	22	19	29
2	W C - 235	91	62	90	66	77	1.01	1.24	1.04	42	25	25	27	30
3	C H H - 210	100	57	118	79	88	1.00	1.07	1.10	40	28	23	22	28
4	C H H - 211	98	67	88	76	82	1.02	0.93	1.22	39	24	21	25	27
5	I C - 9701	99	53	90	75	79	1.02	0.98	1.70	32	22	20	23	24
6	I C - 9728	85	43	60	63	63	1.00	1.03	1.00	37	21	20	25	26
7	J K M H - 651	76	47	77	68	67	1.01	1.07	1.19	40	21	20	20	25
8	E H - 1386	99	65	82	58	76	1.04	0.96	1.24	34	23	20	21	24
9	E H - 1387	105	63	73	86	82	1.04	1.03	1.35	41	25	21	18	26
10	E H - 1388	100	37	113	74	81	1.04	0.94	1.31	35	19	26	23	26
11	E H - 1389	96	52	93	68	77	0.98	1.03	1.42	37	32	26	21	29
12	E C - 3131	99	77	78	69	81	1.03	1.18	1.43	36	25	14	18	23
13	E C - 3128	96	63	112	70	85	1.01	1.11	1.57	37	23	18	19	24
14	E C - 3125	93	58	102	70	81	1.02	1.02	1.40	31	19	13	19	21
15	E C - 3127	83	57	83	78	75	1.01	1.12	1.27	34	23	22	19	25
	CHECKS:													
16	HIM - 129	86	45	73	59	66	1.05	1.00	1.40	35	26	23	20	26
17	X- 3342	116	63	97	65	85	1.01	0.88	1.03	40	37	27	23	32
18	MAHI KANCHAN	100	65	63	84	78	1.00	1.06	1.36	40	24	18	22	26
	MEAN LOCATION	96	56	88	71	78	-	-	-	37	25	21	21	26
	C.D. AT 5%=	23.0	12.4	5.6	13.2	13.6	-	-	-	5.0	5.2	7.8	6.1	6.0
	C.V. % =	16.9	13.3	3.9	13.1	-	-	-	-	9.5	12.7	22.2	20.3	-
	F (Prob)	.233	.000	.000	.001	-	-	-	-	.000	.000	.043	.198	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 65

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS AT GODHRA, CHHINDIWARA IN TRIAL No. TR511 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GODH	R	CHHI	R	ZN 5 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 GODH	CHHI	ZN 5 MEAN
1	E H - 1399	5536	6	1927	7	3731	6	-	-	-
2	E H - 1400	5336	7	1351	15	3343	12	-	-	-
3	E H - 1401	5733	5	2765	1	4249	3	-	9.02	-
4	E H - 1402	6498	3	1698	12	4098	5	7.82	-	-
5	E H - 1403	6628	2	1908	8	4268	2	9.97	-	-
6	E H - 1404	5189	8	2033	6	3611	8	-	-	-
7	E H - 1405	6760	1	1614	13	4187	4	12.15	-	-
8	E H - 1406	4331	14	2607	2	3469	9	-	2.78	-
9	E H - 1407	4879	10	2532	4	3706	7	-	-	-
10	E H - 1408	5036	9	1523	14	3280	13	-	-	-
11	E H - 1409	4411	13	1729	11	3070	15	-	-	-
	CHECKS:									
12	X - 3342	6027	4	2536	3	4282	1	-	-	-
13	HIM-129	4592	12	1797	10	3195	14	-	-	-
14	MAHI KANCHAN	4271	15	2433	5	3352	10	-	-	-
15	P E H M - 2	4844	11	1844	9	3344	11	-	-	-
	MEAN YIELD=	5338		2020		3679				
	MEAN STAND	27		26		26				
	C.D. AT 5%=	1417		684		1051				
	C.V. % =	15.90		20.29		-				
	F (Prob)	.003		.564						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	4-07		30-06		-				
	HARVEST DATE(2002)	-		22-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	100		100		-				
	P	50		50		-				
	K	-		30		-				

TABLE NO. 65 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM-129 GODH	CHHI	ZN 5 MEAN	MAHI KANCHAN GODH	CHHI	ZN 5 MEAN	PEHM - 2 GODH	CHHI	ZN 5 MEAN
1	E H - 1399	20.55	7.22	16.80	29.62	-	11.32	14.28	4.51	11.59
2	E H - 1400	16.19	-	4.65	24.94	-	-	10.15	-	-
3	E H - 1401	24.84	53.84	33.00	34.24	13.62	26.76	18.36	49.96	27.07
4	E H - 1402	41.51	-	28.29	52.17	-	22.27	34.16	-	22.57
5	E H - 1403	44.33	6.17	33.60	55.20	-	27.33	36.83	3.49	27.64
6	E H - 1404	13.01	13.13	13.04	21.52	-	7.74	7.14	10.27	8.00
7	E H - 1405	47.20	-	31.06	58.28	-	24.91	39.55	-	25.22
8	E H - 1406	-	45.03	8.58	1.41	7.11	3.48	-	41.37	3.74
9	E H - 1407	6.26	40.89	16.00	14.26	4.06	10.56	0.74	37.34	10.83
10	E H - 1408	9.67	-	2.67	17.93	-	-	3.98	-	-
11	E H - 1409	-	-	-	3.29	-	-	-	-	-
	CHECKS:									
12	X - 3342	31.25	41.11	34.02	41.14	4.22	27.74	24.43	37.55	28.05
13	HIM-129	-	-	-	7.53	-	-	-	-	-
14	MAHI KANCHAN	-	35.40	4.92	-	-	-	-	31.99	0.25
15	P E H M - 2	5.48	2.59	4.67	13.42	-	-	-	-	-

Sl No	PEDIGREE	POLL. SHED GODH	DAYS TO 50% SILKING GODH	CHHI	ZN 5 MEAN	DAYS TO 50% DRY HUSK GODH	CHHI	ZN 5 MEAN	MOISTURE % AT HARVEST GODH	CHHI	ZN 5 MEAN
1	E H - 1399	46.7	51.3	57.0	54.2	77.0	84.0	80.5	11.6	13.7	12.6
2	E H - 1400	46.0	50.7	57.3	54.0	75.3	83.5	79.4	15.6	13.5	14.6
3	E H - 1401	43.7	49.0	54.0	51.5	75.0	84.0	79.5	16.4	13.5	14.9
4	E H - 1402	42.7	47.3	55.0	51.2	73.0	82.5	77.8	14.5	14.0	14.2
5	E H - 1403	45.0	49.3	56.0	52.7	76.7	84.5	80.6	15.3	16.0	15.6
6	E H - 1404	44.3	49.0	57.3	53.2	76.7	83.5	80.1	14.3	13.7	14.0
7	E H - 1405	44.3	49.0	52.0	50.5	76.3	83.5	79.9	13.4	14.1	13.7
8	E H - 1406	43.3	47.7	57.3	52.5	75.3	86.0	80.7	13.4	13.4	13.4
9	E H - 1407	44.3	48.7	55.7	52.2	76.3	87.0	81.7	14.0	14.7	14.4
10	E H - 1408	43.0	48.0	53.7	50.8	76.0	85.5	80.8	13.5	14.4	14.0
11	E H - 1409	45.0	49.3	57.3	53.3	75.3	90.0	82.7	14.5	15.1	14.8
	CHECKS:										
12	X - 3342	44.3	49.0	54.7	51.8	75.7	85.0	80.3	19.0	13.9	16.4
13	HIM-129	42.7	47.7	54.7	51.2	75.0	83.0	79.0	18.6	14.7	16.6
14	MAHI KANCHAN	43.3	47.3	58.7	53.0	73.7	84.5	79.1	18.2	14.5	16.3
15	P E H M - 2	46.0	50.3	57.7	54.0	79.0	84.5	81.8	17.0	14.9	15.9
	MEAN LOCATION	44.3	48.9	55.9	52.4	75.8	84.7	80.2	15.3	14.3	14.8
	C.D. AT 5%=	2.8	2.4	2.7	2.5	2.5	2.5	2.5	1.2	0.6	0.9
	C.V. % =	3.8	2.9	2.9	-	1.9	1.8	-	4.6	2.7	-
	F (Prob)	.121	.038	.001	-	.010	.000	-	.000	.000	-

TABLE NO. 65 (CONT.)

Sl No	PEDIGREE	PLANT ASP.*	EAR ASPECT *			HUSK COVER *			UNIF. *	PLANT HEIGHT (cm)		
		GODH	GODH	CHHI	ZN 5 MEAN	GODH	CHHI	ZN 5 MEAN	GODH	GODH	CHHI	ZN 5 MEAN
1	E H - 1399	2.2	3.2	2.3	2.7	2.7	1.5	2.1	2.3	169	110	140
2	E H - 1400	2.2	3.2	1.5	2.3	2.3	1.5	1.9	2.7	171	132	152
3	E H - 1401	2.8	3.0	2.0	2.5	2.8	1.8	2.3	2.5	157	132	144
4	E H - 1402	1.8	2.8	2.5	2.7	2.2	1.5	1.8	2.5	179	128	154
5	E H - 1403	2.0	3.0	2.0	2.5	2.5	1.3	1.9	2.3	175	120	147
6	E H - 1404	2.7	2.8	2.3	2.5	2.5	1.8	2.1	2.5	167	123	145
7	E H - 1405	2.0	3.0	2.3	2.6	2.3	1.3	1.8	2.5	163	130	147
8	E H - 1406	2.5	3.5	2.0	2.8	2.7	1.3	2.0	3.0	159	112	135
9	E H - 1407	1.8	2.8	1.8	2.3	2.0	1.3	1.6	2.0	160	123	142
10	E H - 1408	1.8	3.2	1.5	2.3	2.2	1.5	1.8	2.3	166	120	143
11	E H - 1409	2.3	2.7	1.8	2.2	2.2	1.5	1.8	2.5	181	135	158
	CHECKS:											
12	X - 3342	2.0	1.7	1.5	1.6	2.3	1.3	1.8	2.7	178	135	157
13	HIM-129	2.2	2.7	1.8	2.2	3.0	1.8	2.4	3.0	160	113	137
14	MAHI KANCHAN	2.8	3.2	2.3	2.7	2.5	1.3	1.9	2.7	158	127	142
15	P E H M - 2	2.2	3.0	2.3	2.6	2.5	1.5	2.0	2.8	169	125	147
	MEAN LOCATION	2.2	2.9	2.0	2.4	2.4	1.5	1.9	2.6	168	124	146
	C.D. AT 5%=	0.6	0.7	0.4	0.5	0.9	0.4	0.6	0.7	15.6	18.2	16.9
	C.V. % =	17.4	14.0	11.8	-	21.2	16.2	-	16.5	5.6	8.7	-
	F (Prob)	.026	.006	.000	-	.633	.054	-	.341	.033	.123	-

Sl No	PEDIGREE	EAR HEIGHT (cm)			EAR NO/ PLANT	STAND AT HARVEST		
		GODH	CHHI	ZN 5 MEAN	GODH	GODH	CHHI	ZN 5 MEAN
1	E H - 1399	82	55	69	1.00	29	22	26
2	E H - 1400	83	70	77	1.00	31	34	33
3	E H - 1401	72	67	69	1.03	28	22	25
4	E H - 1402	85	57	71	1.01	28	29	28
5	E H - 1403	72	48	60	1.00	29	24	27
6	E H - 1404	81	55	68	1.03	25	21	23
7	E H - 1405	76	68	72	1.02	27	31	29
8	E H - 1406	66	43	55	1.00	25	21	23
9	E H - 1407	70	57	64	1.06	24	22	23
10	E H - 1408	81	55	68	1.00	28	32	30
11	E H - 1409	85	62	73	1.02	24	31	28
	CHECKS:							
12	X - 3342	86	63	75	1.01	27	24	26
13	HIM-129	75	47	61	1.05	26	29	28
14	MAHI KANCHAN	67	52	59	1.00	23	18	21
15	P E H M - 2	80	55	67	1.03	25	25	25
	MEAN LOCATION	77	57	67	-	27	26	26
	C.D. AT 5%=	14.5	16.9	15.7	-	7.3	7.0	7.1
	C.V. % =	11.2	17.8	-	-	16.3	16.2	-
	F (Prob)	.085	.089	-	-	.707	.001	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 66

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR IN TRIAL No. TR511A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	POLL. SHED 50 % UDAI	SILK -ING 50% UDAI	DRY HUSK 50% UDAI	MOIS -TURE % UDAI	PLANT ASP. * UDAI	EAR ASP. * UDAI	HUSK COV. * UDAI	UNIF. * UDAI	PLANT HT. (cm) UDAI	EAR HT. (cm) UDAI	STAND AT HARV. UDAI
1	E H - 1399	3776	6	49.3	51.7	80.3	16.4	1.7	2.7	2.7	2.7	198	95	31
2	E H - 1400	3798	5	48.7	50.7	82.7	17.5	2.0	2.7	2.2	2.2	200	97	32
3	E H - 1401	3954	4	47.7	50.0	78.3	15.1	2.8	3.0	2.8	2.8	208	97	25
4	E H - 1402	3388	10	49.0	51.0	78.7	15.4	3.2	3.0	2.5	3.3	222	103	27
5	E H - 1403	3223	14	49.7	52.0	80.7	15.3	1.5	2.8	1.8	2.7	215	97	35
6	E H - 1404	4292	2	48.3	51.0	79.3	16.6	1.8	2.3	2.3	2.7	207	93	28
7	E H - 1405	2823	19	48.3	51.3	79.3	13.1	3.0	3.0	2.7	3.2	212	97	29
8	E H - 1406	3297	12	48.3	51.0	79.0	15.8	2.7	3.2	2.5	2.7	215	95	27
9	E H - 1407	4060	3	49.0	51.0	81.7	17.8	1.5	2.3	1.7	2.0	217	93	30
10	E H - 1408	2484	20	48.0	50.3	78.3	15.0	2.7	3.0	2.5	2.8	215	102	28
11	E H - 1409	2920	17	53.0	55.7	84.0	18.3	1.7	2.7	2.2	3.0	210	90	26
12	E C - 3121	4350	1	52.0	55.0	84.0	17.8	1.7	2.5	2.2	2.5	223	110	32
13	E C - 3108	3321	11	48.7	51.3	81.3	15.5	2.2	2.2	2.0	3.3	203	85	31
14	E C - 3110	3268	13	51.0	53.3	82.0	16.8	1.8	2.2	1.7	2.3	218	98	32
	CHECKS:													
15	X - 3342	3617	7	49.7	52.0	79.0	16.5	2.3	2.3	2.2	2.7	220	98	26
16	HIM - 129	2949	16	47.3	49.7	78.7	16.9	3.2	2.8	2.7	2.8	190	82	27
17	MAHI KANCHAN	3511	9	50.7	52.3	80.7	16.7	2.3	2.7	2.0	2.7	217	105	23
18	NAVJOT	2863	18	54.0	56.3	85.0	18.2	1.7	2.8	2.0	2.7	225	98	30
19	SURYA	3047	15	49.7	51.7	77.7	15.9	3.0	3.5	3.0	3.2	217	80	25
20	PEHM - 2	3615	8	52.0	54.3	83.7	16.5	1.7	2.8	2.2	2.8	222	97	29
	MEAN YIELD=	3428		-	-	-	-	-	-	-	-	-	-	-
	MEAN STAND	29		49.7	52.1	80.7	16.4	2.2	2.7	2.3	2.8	213	96	29
	C.D. AT 5%=	1086		1.5	1.4	1.6	0.4	0.6	0.5	0.4	0.6	16.9	13.2	2.4
	C.V. % =	19.19		1.8	1.6	1.2	1.6	15.1	12.1	11.7	12.7	4.8	8.4	4.9
	F (Prob)	.001		.000	.000	.000	.000	.000	.001	.000	.002	.010	.008	.000
	PLOT SIZE=	6.00												
	AGRONOMY DATA:													
	SOWING DATE(2002)	3-07												
	HARVEST DATE(2002)	3-10												
	IRRIGATION Nos	2												
	FERTILIZER APPLIED N	90												
	P	60												
	K	-												

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 67

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS AT UDAIPUR, BANSWARA, CHHINDIWARA IN TRIAL No. TR512 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	BANS	R	CHHI	R	ZN 5 MEAN	R	GRAIN YIELD OVER THE HIM UDAI	BANS	% SUPERIORITY - 129 CHHI	ZN 5 MEAN
1	E H - 1410	5116	7	3418	8	1533	12	3356	7	87.68	5.56	30.65	41.05
2	E H - 1411	5814	2	3278	10	1483	14	3525	2	113.28	1.23	26.39	48.16
3	E H - 1412	4980	11	2922	18	914	24	2939	17	82.69	-	-	23.52
4	E H - 1413	4277	16	2972	17	1291	16	2846	20	56.88	-	9.99	19.64
5	E H - 1414	5320	4	3064	13	1616	9	3334	9	95.16	-	37.77	40.13
6	E H - 1415	5136	6	3460	7	1739	8	3445	5	88.42	6.86	48.22	44.81
7	E H - 1416	5046	9	3756	3	1786	7	3529	1	85.13	15.99	52.20	48.35
8	E H - 1417	3859	21	3038	15	2005	4	2967	15	41.55	-	70.86	24.73
9	E H - 1418	4630	13	2748	21	1493	13	2957	16	69.85	-	27.24	24.29
10	E H - 1419	4726	12	2882	19	2149	2	3253	12	73.38	-	83.16	36.72
11	E H - 1420	3716	22	2729	22	1335	15	2593	22	36.30	-	13.81	9.01
12	E H - 1421	5848	1	2625	23	1118	20	3197	13	114.55	-	-	34.38
13	E H - 1422	4475	15	3022	16	1151	19	2883	19	64.16	-	-	21.18
14	E H - 1423	5064	8	3291	9	1105	22	3153	14	85.76	1.64	-	32.54
15	E H - 1424	4256	17	3956	2	2134	3	3448	4	56.11	22.18	81.84	44.95
16	E H - 1425	4982	10	3252	11	1844	6	3359	6	82.76	0.44	57.18	41.21
17	E H - 1426	4234	18	3460	6	2193	1	3296	11	55.32	6.88	86.93	38.54
18	E H - 1427	5248	5	3699	4	1547	11	3498	3	92.54	14.24	31.85	47.04
19	E H - 1428	5340	3	3493	5	1112	21	3315	10	95.91	7.87	-	39.34
20	E H - 1429	3947	20	2819	20	1201	17	2656	21	44.80	-	2.39	11.63
	CHECKS:												
21	HIM - 1 2 9	2726	24	3238	12	1173	18	2379	24	-	-	-	-
22	MAHI KANCHAN	3476	23	2407	24	1883	5	2588	23	27.50	-	60.45	8.80
23	X - 3342	4136	19	4296	1	1589	10	3340	8	51.74	32.68	35.40	40.41
24	P H E H - 2	4614	14	3047	14	1100	23	2921	18	69.28	-	-	22.77
	MEAN YIELD=	4624		3203		1521		3116					
	MEAN STAND	36		35		23		31					
	C.D. AT 5%=	840		550		881		757					
	C.V. % =	11.06		10.45		28.00		-					
	F (Prob)	.000		.020		.286							
	PLOT SIZE=	6.00		6.00		6.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		25-06		30-06		-					
	HARVEST DATE(2002)	30-09		22-10		22-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	90		80		100		-					
	P	60		60		50		-					
	K	-		-		30		-					

TABLE NO. 67 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN ZN 5				X - 3342			
		UDAI	BANS	CHHI	MEAN	UDAI	BANS	CHHI	MEAN
1	E H - 1410	47.20	42.00	-	29.64	23.68	-	-	0.46
2	E H - 1411	67.28	36.17	-	36.18	40.56	-	-	5.53
3	E H - 1412	43.29	21.41	-	13.53	20.40	-	-	-
4	E H - 1413	23.05	23.46	-	9.96	3.39	-	-	-
5	E H - 1414	53.07	27.31	-	28.79	28.62	-	1.75	-
6	E H - 1415	47.78	43.75	-	33.10	24.17	-	9.47	3.14
7	E H - 1416	45.20	56.03	-	36.35	22.00	-	12.41	5.66
8	E H - 1417	11.02	26.24	6.48	14.64	-	-	26.19	-
9	E H - 1418	33.22	14.15	-	14.24	11.93	-	-	-
10	E H - 1419	35.98	19.74	14.16	25.66	14.26	-	35.28	-
11	E H - 1420	6.91	13.38	-	0.19	-	-	-	-
12	E H - 1421	68.27	9.07	-	23.52	41.39	-	-	-
13	E H - 1422	28.75	25.57	-	11.38	8.18	-	-	-
14	E H - 1423	45.69	36.73	-	21.82	22.42	-	-	-
15	E H - 1424	22.44	64.35	13.33	33.22	2.88	-	34.30	3.23
16	E H - 1425	43.34	35.11	-	29.79	20.44	-	16.09	0.57
17	E H - 1426	21.82	43.77	16.50	27.33	2.36	-	38.06	-
18	E H - 1427	51.01	53.68	-	35.15	26.88	-	-	4.72
19	E H - 1428	53.66	45.11	-	28.07	29.11	-	-	-
20	E H - 1429	13.57	17.10	-	2.60	-	-	-	-
	CHECKS:								
21	HIM - 1 2 9	-	34.52	-	-	-	-	-	-
22	MAHI KANCHAN	-	-	-	-	-	-	18.51	-
23	X - 3342	19.01	78.48	-	29.05	-	-	-	-
24	P H E H - 2	32.77	26.60	-	12.84	11.56	-	-	-

TABLE NO. 67 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PHEH-2 UDAI	BANS	CHHI	ZN 5 MEAN	DAYS TO 50% POLLEN SHED UDAI	BANS	ZN 5 MEAN	DAYS TO 505 SILKING UDAI	BANS	CHHI	ZN 5 MEAN
1	E H - 1410	10.87	12.16	39.32	14.89	50.0	51.3	50.7	52.0	54.7	58.0	54.9
2	E H - 1411	26.00	7.56	34.78	20.69	50.3	50.7	50.5	53.0	54.3	57.5	54.9
3	E H - 1412	7.92	-	-	0.62	47.0	50.0	48.5	49.3	54.0	55.0	52.8
4	E H - 1413	-	-	17.29	-	49.3	48.0	48.7	51.7	51.7	58.5	53.9
5	E H - 1414	15.29	0.56	46.91	14.14	48.7	48.3	48.5	51.3	52.3	57.5	53.7
6	E H - 1415	11.31	13.54	58.06	17.96	48.3	52.3	50.3	51.3	56.3	57.0	54.9
7	E H - 1416	9.36	23.24	62.30	20.84	47.0	46.7	46.8	49.3	50.3	53.5	51.1
8	E H - 1417	-	-	82.20	1.60	47.3	49.3	48.3	49.3	52.7	54.5	52.2
9	E H - 1418	0.34	-	35.68	1.24	47.7	48.0	47.8	49.7	52.0	52.0	51.2
10	E H - 1419	2.42	-	95.32	11.36	48.0	48.7	48.3	50.3	52.0	59.0	53.8
11	E H - 1420	-	-	21.37	-	49.7	50.0	49.8	52.3	53.7	59.0	55.0
12	E H - 1421	26.74	-	1.58	9.46	50.7	51.7	51.2	53.0	55.7	60.0	56.2
13	E H - 1422	-	-	4.63	-	49.7	50.3	50.0	52.0	54.3	59.0	55.1
14	E H - 1423	9.74	8.00	0.42	7.96	47.7	50.3	49.0	50.3	54.3	58.5	54.4
15	E H - 1424	-	29.82	93.91	18.07	48.7	50.7	49.7	51.0	54.7	53.0	52.9
16	E H - 1425	7.96	6.72	67.62	15.02	48.0	49.7	48.8	50.7	53.3	59.5	54.5
17	E H - 1426	-	13.56	99.34	12.85	48.3	48.7	48.5	51.3	52.7	58.5	54.2
18	E H - 1427	13.74	21.39	40.60	19.77	50.0	50.3	50.2	52.3	54.3	57.5	54.7
19	E H - 1428	15.73	14.62	1.07	13.50	48.7	46.7	47.7	50.7	50.3	60.0	53.7
20	E H - 1429	-	-	9.19	-	47.3	49.0	48.2	49.3	53.0	53.5	51.9
	CHECKS:											
21	HIM - 1 2 9	-	6.25	6.64	-	47.0	50.0	48.5	49.0	54.0	56.0	53.0
22	MAHI KANCHAN	-	-	71.10	-	50.3	52.0	51.2	53.3	54.7	57.5	55.2
23	X - 3342	-	40.98	44.38	14.37	51.0	50.3	50.7	53.3	54.0	57.0	54.8
24	P H E H - 2	-	-	-	-	50.7	48.0	49.3	53.0	51.3	58.5	54.3
	MEAN LOCATION	-	-	-	-	48.8	49.6	49.2	51.2	53.4	57.1	53.9
	C.D. AT 5%=	-	-	-	-	1.6	1.6	1.6	1.8	1.7	2.9	2.1
	C.V. % =	-	-	-	-	2.0	2.0	-	2.1	1.9	2.5	-
	F (Prob)	-	-	-	-	.000	.000	-	.000	.000	.000	-

TABLE NO. 67 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK UDAI	DAYS TO 50% DRY HUSK BANS	DAYS TO 50% DRY HUSK ZN 5 MEAN	MOISTURE % AT HARVEST UDAI	MOISTURE % AT HARVEST BANS	MOISTURE % AT HARVEST CHHI	MOISTURE % AT HARVEST ZN 5 MEAN	PLANT ASPECT * UDAI	PLANT ASPECT * BANS	PLANT ASPECT * ZN 5 MEAN	EAR ASPECT * UDAI	EAR ASPECT * BANS	EAR ASPECT * ZN 5 MEAN
1	E H - 1410	79.3	82.3	80.8	17.0	16.5	13.3	15.6	2.0	2.7	2.3	2.5	2.3	2.4
2	E H - 1411	80.0	82.7	81.3	16.0	16.6	12.6	15.1	1.5	2.5	2.0	2.0	2.2	2.1
3	E H - 1412	77.7	80.7	79.2	15.2	16.4	16.0	15.9	2.5	2.8	2.7	2.7	2.8	2.8
4	E H - 1413	79.3	80.0	79.7	17.8	16.6	14.7	16.3	2.0	2.3	2.2	2.3	2.5	2.4
5	E H - 1414	78.7	78.7	78.7	17.1	16.8	13.4	15.8	2.0	2.2	2.1	2.3	2.3	2.3
6	E H - 1415	79.3	82.7	81.0	18.1	16.6	13.4	16.0	1.8	2.5	2.2	2.2	2.5	2.3
7	E H - 1416	77.7	79.0	78.3	15.6	16.6	12.9	15.1	2.3	2.7	2.5	2.3	2.2	2.3
8	E H - 1417	78.7	80.3	79.5	14.8	16.4	12.9	14.7	2.5	2.2	2.3	3.0	2.2	2.6
9	E H - 1418	77.7	81.0	79.3	18.0	16.7	12.6	15.8	2.5	2.7	2.6	3.0	2.3	2.7
10	E H - 1419	79.0	79.7	79.3	16.1	16.5	14.7	15.8	2.2	2.3	2.3	2.7	2.3	2.5
11	E H - 1420	79.3	81.0	80.2	17.4	16.3	13.6	15.8	2.5	2.2	2.3	2.3	2.3	2.3
12	E H - 1421	80.3	81.7	81.0	16.8	16.3	14.5	15.9	1.5	2.5	2.0	1.7	2.3	2.0
13	E H - 1422	79.3	84.7	82.0	17.7	15.7	14.7	16.0	1.7	2.8	2.3	2.0	2.7	2.3
14	E H - 1423	78.7	80.7	79.7	15.7	16.3	13.3	15.1	2.7	2.5	2.6	2.2	2.7	2.4
15	E H - 1424	78.7	84.0	81.3	15.6	16.6	12.3	14.8	2.2	2.3	2.3	2.0	2.5	2.3
16	E H - 1425	78.7	80.3	79.5	14.4	16.3	13.3	14.7	1.8	2.2	2.0	2.3	2.2	2.3
17	E H - 1426	79.0	81.0	80.0	18.1	16.7	13.0	15.9	2.3	2.5	2.4	2.2	2.3	2.3
18	E H - 1427	80.0	81.7	80.8	16.8	17.1	13.0	15.6	1.5	2.7	2.1	1.6	2.5	2.0
19	E H - 1428	79.0	81.7	80.3	17.1	16.2	14.0	15.8	2.3	2.2	2.3	2.3	2.5	2.4
20	E H - 1429	78.0	83.3	80.7	15.1	16.1	13.6	14.9	2.5	2.5	2.5	2.8	2.0	2.4
	CHECKS:													
21	HIM - 1 2 9	78.0	80.3	79.2	15.7	16.4	12.7	14.9	3.3	2.5	2.9	3.0	2.5	2.8
22	MAHI KANCHAN	79.0	81.0	80.0	16.3	16.5	14.1	15.6	2.7	2.3	2.5	2.2	2.5	2.3
23	X - 3342	78.3	82.3	80.3	17.4	16.7	13.6	15.9	2.3	2.3	2.3	2.0	2.5	2.3
24	P H E H - 2	80.0	82.7	81.3	16.9	16.5	13.5	15.6	2.2	2.7	2.4	2.2	2.5	2.3
	MEAN LOCATION	78.9	81.4	80.1	16.5	16.5	13.6	15.5	2.2	2.5	2.3	2.3	2.4	2.4
	C.D. AT 5%=	1.3	2.1	1.7	0.6	0.9	0.0	0.5	0.6	0.5	0.6	0.6	0.5	0.6
	C.V. % =	1.0	1.6	-	2.2	3.2	0.0	-	17.8	12.6	-	16.7	13.6	-
	F (Prob)	.001	.000	-	.000	.759	.000	-	.000	.178	-	.001	.465	-

TABLE NO. 67 (CONT.)

Sl No	PEDIGREE	HUSK COVER * UDAI	BANS	ZN 5 MEAN	UNIFORMITY * UDAI	BANS	ZN 5 MEAN	PLANT HEIGHT (cm) UDAI	BANS	CHHI	ZN 5 MEAN
1	E H - 1410	2.0	2.3	2.2	2.7	2.3	2.5	200	170	112	161
2	E H - 1411	1.5	2.5	2.0	1.8	2.3	2.1	230	143	133	169
3	E H - 1412	2.5	2.7	2.6	2.5	2.5	2.5	223	135	120	159
4	E H - 1413	2.0	2.5	2.3	2.7	2.5	2.6	232	125	113	156
5	E H - 1414	2.5	2.5	2.5	2.7	2.5	2.6	227	145	135	169
6	E H - 1415	2.2	2.0	2.1	2.3	2.2	2.3	227	133	103	154
7	E H - 1416	2.0	2.5	2.3	2.0	2.7	2.3	240	153	113	169
8	E H - 1417	2.8	2.2	2.5	2.8	2.5	2.7	215	170	115	167
9	E H - 1418	2.5	2.5	2.5	2.7	2.7	2.7	202	139	115	152
10	E H - 1419	2.3	2.7	2.5	2.3	2.5	2.4	240	177	103	173
11	E H - 1420	2.0	2.3	2.2	2.5	2.3	2.4	270	150	148	189
12	E H - 1421	1.5	2.3	1.9	2.2	2.3	2.3	218	137	115	157
13	E H - 1422	1.8	2.3	2.1	2.7	2.7	2.7	205	140	100	148
14	E H - 1423	2.2	2.3	2.3	2.8	2.5	2.7	218	158	105	161
15	E H - 1424	2.0	2.7	2.3	2.8	2.7	2.8	227	167	140	178
16	E H - 1425	2.3	2.3	2.3	2.5	2.2	2.3	220	147	133	166
17	E H - 1426	2.0	2.7	2.3	2.8	2.5	2.7	217	135	108	153
18	E H - 1427	1.8	2.7	2.3	2.2	2.3	2.3	233	135	125	164
19	E H - 1428	1.8	2.2	2.0	2.5	2.5	2.5	222	153	100	158
20	E H - 1429	2.6	2.5	2.5	2.7	2.5	2.6	213	143	120	159
	CHECKS:										
21	HIM - 1 2 9	2.7	2.5	2.6	2.8	2.3	2.6	210	137	113	153
22	MAHI KANCHAN	2.2	2.5	2.3	3.0	2.5	2.8	238	155	113	169
23	X - 3342	2.2	2.2	2.2	2.5	2.5	2.5	230	168	130	176
24	P H E H - 2	2.2	2.2	2.2	2.7	2.5	2.6	225	177	120	174
	MEAN LOCATION	2.2	2.4	2.3	2.5	2.5	2.5	224	150	118	164
	C.D. AT 5%=	0.6	0.5	0.5	0.6	0.5	0.5	15.7	14.8	19.5	16.7
	C.V. % =	16.9	12.0	-	14.4	11.5	-	4.3	6.0	8.0	-
	F (Prob)	.003	.222	-	.038	.770	-	.000	.000	.001	-

TABLE NO. 67 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) UDAI	BANS	CHHI	ZN 5 MEAN	EAR NO./PLANT STAND AT HARVEST UDAI	BANS	UDAI	BANS	CHHI	ZN 5 MEAN
1	E H - 1410	87	75	43	68	0.98	0.87	35	28	26	30
2	E H - 1411	97	82	55	78	1.08	0.90	45	38	37	40
3	E H - 1412	105	55	43	68	1.04	0.85	38	31	30	33
4	E H - 1413	110	60	55	75	0.99	0.91	34	34	27	32
5	E H - 1414	105	82	55	81	0.98	1.06	39	33	21	31
6	E H - 1415	108	52	38	66	0.95	0.91	39	39	17	32
7	E H - 1416	108	78	50	79	0.99	0.90	34	34	18	29
8	E H - 1417	108	77	55	80	1.00	0.95	32	34	22	29
9	E H - 1418	95	42	48	61	1.01	0.89	37	44	26	36
10	E H - 1419	122	80	40	81	1.02	1.01	36	35	23	31
11	E H - 1420	133	55	70	86	0.94	0.89	30	42	19	30
12	E H - 1421	93	55	45	64	0.96	0.88	40	38	24	34
13	E H - 1422	97	55	53	68	0.97	0.92	30	34	25	29
14	E H - 1423	98	78	45	74	1.06	1.01	39	31	20	30
15	E H - 1424	95	67	55	72	0.94	1.00	31	27	16	25
16	E H - 1425	97	55	55	69	1.07	1.00	35	38	23	32
17	E H - 1426	97	55	43	65	1.01	1.10	36	37	18	30
18	E H - 1427	107	62	50	73	0.95	0.98	37	32	24	31
19	E H - 1428	95	77	48	73	1.09	1.10	41	36	20	32
20	E H - 1429	102	65	60	76	1.04	0.92	39	35	30	34
	CHECKS:										
21	HIM - 1 2 9	74	57	55	62	1.04	0.95	26	33	18	25
22	MAHI KANCHAN	108	72	45	75	1.02	0.82	30	40	19	30
23	X - 3342	107	75	63	81	1.04	0.87	33	36	24	31
24	P H E H - 2	98	80	50	76	1.08	0.86	40	40	25	35
	MEAN LOCATION	102	66	51	73	-	-	36	35	23	31
	C.D. AT 5%=	11.3	8.6	16.6	12.1	-	-	4.4	8.0	11.5	7.9
	C.V. % =	6.7	7.9	15.9	-	-	-	7.5	13.7	24.4	-
	F (Prob)	.000	.000	.081	-	-	-	.000	.011	.157	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 68

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS AT UDAIPUR, PRATAPGARH, GODHRA IN TRIAL No. TR513 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	PRAT	R	GODH	R	ZN 5 MEAN	R	% SUPERIORITY OVER THE PHEM - 2 UDAI	PRAT	GODH	ZN 5 MEAN
1	E H - 1430	5953	3	4307	4	5422	15	5228	4	2.46	4.50	-	0.04
2	E H - 1431	5005	16	4039	9	5911	9	4985	11	-	-	2.91	-
3	E H - 1432	4634	19	4227	6	6171	3	5011	10	-	2.56	7.44	-
4	E H - 1433	5549	10	4022	10	5972	7	5181	7	-	-	3.98	-
5	E H - 1434	4146	21	3795	11	4915	18	4285	20	-	-	-	-
6	E H - 1435	5368	12	3585	15	6103	4	5018	8	-	-	6.25	-
7	E H - 1436	5782	5	3585	14	4732	21	4700	17	-	-	-	-
8	E H - 1437	5352	13	4111	8	5385	16	4949	13	-	-	-	-
9	E H - 1438	4743	17	4295	5	5625	14	4888	15	-	4.19	-	-
10	E H - 1439	4538	20	3567	16	5732	12	4612	18	-	-	-	-
11	E H - 1440	6546	1	3340	19	5671	13	5186	6	12.65	-	-	-
12	E H - 1441	5703	7	3163	20	6067	6	4978	12	-	-	5.64	-
13	E H - 1442	5427	11	5094	1	6748	1	5756	1	-	23.60	17.49	10.16
14	E H - 1443	5737	6	3415	18	5885	10	5013	9	-	-	2.47	-
15	E H - 1444	5102	14	3541	17	5111	17	4585	19	-	-	-	-
16	E H - 1445	5560	9	4530	2	6087	5	5392	3	-	9.90	5.97	3.19
17	E H - 1446	6034	2	3619	13	4811	20	4822	16	3.85	-	-	-
18	E H - 1447	5682	8	4350	3	6333	2	5455	2	-	5.55	10.25	4.40
	CHECKS:												
19	PHEM - 2	5811	4	4122	7	5744	11	5225	5	-	-	-	-
20	MAHI KANCHAN	4704	18	3132	21	4885	19	4240	21	-	-	-	-
21	NAVJOT	5084	15	3688	12	5946	8	4906	14	-	-	3.52	-
	MEAN YIELD=	5355		3882		5679		4972					
	MEAN STAND	38		-		21		30					
	C.D. AT 5%=	621		742		1216		860					
	C.V. % =	7.04		11.58		12.98		-					
	F (Prob)	.000		.000		.199							
	PLOT SIZE=	6.00		6.00		6.00		-					
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		28-06		2-07		-					
	HARVEST DATE(2002)	3-10		18-10		7-10		-					
	IRRIGATION Nos	2		-		-		-					
	FERTILIZER APPLIED N	90		-		100		-					
	P	60		-		50		-					
	K	-		-		-		-					

TABLE NO. 68 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE MAHI KANCHAN				NAVJOT			
		UDAI	PRAT	GODH	ZN 5 MEAN	UDAI	PRAT	GODH	ZN 5 MEAN
1	E H - 1430	26.56	37.54	11.01	23.29	17.09	16.80	-	6.56
2	E H - 1431	6.40	28.97	21.01	17.57	-	9.53	-	1.61
3	E H - 1432	-	34.98	26.34	18.18	-	14.63	3.79	2.14
4	E H - 1433	17.96	28.42	22.26	22.19	9.13	9.06	0.44	5.60
5	E H - 1434	-	21.18	0.63	1.07	-	2.91	-	-
6	E H - 1435	14.11	14.48	24.94	18.36	5.58	-	2.63	2.29
7	E H - 1436	22.92	14.49	-	10.84	13.73	-	-	-
8	E H - 1437	13.78	31.27	10.24	16.73	5.27	11.48	-	0.88
9	E H - 1438	0.83	37.14	15.16	15.27	-	16.46	-	-
10	E H - 1439	-	13.91	17.35	8.78	-	-	-	-
11	E H - 1440	39.15	6.66	16.10	22.30	28.74	-	-	5.70
12	E H - 1441	21.23	1.00	24.22	17.40	12.16	-	2.04	1.46
13	E H - 1442	15.36	62.67	38.15	35.76	6.74	38.15	13.49	17.34
14	E H - 1443	21.96	9.06	20.49	18.22	12.84	-	-	2.17
15	E H - 1444	8.47	13.07	4.64	8.13	0.36	-	-	-
16	E H - 1445	18.20	44.65	24.61	27.17	9.36	22.84	2.37	9.91
17	E H - 1446	28.28	15.58	-	13.72	18.69	-	-	-
18	E H - 1447	20.80	38.92	29.64	28.66	11.76	17.98	6.50	11.19
	CHECKS:								
19	PHEM - 2	23.52	31.62	17.59	23.24	14.29	11.77	-	6.51
20	MAHI KANCHAN	-	-	-	-	-	-	-	-
21	NAVJOT	8.08	17.75	21.73	15.70	-	-	-	-

TABLE NO. 68 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED				DAYS TO 50 % SILKING				DAYS TO 50% DRY HUSK			
		UDAI	PRAT	GODH	ZN 5 MEAN	UDAI	PRAT	GODH	ZN 5 MEAN	UDAI	PRAT	GODH	ZN 5 MEAN
1	E H - 1430	50.3	41.7	46.0	46.0	52.3	44.7	49.7	48.9	81.0	82.3	75.7	79.7
2	E H - 1431	47.3	45.7	42.7	45.2	49.3	49.0	46.3	48.2	78.7	84.3	76.3	79.8
3	E H - 1432	48.7	43.3	44.0	45.3	51.7	52.0	47.3	50.3	77.3	85.7	79.0	80.7
4	E H - 1433	50.3	54.0	45.3	49.9	52.0	57.0	49.7	52.9	82.0	87.0	80.3	83.1
5	E H - 1434	45.7	49.7	42.0	45.8	47.7	54.0	45.0	48.9	75.7	86.7	78.3	80.2
6	E H - 1435	50.0	55.0	46.0	50.3	52.0	56.3	51.0	53.1	81.0	85.0	78.0	81.3
7	E H - 1436	49.7	41.3	42.7	44.6	51.7	45.0	46.7	47.8	80.7	81.7	78.0	80.1
8	E H - 1437	47.7	41.0	43.3	44.0	50.0	44.0	47.3	47.1	80.7	80.7	76.7	79.3
9	E H - 1438	48.3	50.3	44.3	47.7	50.3	52.3	48.0	50.2	82.0	84.7	78.3	81.7
10	E H - 1439	45.0	50.0	41.7	45.6	47.3	53.7	45.0	48.7	76.3	84.7	78.3	79.8
11	E H - 1440	46.0	50.3	43.0	46.4	48.7	52.7	46.0	49.1	80.0	85.3	78.3	81.2
12	E H - 1441	47.7	45.0	46.0	46.2	49.3	47.3	49.7	48.8	83.7	83.7	79.0	82.1
13	E H - 1442	52.0	43.7	47.0	47.6	54.0	49.7	51.0	51.6	79.0	84.0	79.3	80.8
14	E H - 1443	47.3	48.0	42.0	45.8	49.0	51.3	46.0	48.8	79.7	82.7	78.3	80.2
15	E H - 1444	45.0	50.0	41.0	45.3	47.0	52.0	45.0	48.0	79.7	84.3	75.0	79.7
16	E H - 1445	46.0	44.3	43.0	44.4	48.3	47.7	47.0	47.7	80.7	82.3	78.0	80.3
17	E H - 1446	48.3	38.3	44.3	43.7	50.7	42.7	48.3	47.2	81.0	82.3	78.3	80.6
18	E H - 1447	50.3	44.3	46.0	46.9	53.0	47.7	50.0	50.2	79.7	83.3	79.0	80.7
	CHECKS:												
19	PHEM - 2	50.3	47.7	48.0	48.7	52.3	51.3	52.0	51.9	83.7	86.7	77.3	82.6
20	MAHI KANCHAN	49.0	46.3	44.0	46.4	51.0	50.0	47.3	49.4	78.3	83.7	78.0	80.0
21	NAVJOT	51.0	51.3	48.0	50.1	52.7	55.0	52.0	53.2	80.7	86.0	80.3	82.3
	MEAN LOCATION	48.4	46.7	44.3	46.5	50.5	50.3	48.1	49.6	80.1	84.1	78.1	80.8
	C.D. AT 5%=	1.5	7.8	2.4	3.9	1.4	7.5	2.9	4.0	2.3	3.4	3.0	2.9
	C.V. % =	1.8	10.2	3.3	-	1.7	9.0	3.7	-	1.8	2.4	2.3	-
	F (Prob)	.000	.005	.000	-	.000	.010	.000	-	.000	.019	.096	-

TABLE NO. 68 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST UDAI	MOISTURE % AT HARVEST GODH	ZN 5 MEAN	PLANT ASPECT * UDAI	PLANT ASPECT * PRAT	PLANT ASPECT * GODH	ZN 5 MEAN	EAR ASPECT * UDAI	EAR ASPECT * GODH	ZN 5 MEAN	HUSK COVER * UDAI	HUSK COVER * GODH	ZN 5 MEAN
1	E H - 1430	18.9	15.5	17.2	1.8	1.7	2.7	2.1	2.4	2.2	2.3	1.6	2.8	2.2
2	E H - 1431	14.8	16.6	15.7	2.7	2.0	2.8	2.5	2.6	2.3	2.5	1.8	2.5	2.2
3	E H - 1432	17.6	13.9	15.8	2.7	2.2	2.7	2.5	2.6	2.7	2.6	1.7	2.7	2.2
4	E H - 1433	15.9	15.0	15.4	2.4	2.7	2.0	2.4	2.3	2.2	2.2	1.5	2.0	1.8
5	E H - 1434	18.1	16.2	17.2	2.7	2.2	2.5	2.5	2.9	2.3	2.6	1.9	2.7	2.3
6	E H - 1435	18.5	13.7	16.1	2.6	2.0	2.2	2.3	2.7	2.7	2.7	1.7	2.8	2.3
7	E H - 1436	15.8	17.0	16.4	2.5	2.3	2.8	2.5	2.3	2.5	2.4	1.7	3.2	2.5
8	E H - 1437	18.6	17.8	18.2	2.3	1.8	2.5	2.2	2.2	2.2	2.2	1.6	2.2	1.9
9	E H - 1438	15.3	16.8	16.0	2.6	2.0	2.2	2.2	2.7	2.2	2.4	1.9	2.8	2.4
10	E H - 1439	14.7	15.4	15.0	2.5	2.0	3.3	2.6	2.6	2.3	2.5	1.8	3.3	2.6
11	E H - 1440	15.9	17.5	16.7	2.3	2.3	2.3	2.3	2.2	2.2	2.2	1.6	2.5	2.0
12	E H - 1441	18.0	17.9	18.0	2.3	2.0	2.5	2.3	2.7	2.7	2.7	1.5	2.3	1.9
13	E H - 1442	16.0	17.5	16.8	1.9	1.8	2.2	2.0	2.1	2.8	2.5	1.5	2.5	2.0
14	E H - 1443	13.9	14.3	14.1	2.5	2.5	2.5	2.5	2.9	3.0	2.9	2.1	2.5	2.3
15	E H - 1444	16.1	14.2	15.2	2.2	1.8	2.3	2.1	2.8	2.3	2.6	1.8	2.5	2.2
16	E H - 1445	16.5	16.6	16.5	2.6	2.0	2.2	2.3	2.4	2.2	2.3	1.9	2.3	2.1
17	E H - 1446	16.2	17.5	16.9	2.2	1.7	2.2	2.0	2.7	2.7	2.7	1.6	2.5	2.1
18	E H - 1447	17.3	16.7	17.0	2.0	1.5	2.8	2.1	2.9	2.8	2.9	1.5	2.5	2.0
	CHECKS:													
19	PHEM - 2	18.0	15.8	16.9	1.8	2.3	2.0	2.1	2.5	1.8	2.2	1.5	2.0	1.8
20	MAHI KANCHAN	16.0	17.5	16.8	2.5	1.8	2.2	2.2	2.3	2.0	2.2	1.9	2.3	2.1
21	NAVJOT	18.0	15.8	16.9	2.0	2.0	2.0	2.0	2.6	2.3	2.5	1.9	2.0	2.0
	MEAN LOCATION	16.7	16.2	16.4	2.3	2.0	2.4	2.3	2.5	2.4	2.5	1.7	2.5	2.1
	C.D. AT 5%=	0.4	2.5	1.5	0.6	0.8	0.4	0.6	0.4	0.6	0.5	0.3	0.4	0.3
	C.V. % =	1.6	9.5	-	14.4	22.5	10.8	-	9.6	15.6	-	10.8	9.2	-
	F (Prob)	.000	.014	-	.013	.317	.000	-	.001	.031	-	.005	.000	-

TABLE NO. 68 (CONT.)

Sl No	PEDIGREE	UNIFORMITY *			ZN 5 MEAN	PLANT HEIGHT (cm)		ZN 5 MEAN	EAR HEIGHT (cm)		ZN 5 MEAN	EAR NO. /PLANT		STAND AT HARVEST	
		UDAI	PRAT	GODH		UDAI	GODH		UDAI	GODH		UDAI	GODH	UDAI	GODH
1	E H - 1430	2.1	2.2	3.0	2.4	213	177	195	98	83	91	0.96	1.19	37	20
2	E H - 1431	2.0	2.3	3.0	2.4	228	170	199	107	80	93	0.95	1.14	36	22
3	E H - 1432	2.5	2.7	2.3	2.5	223	170	197	87	58	73	1.00	1.06	39	25
4	E H - 1433	2.3	3.2	2.2	2.6	215	183	199	93	84	89	0.99	1.11	38	21
5	E H - 1434	2.0	3.0	2.5	2.5	210	153	182	108	70	89	1.03	1.10	33	29
6	E H - 1435	2.2	2.2	2.5	2.3	232	170	201	108	85	97	0.96	1.09	39	21
7	E H - 1436	2.4	2.8	3.3	2.9	205	162	184	82	65	74	1.01	1.08	42	22
8	E H - 1437	1.9	2.0	2.8	2.2	197	150	173	92	78	85	0.94	1.10	45	23
9	E H - 1438	2.3	2.5	3.0	2.6	210	175	193	85	85	85	0.92	1.28	38	20
10	E H - 1439	2.1	2.8	3.2	2.7	200	138	169	107	63	85	0.98	1.13	34	22
11	E H - 1440	2.2	2.7	3.2	2.7	227	150	188	102	73	87	0.93	1.27	39	21
12	E H - 1441	1.7	2.5	2.5	2.2	190	160	175	75	50	63	0.94	1.07	38	22
13	E H - 1442	2.0	2.2	2.2	2.1	227	195	211	100	92	96	1.00	1.18	33	16
14	E H - 1443	2.2	2.3	3.0	2.5	242	174	208	73	64	69	0.94	1.24	40	21
15	E H - 1444	1.9	2.0	2.8	2.2	220	168	194	98	73	86	1.07	1.15	36	24
16	E H - 1445	1.9	2.2	2.3	2.1	223	159	191	93	61	77	0.98	1.26	37	21
17	E H - 1446	2.2	2.2	2.7	2.4	225	188	206	94	96	95	0.99	1.17	28	21
18	E H - 1447	2.5	1.8	3.0	2.4	237	172	204	103	103	103	0.99	1.20	38	20
	CHECKS:														
19	PHEM - 2	2.1	2.3	1.7	2.0	215	200	208	107	94	100	1.00	1.15	40	23
20	MAHI KANCHAN	2.8	2.7	2.3	2.6	220	175	198	113	78	96	1.02	1.11	37	13
21	NAVJOT	2.7	2.7	2.0	2.5	243	169	206	110	91	100	0.97	1.12	43	27
	MEAN LOCATION	2.2	2.4	2.6	2.4	219	169	194	97	77	87	-	-	38	21
	C.D. AT 5%=	0.7	0.7	0.4	0.6	21.4	30.1	25.8	16.9	6.9	11.9	-	-	4.4	7.1
	C.V. % =	18.5	17.8	9.1	-	5.9	10.8	-	10.6	5.4	-	-	-	7.1	20.0
	F (Prob)	.162	.030	.000	-	.000	.029	-	.000	.000	-	-	-	.000	.072

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 69

PERFORMANCE OF EARLY EXPERIMENTAL HYBRIDS AT UDAIPUR, PRATAPGARH IN TRIAL No. TR514 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	PRAT	R	ZN 5 MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 UDAI	PRAT	ZN 5 MEAN
1	E H - 1448	4862	14	4962	6	4912	10	24.96	86.90	50.08
2	E H - 1449	3866	25	4778	9	4322	21	-	79.96	32.06
3	E H - 1450	4707	17	4283	18	4495	18	20.97	61.30	37.33
4	E H - 1451	5066	11	3896	22	4481	19	30.21	46.72	36.90
5	E H - 1452	4845	15	4681	11	4763	15	24.51	76.30	45.52
6	E H - 1453	5336	7	4349	15	4843	11	37.13	63.82	47.96
7	E H - 1454	4660	19	2661	23	3661	23	19.78	0.22	11.85
8	E H - 1455	5267	8	4310	16	4788	13	35.36	62.33	46.30
9	E H - 1456	6266	2	4299	17	5282	4	61.04	61.90	61.39
10	E H - 1457	5882	5	4361	14	5121	8	51.16	64.26	56.47
11	E H - 1458	5196	9	4082	19	4639	17	33.54	53.73	41.73
12	E H - 1459	4686	18	4862	8	4774	14	20.45	83.14	45.88
13	E H - 1460	6040	4	4053	20	5046	9	55.22	52.66	54.19
14	E H - 1461	6471	1	5334	5	5903	1	66.32	100.90	80.35
15	E H - 1462	4421	21	3901	21	4161	22	13.63	46.91	27.13
16	E H - 1463	5150	10	5791	1	5470	3	32.35	118.10	67.13
17	E H - 1464	5804	6	4747	10	5275	5	49.17	78.78	61.18
18	E H - 1465	4505	20	5756	2	5131	7	15.79	116.80	56.76
19	E H - 1466	4411	22	2480	25	3446	24	13.37	-	5.27
20	E C - 3132	4777	16	4864	7	4821	12	22.77	83.21	47.28
21	E C - 3133	5060	12	4444	12	4752	16	30.06	67.39	45.20
	CHECKS:									
22	HIM - 1 2 9	3891	24	2655	24	3273	25	-	-	-
23	NAVJOT	6044	3	5411	4	5727	2	55.34	103.79	74.99
24	MAHI -KANCHAN	4304	23	4393	13	4349	20	10.63	65.45	32.86
25	P H E H -2	4969	13	5516	3	5242	6	27.70	107.74	60.17
	MEAN YIELD=	5059		4435		4747				
	MEAN STAND	36		-		36				
	C.D. AT 5%=	470		527		498				
	C.V. % =	5.66		7.23		-				
	F (Prob)	.000		.000						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	3-07		28-06		-				
	HARVEST DATE(2002)	1-10		18-10		-				
	IRRIGATION Nos	2		-		-				
	FERTILIZER APPLIED N	90		-		-				
	P	60		-		-				
	K	-		-		-				

TABLE NO. 69 (CONT.)

Sl No	PEDIGREE	% SUPERIORITY OVER THE GRAIN YIELD NAVJOT UDAI	PRAT	ZN 5 MEAN	MAHI-KANCHAN UDAI	PRAT	ZN 5 MEAN	P H E H -2 UDAI	PRAT	ZN 5 MEAN
1	E H - 1448	-	-	-	12.96	12.96	12.96	-	-	-
2	E H - 1449	-	-	-	-	8.77	-	-	-	-
3	E H - 1450	-	-	-	9.35	-	3.36	-	-	-
4	E H - 1451	-	-	-	17.70	-	3.04	1.96	-	-
5	E H - 1452	-	-	-	12.55	6.56	9.52	-	-	-
6	E H - 1453	-	-	-	23.96	-	11.36	7.38	-	-
7	E H - 1454	-	-	-	8.27	-	-	-	-	-
8	E H - 1455	-	-	-	22.36	-	10.11	6.00	-	-
9	E H - 1456	3.67	-	-	45.57	-	21.47	26.11	-	0.76
10	E H - 1457	-	-	-	36.64	-	17.77	18.37	-	-
11	E H - 1458	-	-	-	20.71	-	6.67	4.57	-	-
12	E H - 1459	-	-	-	8.88	10.69	9.79	-	-	-
13	E H - 1460	-	-	-	40.31	-	16.05	21.55	-	-
14	E H - 1461	7.07	-	3.06	50.34	21.43	35.74	30.24	-	12.60
15	E H - 1462	-	-	-	2.71	-	-	-	-	-
16	E H - 1463	-	7.02	-	19.64	31.82	25.79	3.64	4.99	4.35
17	E H - 1464	-	-	-	34.84	8.06	21.31	16.81	-	0.63
18	E H - 1465	-	6.38	-	4.67	31.04	17.99	-	4.36	-
19	E H - 1466	-	-	-	2.48	-	-	-	-	-
20	E C - 3132	-	-	-	10.97	10.73	10.85	-	-	-
21	E C - 3133	-	-	-	17.57	1.17	9.29	1.84	-	-
	CHECKS:									
22	HIM - 1 2 9	-	-	-	-	-	-	-	-	-
23	NAVJOT	-	-	-	40.42	23.18	31.71	21.64	-	9.26
24	MAHI -KANCHAN	-	-	-	-	-	-	-	-	-
25	P H E H -2	-	1.94	-	15.44	25.56	20.55	-	-	-

TABLE NO. 69 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED UDAI	PRAT	ZN 5 MEAN	DAYS TO 50% SILKING UDAI	PRAT	ZN 5 MEAN	DAYS TO 50% DRY HUSK UDAI	PRAT	ZN 5 MEAN	MOIST. % UDAI
1	E H - 1448	48.7	47.7	48.2	51.7	53.0	52.3	77.3	84.3	80.8	17.3
2	E H - 1449	49.7	40.3	45.0	50.7	44.0	47.3	77.3	80.0	78.7	16.0
3	E H - 1450	50.3	54.0	52.2	51.7	58.3	55.0	81.7	87.7	84.7	16.9
4	E H - 1451	46.7	49.0	47.8	48.0	51.3	49.7	78.3	82.0	80.2	16.3
5	E H - 1452	51.0	50.7	50.8	52.7	56.0	54.3	81.7	82.7	82.2	18.0
6	E H - 1453	48.7	43.0	45.8	50.7	46.7	48.7	78.7	83.3	81.0	18.0
7	E H - 1454	49.0	38.7	43.8	50.7	44.3	47.5	78.0	83.0	80.5	17.8
8	E H - 1455	51.0	42.0	46.5	52.3	45.0	48.7	80.3	84.3	82.3	18.3
9	E H - 1456	50.3	57.3	53.8	51.7	59.3	55.5	80.7	87.0	83.8	17.3
10	E H - 1457	50.7	47.0	48.8	52.0	50.0	51.0	81.7	85.7	83.7	15.8
11	E H - 1458	48.0	47.0	47.5	49.0	51.3	50.2	77.3	83.0	80.2	16.0
12	E H - 1459	46.7	51.0	48.8	48.0	54.0	51.0	76.0	83.0	79.5	16.3
13	E H - 1460	48.7	42.7	45.7	50.7	46.7	48.7	79.3	84.3	81.8	17.1
14	E H - 1461	47.7	46.0	46.8	49.0	47.3	48.2	77.7	84.0	80.8	18.9
15	E H - 1462	50.7	48.0	49.3	51.7	51.0	51.3	78.3	84.7	81.5	17.4
16	E H - 1463	51.3	38.0	44.7	52.3	41.7	47.0	82.0	78.0	80.0	17.5
17	E H - 1464	48.0	44.0	46.0	49.3	47.0	48.2	78.7	85.0	81.8	17.0
18	E H - 1465	50.3	50.0	50.2	51.7	54.0	52.8	77.3	86.3	81.8	17.5
19	E H - 1466	51.3	56.3	53.8	52.3	57.3	54.8	85.0	86.0	85.5	18.0
20	E C - 3132	50.0	46.3	48.2	52.0	51.0	51.5	78.3	81.0	79.7	18.0
21	E C - 3133	51.3	44.0	47.7	52.3	47.0	49.7	79.0	82.0	80.5	16.8
	CHECKS:										
22	HIM - 1 2 9	45.7	50.3	48.0	47.7	53.7	50.7	77.0	83.0	80.0	15.0
23	NAVJOT	52.0	54.3	53.2	53.3	57.0	55.2	82.7	86.3	84.5	18.0
24	MAHI -KANCHAN	50.0	50.3	50.2	51.7	55.0	53.3	76.3	85.3	80.8	15.0
25	P H E H -2	51.3	51.3	51.3	52.7	55.0	53.8	78.7	84.0	81.3	16.1
	MEAN LOCATION	49.6	47.6	48.6	51.0	51.1	51.1	79.2	83.8	81.5	17.1
	C.D. AT 5%=	1.0	2.0	1.5	1.0	1.7	1.4	1.3	1.8	1.5	0.3
	C.V. % =	1.2	2.6	-	1.2	2.0	-	1.0	1.3	-	1.1
	F (Prob)	.000	.000	-	.000	.000	-	.000	.000	-	.000

TABLE NO. 69 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT * UDAI	PRAT	ZN 5 MEAN	EAR ASP* UDAI	HUSK COV* UDAI	UNIFORMITY UDAI	PRAT	* ZN 5 MEAN	PLANT HT(cm) UDAI	EAR HT(cm) UDAI	EAR NO. PLANT UDAI	STAND HARV. UDAI
1	E H - 1448	2.8	1.8	2.3	2.4	2.0	2.8	1.8	2.3	237	125	1.00	37
2	E H - 1449	2.3	2.2	2.3	2.6	2.0	2.7	2.0	2.3	207	105	1.00	39
3	E H - 1450	2.2	2.3	2.3	2.4	1.9	2.4	2.2	2.3	242	110	1.00	38
4	E H - 1451	2.5	2.5	2.5	2.3	1.6	2.8	2.7	2.8	245	107	1.00	37
5	E H - 1452	2.0	2.3	2.2	2.3	2.1	2.7	2.8	2.8	240	107	1.00	42
6	E H - 1453	2.0	2.8	2.4	1.9	1.8	2.0	2.5	2.3	245	108	1.00	35
7	E H - 1454	2.3	3.3	2.8	3.0	2.1	2.5	3.8	3.2	235	110	1.01	35
8	E H - 1455	2.4	2.8	2.6	2.1	1.9	2.8	2.2	2.5	240	105	1.01	38
9	E H - 1456	2.0	2.3	2.2	2.0	1.7	2.2	2.0	2.1	228	97	1.00	36
10	E H - 1457	2.0	2.7	2.3	2.2	1.6	2.5	3.0	2.8	208	93	0.99	38
11	E H - 1458	3.0	3.2	3.1	2.8	2.4	3.0	3.7	3.3	198	112	1.00	32
12	E H - 1459	2.4	2.5	2.5	2.8	2.5	2.5	3.2	2.8	258	95	1.02	39
13	E H - 1460	2.4	2.3	2.4	2.1	2.0	2.3	2.7	2.5	230	105	1.01	33
14	E H - 1461	2.0	2.2	2.1	2.0	2.0	2.2	2.0	2.1	233	95	1.00	40
15	E H - 1462	2.8	2.0	2.4	3.1	2.0	2.7	2.7	2.7	235	108	0.99	38
16	E H - 1463	2.1	2.2	2.1	2.1	1.9	2.3	2.0	2.2	223	97	0.92	45
17	E H - 1464	2.5	2.2	2.3	2.0	2.1	2.8	2.0	2.4	205	87	1.02	36
18	E H - 1465	2.3	2.0	2.2	1.9	1.9	2.3	3.0	2.7	232	113	1.05	41
19	E H - 1466	2.5	2.2	2.3	2.5	1.9	3.0	2.5	2.8	207	90	1.02	23
20	E C - 3132	2.2	2.5	2.3	2.4	2.0	2.7	2.7	2.7	260	123	1.01	32
21	E C - 3133	2.4	2.5	2.4	2.2	1.9	2.7	2.7	2.7	250	120	1.02	40
	CHECKS:												
22	HIM - 1 2 9	2.5	2.7	2.6	2.7	1.8	2.3	2.3	2.3	232	95	1.02	35
23	NAVJOT	2.0	2.2	2.1	2.1	1.8	2.7	2.3	2.5	267	120	1.11	36
24	MAHI -KANCHAN	2.6	2.3	2.5	3.7	2.1	3.0	2.7	2.8	228	103	1.02	30
25	P H E H -2	2.2	2.3	2.3	2.3	1.7	2.5	2.7	2.6	227	97	1.03	36
	MEAN LOCATION	2.3	2.4	2.4	2.4	1.9	2.6	2.6	2.6	232	105	-	36
	C.D. AT 5%=	0.5	0.6	0.5	0.6	0.4	0.5	0.5	0.5	34.7	25.8	-	7.9
	C.V. % =	12.3	15.8	-	15.0	11.4	11.5	12.2	-	9.1	15.0	-	13.3
	F (Prob)	.001	.003	-	.000	.003	.004	.000	-	.016	.213	-	.003

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 70

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT UDAIPUR, CHITTORGARH IN TRIAL No. TR515 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE					
						ZN 5		NAVJOT		ZN 5	SURYA		ZN 5
		UDAI	R	CHIT	R	MEAN	R	UDAI	CHIT	MEAN	UDAI	CHIT	MEAN
1	E H 1467	5095	25	4759	4	4927	9	-	32.11	2.32	11.42	135.80	49.51
2	E H 1468	6522	4	2647	23	4584	17	8.18	-	-	42.63	31.14	39.11
3	E H 1469	4846	26	1776	30	3311	28	-	-	-	5.98	-	0.48
4	E H 1470	5603	20	2077	26	3840	25	-	-	-	22.53	2.90	16.52
5	E H 1471	6108	11	2309	24	4208	22	1.32	-	-	33.58	14.41	27.71
6	E H 1472	4772	27	3107	17	3940	24	-	-	-	4.37	53.94	19.55
7	E H 1473	5660	17	1932	29	3796	26	-	-	-	23.79	-	15.20
8	E H 1474	7493	2	2189	25	4841	11	24.30	-	0.54	63.88	8.47	46.91
9	E H 1475	5929	13	2730	22	4329	20	-	-	-	29.66	35.28	31.38
10	E H 1476	5742	16	3975	8	4858	10	-	10.34	0.89	25.58	96.94	47.43
11	E H 1477	5606	19	3274	16	4440	18	-	-	-	22.61	62.24	34.74
12	E H 1478	5594	21	3858	9	4726	14	-	7.10	-	22.33	91.17	43.41
13	E H 1479	4196	30	2790	21	3493	27	-	-	-	-	38.23	6.00
14	E H 1480	5769	15	3042	19	4405	19	-	-	-	26.16	50.73	33.68
15	E H 1481	7284	3	3355	14	5320	6	20.82	-	10.47	59.29	66.26	61.43
16	E H 1482	4373	29	2058	27	3216	30	-	-	-	-	1.98	-
17	E H 1483	6501	5	5335	3	5918	4	7.84	48.09	22.89	42.17	164.33	79.58
18	E H 1484	6127	10	3348	15	4738	13	1,63	-	-	33.99	65.91	43.76
19	E H 1485	6389	7	6613	1	6501	1	5.98	83.58	35.01	39.73	227.67	97.28
20	E H 1486	6378	8	2976	20	4677	15	5.80	-	-	39.49	47.45	41.92

TABLE NO. 70 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE UDAI	R	CHIT	R	ZN 5 MEAN	R	% SUPERIORITY OVER THE NAVJOT UDAI	NAVJOT CHIT	ZN 5 MEAN	SURYA UDAI	SURYA CHIT	ZN 5 MEAN
21	E H 1487	6468	6	3502	12	4985	8	7.29	-	3.52	41.45	73.52	51.27
22	E H 1488	7558	1	4486	7	6022	3	25.36	24.53	25.05	65.28	122.27	82.73
23	E C 3134	5217	24	3357	13	4287	21	-	-	-	14.10	66.35	30.10
24	E C 3108	5916	14	6209	2	6063	2	-	72.37	25.90	29.38	207.66	83.97
25	E C 3121	5629	18	4552	6	5091	7	-	26.36	5.72	23.11	125.54	54.48
26	E C 3110	6363	9	4578	5	5470	5	5.55	27.09	13.60	39.16	126.84	66.00
	CHECKS:												
27	NAVJOT	6029	12	3602	11	4815	12	-	-	-	31.84	78.49	46.12
28	SURYA	4573	28	2018	28	3295	29	-	-	-	-	-	-
29	X-3342	5253	23	3098	18	4175	23	-	-	-	14.87	53.50	26.70
30	GANGA - 11	5566	22	3708	10	4637	16	-	2.93	-	21.72	83.72	40.70
	MEAN YIELD=	5819		3442		4630							
	MEAN STAND	38		-		38							
	C.D. AT 5%=	359		615		487							
	C.V. % =	3.78		10.93		-							
	F (Prob)	.000		.000									
	PLOT SIZE=	6.00		6.00		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		26-06		-							
	HARVEST DATE(2002)	30-09		9-10		-							
	IRRIGATION Nos	2		-		-							
	FERTILIZER APPLIED N	100		-		-							
	P	60		-		-							
	K	-		-		-							

TABLE NO. 70 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % SILKING UDAI	CHIT	ZN 5 MEAN	DAYS TO 50 % DRY HUSK UDAI	CHIT	ZN 5 MEAN	MOISTURE % AT HARVEST UDAI	CHIT	ZN 5 MEAN	PLANT ASP.* UDAI
1	E H 1467	50.3	47.3	48.8	76.7	74.0	75.3	15.8	15.7	15.7	2.5
2	E H 1468	51.3	48.3	49.8	81.3	78.0	79.7	18.0	15.6	16.8	2.2
3	E H 1469	50.7	51.7	51.2	78.0	93.3	85.7	17.1	15.1	16.1	2.8
4	E H 1470	52.3	54.0	53.2	82.7	82.7	82.7	19.0	17.3	18.1	2.2
5	E H 1471	56.3	61.3	58.8	84.3	84.0	84.2	19.8	19.7	19.7	2.1
6	E H 1472	51.7	52.3	52.0	80.3	83.0	81.7	17.0	15.1	16.0	2.2
7	E H 1473	51.7	56.0	53.8	82.0	86.3	84.2	18.5	16.0	17.3	2.4
8	E H 1474	56.0	59.7	57.8	83.3	95.7	89.5	20.5	17.1	18.8	1.8
9	E H 1475	49.7	47.7	48.7	78.7	84.3	81.5	19.0	18.4	18.7	2.6
10	E H 1476	50.7	53.0	51.8	78.7	80.0	79.3	17.0	15.5	16.3	2.4
11	E H 1477	51.0	46.7	48.8	81.0	80.3	80.7	17.5	16.5	17.0	2.2
12	E H 1478	50.7	48.3	49.5	77.3	74.0	75.7	16.7	15.2	16.0	2.8
13	E H 1479	48.3	51.3	49.8	77.0	82.7	79.8	18.1	16.0	17.0	2.8
14	E H 1480	49.3	52.3	50.8	79.3	89.3	84.3	16.5	14.5	15.5	2.4
15	E H 1481	52.3	54.7	53.5	81.3	84.7	83.0	18.0	15.5	16.8	2.4
16	E H 1482	50.7	53.3	52.0	76.7	79.7	78.2	16.9	15.4	16.1	2.8
17	E H 1483	54.7	51.0	52.8	84.7	85.0	84.8	17.9	14.9	16.4	2.0
18	E H 1484	52.3	56.7	54.5	82.3	74.3	78.3	17.5	17.9	17.7	2.3
19	E H 1485	49.7	46.0	47.8	77.0	81.0	79.0	16.4	17.4	16.9	2.5
20	E H 1486	48.3	47.0	47.7	76.7	73.7	75.2	15.9	15.0	15.5	2.6
21	E H 1487	48.3	46.0	47.2	77.3	73.7	75.5	15.8	13.6	14.7	3.0
22	E H 1488	52.3	56.0	54.2	82.3	79.3	80.8	16.5	15.1	15.8	1.9
23	E C 3134	52.0	47.0	49.5	78.3	81.3	79.8	16.8	18.2	17.5	2.1
24	E C 3108	50.3	45.0	47.7	77.3	80.7	79.0	15.2	15.2	15.2	2.3
25	E C 3121	52.3	52.7	52.5	78.0	85.0	81.5	17.5	16.3	16.9	2.4
26	E C 3110	52.0	50.3	51.2	82.3	79.3	80.8	16.1	17.4	16.8	2.4
	CHECKS:										
27	NAVJOT	54.3	58.0	56.2	84.0	93.7	88.8	19.3	21.3	20.3	2.3
28	SURYA	49.3	43.7	46.5	76.0	77.0	76.5	15.3	14.2	14.7	3.2
29	X-3342	50.3	53.7	52.0	80.3	88.3	84.3	18.4	18.9	18.6	2.1
30	GANGA - 11	58.3	61.7	60.0	85.7	99.7	92.7	19.8	24.5	22.1	2.2
	MEAN LOCATION	51.6	51.8	51.7	80.0	82.8	81.4	17.4	16.6	17.0	2.4
	C.D. AT 5%=	1.3	1.8	1.6	2.1	3.7	2.9	0.6	0.5	0.6	0.5
	C.V. % =	1.5	2.2	-	1.6	2.7	-	2.1	2.0	-	12.3
	F (Prob)	.000	.000	-	.000	.000	-	.000	.000	-	.000

TABLE NO. 70 (CONT.)

Sl No	PEDIGREE	EAR ASP.* UDAI	HUSK COV.* UDAI	UNIF. * UDAI	PLANT HEIGHT (cm) UDAI	CHIT	ZN 5 MEAN	EAR HEIGHT (cm) UDAI	CHIT	ZN 5 MEAN	EAR NO. /PLANT UDAI	STAND HARV UDAI
1	E H 1467	2.6	2.2	2.7	207	180	193	92	81	87	1.00	40
2	E H 1468	2.6	1.7	2.0	235	173	204	112	82	97	1.00	41
3	E H 1469	2.5	1.7	2.8	215	189	202	102	87	94	1.01	32
4	E H 1470	2.8	1.5	2.9	208	175	192	100	77	88	1.01	39
5	E H 1471	2.5	1.5	2.5	230	200	215	107	87	97	1.01	36
6	E H 1472	2.3	1.9	2.2	230	195	213	93	87	90	1.01	35
7	E H 1473	2.3	2.2	2.5	235	188	212	103	91	97	1.00	38
8	E H 1474	1.9	1.6	2.4	242	199	221	138	76	107	1.00	39
9	E H 1475	2.2	1.9	2.1	230	181	206	95	81	88	1.00	38
10	E H 1476	2.5	2.2	2.4	243	192	218	118	85	102	1.01	41
11	E H 1477	2.5	2.1	2.6	227	185	206	113	83	98	1.01	38
12	E H 1478	2.7	2.0	2.7	233	177	205	130	91	111	1.00	42
13	E H 1479	2.3	1.9	2.7	222	182	202	87	78	82	1.01	38
14	E H 1480	2.5	2.0	2.4	188	151	170	100	76	88	1.01	43
15	E H 1481	2.3	2.2	2.3	205	160	183	98	81	90	1.01	37
16	E H 1482	2.9	2.3	3.0	218	158	188	95	85	90	1.00	32
17	E H 1483	2.1	1.7	2.7	233	167	200	107	87	97	1.00	39
18	E H 1484	2.7	1.9	2.7	230	177	203	117	84	101	1.02	44
19	E H 1485	2.5	2.5	2.3	225	176	200	97	75	86	1.01	43
20	E H 1486	2.3	2.0	2.6	247	185	216	107	92	99	1.04	33
21	E H 1487	2.4	2.3	2.7	217	166	191	87	64	75	1.01	33
22	E H 1488	2.4	1.5	2.4	237	172	204	115	90	103	1.01	36
23	E C 3134	2.5	1.8	2.5	230	180	205	108	92	100	1.02	40
24	E C 3108	2.4	1.8	2.5	230	202	216	117	102	109	1.03	39
25	E C 3121	2.3	1.9	2.7	233	187	210	100	88	94	1.00	42
26	E C 3110	2.3	1.8	2.7	232	170	201	115	82	99	1.02	38
	CHECKS:											
27	NAVJOT	2.8	2.0	2.8	245	203	224	115	93	104	1.01	34
28	SURYA	3.4	2.3	2.8	200	163	182	85	72	78	1.00	31
29	X-3342	2.3	2.2	1.9	247	190	218	97	93	95	1.01	38
30	GANGA - 11	2.2	1.7	2.7	268	208	238	137	103	120	1.02	40
	MEAN LOCATION	2.5	1.9	2.5	228	181	205	106	85	95	-	38
	C.D. AT 5%=	0.7	0.6	0.6	29.7	9.9	19.8	26.7	6.5	16.6	-	4.6
	C.V. % =	17.2	17.8	13.6	8.0	3.3	-	15.4	4.7	-	-	7.5
	F (Prob)	.227	.023	.040	.003	.000	-	.008	.000	-	-	.000

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO 71

PERFORMANCE OF EXPERIMENTAL HYBRIDS/SINGLE CROSSES/TOP CROSSES & COMPOSITES AT GODHRA, DAHOD IN TRIAL No. TR551A DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GODH	R	DAHO	R	ZN 5 MEAN	R	GRAIN YIELD OVER THE GM - 6 GODH	% SUPERIORITY DAHO	ZN 5 MEAN
1	I C - 9701	4607	1	5940	2	5273	2	16.32	8.14	11.56
2	I C - 9634	3755	7	5302	5	4529	6	-	-	-
3	I C - 9631	4548	2	5215	6	4881	3	14.84	-	3.28
4	I C - 9801 A	3892	6	4889	8	4390	8	-	-	-
5	I C - 9829	4156	4	4775	10	4466	7	4.95	-	-
6	I C - 9605	3376	9	4896	7	4136	9	-	-	-
	CHECKS:									
7	GM - 6	3960	5	5493	3	4726	4	-	-	-
8	NARMADA MOTI	3738	8	5357	4	4547	5	-	-	-
9	GANGA SAFED - 2	4252	3	7036	1	5644	1	7.37	28.10	19.42
10	GM - 4	3288	10	4784	9	4036	10	-	-	-
	MEAN YIELD=	3957		5369		4663				
	MEAN STAND	73		98		85				
	C.D. AT 5%=	936		963		949				
	C.V. % =	13.84		10.49		-				
	F (Prob)	.066		.007						
	PLOT SIZE=	18.00		18.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	3-07		2-07		-				
	HARVEST DATE(2002)	5-10		8-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	80		80		-				
	P	40		40		-				
	K	-		-		-				

TABLE NO 71 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NARMADA MOTI GODH	NARMADA MOTI DAHO	NARMADA MOTI ZN 5 MEAN	GANGA SAFED - 2 GODH	GANGA SAFED - 2 DAHO	GANGA SAFED - 2 ZN 5 MEAN	GM - 4 GODH	GM - 4 DAHO	GM - 4 ZN 5 MEAN
1	I C - 9701	23.25	10.87	15.96	8.33	-	-	40.09	24.17	30.65
2	I C - 9634	0.46	-	-	-	-	-	14.19	10.85	12.21
3	I C - 9631	21.68	-	7.34	6.95	-	-	38.31	9.01	20.95
4	I C - 9801 A	4.11	-	-	-	-	-	18.34	2.20	8.78
5	I C - 9829	11.20	-	-	-	-	-	26.39	-	10.65
6	I C - 9605	-	-	-	-	-	-	2.66	2.35	2.47
	CHECKS:									
7	GM - 6	5.96	2.53	3.94	-	-	-	20.44	14.82	17.11
8	NARMADA MOTI	-	-	-	-	-	-	13.67	11.99	12.67
9	GANGA SAFED - 2	13.77	31.34	24.12	-	-	-	29.32	47.09	39.85
10	GM - 4	-	-	-	-	-	-	-	-	-

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED GODH	DAYS TO 50% POLLEN SHED DAHO	DAYS TO 50% POLLEN SHED ZN 5 MEAN	DAYS TO 50% SILKING GODH	DAYS TO 50% SILKING DAHO	DAYS TO 50% SILKING ZN 5 MEAN	50% DRY HUSK MOIST.% HARV. GODH	50% DRY HUSK MOIST.% HARV. GODH	PLANT ASPECT * GODH	PLANT ASPECT * DAHO	PLANT ASPECT * ZN 5 MEAN
1	I C - 9701	44.3	46.3	45.3	49.7	52.0	50.8	72.0	20.6	1.8	1.3	1.6
2	I C - 9634	44.0	42.3	43.2	48.7	47.3	48.0	71.0	17.0	2.7	2.3	2.5
3	I C - 9631	45.3	45.7	45.5	50.3	51.0	50.7	73.3	23.3	1.7	1.7	1.7
4	I C - 9801 A	43.7	44.0	43.8	46.0	48.7	47.3	69.0	18.1	2.7	2.7	2.7
5	I C - 9829	44.0	43.7	43.8	48.3	47.3	47.8	72.7	19.4	2.0	2.7	2.3
6	I C - 9605	45.3	41.0	43.2	50.0	46.3	48.2	72.7	18.0	2.5	2.7	2.6
	CHECKS:											
7	GM - 6	42.7	42.3	42.5	48.0	47.3	47.7	71.3	20.2	1.8	2.0	1.9
8	NARMADA MOTI	44.3	42.7	43.5	49.0	48.0	48.5	71.7	23.3	2.0	2.0	2.0
9	GANGA SAFED - 2	46.7	48.0	47.3	51.3	53.0	52.2	73.7	19.5	2.0	1.3	1.7
10	GM - 4	44.3	41.0	42.7	49.7	47.0	48.3	72.7	22.3	2.5	2.7	2.6
	MEAN LOCATION	44.5	43.7	44.1	49.1	48.8	48.9	72.0	20.2	2.2	2.1	2.2
	C.D. AT 5%=	3.2	2.2	2.7	3.1	1.8	2.5	3.5	3.9	0.6	1.2	0.9
	C.V. % =	4.2	2.9	-	3.7	2.2	-	2.8	11.3	16.2	33.6	-
	F (Prob)	.474	.000	-	.098	.000	-	.283	.030	.012	.148	-

TABLE NO 71 (CONT.)

Sl No	PEDIGREE	EAR ASP.* GODH	HUSK COVER * GODH	DAHO	ZN 5 MEAN	UNIF. * GODH	PLANT HEIGHT (cm) GODH	DAHO	ZN 5 MEAN
1	I C - 9701	2.7	2.3	2.0	2.2	2.2	186	209	197
2	I C - 9634	3.5	2.5	2.3	2.4	2.3	186	185	186
3	I C - 9631	2.5	2.2	2.0	2.1	2.0	182	193	187
4	I C - 9801 A	3.3	2.5	3.0	2.8	2.5	191	188	190
5	I C - 9829	3.0	2.5	2.3	2.4	2.3	188	186	187
6	I C - 9605	3.5	2.8	2.7	2.8	2.5	183	185	184
	CHECKS:								
7	GM - 6	2.2	2.0	2.3	2.2	2.2	187	195	191
8	NARMADA MOTI	3.5	2.3	2.7	2.5	2.5	189	184	187
9	GANGA SAFED - 2	2.5	2.5	1.7	2.1	2.3	189	191	190
10	GM - 4	3.0	2.7	2.3	2.5	2.7	183	185	184
	MEAN LOCATION	3.0	2.4	2.3	2.4	2.3	186	190	188
	C.D. AT 5%=	0.9	0.7	0.8	0.8	0.7	19.6	24.4	22.0
	C.V. % =	18.4	17.1	20.7	-	17.8	6.1	7.5	-
	F (Prob)	.054	.485	.117	-	.715	.988	.593	-

Sl No	PEDIGREE	EAR HEIGHT (cm) GODH	DAHO	ZN 5 MEAN	EAR NO./PLANT GODH	DAHO	ZN 5 MEAN	STAND AT HARVEST GODH	DAHO	ZN 5 MEAN
1	I C - 9701	83	112	97	1.04	0.92	0.98	62	90	76
2	I C - 9634	86	90	88	1.00	0.85	0.92	78	95	87
3	I C - 9631	91	110	101	1.04	0.99	1.01	78	109	93
4	I C - 9801 A	98	102	100	0.99	1.12	1.05	85	103	94
5	I C - 9829	91	92	92	1.02	1.01	1.02	69	79	74
6	I C - 9605	78	99	89	1.03	0.97	1.00	91	99	95
	CHECKS:									
7	GM - 6	83	99	91	1.05	1.00	1.02	83	102	93
8	NARMADA MOTI	94	102	98	1.03	1.10	1.06	76	104	90
9	GANGA SAFED - 2	96	110	103	1.02	1.03	1.02	41	96	69
10	GM - 4	98	93	96	1.00	1.02	1.01	63	104	84
	MEAN LOCATION	90	101	95	1.02	1.00	1.01	73	98	85
	C.D. AT 5%=	21.1	16.4	18.8	0.1	0.1	0.1	19.9	20.1	20.0
	C.V. % =	13.7	9.5	-	4.9	8.2	-	16.0	11.9	-
	F (Prob)	.520	.109	-	.887	.031	-	.003	.187	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 72

PERFORMANCE OF COMPOSITES AT GODHRA, KHEDBRAHMA IN TRIAL No. TR551B DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE GODH	R	KHED	R	ZN 5 MEAN	R	GRAIN YIELD % PUSA-EAR.HYB.-1ZN 5 GODH	KHED	MEAN	SUPERIORITY OVER THE ZN 5 G M - 2 GODH	KHED	MEAN
1	I C - 9646	4514	1	2879	6	3697	2	7.55	-	1.83	29.97	4.59	18.75
2	I C - 9720	4283	4	2880	5	3582	4	2.06	-	-	23.33	4.61	15.05
3	I C - 9728	3309	12	2727	11	3018	12	-	-	-	-	-	-
4	I C - 9407	3692	10	2805	8	3248	10	-	-	-	6.30	1.89	4.35
5	I C - 9832	4187	6	2913	4	3550	5	-	-	-	20.55	5.82	14.04
6	I C - 9327	4300	3	2581	12	3441	6	2.46	-	-	23.81	-	10.53
7	I C - 9666	4375	2	3065	1	3720	1	4.25	0.07	2.48	25.97	11.36	19.51
8	I C - 9325	3842	8	2837	7	3339	8	-	-	-	10.61	3.05	7.26
9	GDRM - 188	3806	9	2994	3	3400	7	-	-	-	9.57	8.78	9.22
10	GDRM - 189	3846	7	2759	9	3303	9	-	-	-	10.73	0.23	6.09
	CHECKS:												
11	PUSA-EARLY HYB.-1	4197	5	3063	2	3630	3	-	-	-	20.84	11.28	16.62
12	G M - 2	3473	11	2753	10	3113	11	-	-	-	-	-	-
	MEAN YIELD=	3985		2855		3420							
	MEAN STAND	83		139		111							
	C.D. AT 5%=	614		498		556							
	C.V. % =	9.12		10.33		-							
	F (Prob)	.153		.660									
	PLOT SIZE=	18.00		18.00		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	3-07		27-06		-							
	HARVEST DATE(2002)	5-10		9-10		-							
	IRRIGATION Nos	-		1		-							
	FERTILIZER APPLIED N	80		80		-							
	P	40		40		-							
	K	-		-		-							

TABLE NO. 72 (CONT.)

Sl No	PEDIGREE	50% POLL. SHED GODH	50% SILK GODH	50% DRY HUSK GODH	MOISTURE % AT HARVEST GODH	KHED	ZN 5 MEAN	PLANT ASP.* GODH	EAR ASP.* GODH
1	I C - 9646	43.0	46.3	80.3	22.5	16.1	19.3	3.0	2.5
2	I C - 9720	43.0	47.0	80.0	24.8	15.9	20.3	2.5	2.5
3	I C - 9728	41.7	46.0	79.3	25.3	16.5	20.9	3.0	2.2
4	I C - 9407	43.0	47.3	80.7	24.4	15.9	20.1	3.5	2.3
5	I C - 9832	43.3	48.0	81.0	20.9	15.9	18.4	3.0	2.2
6	I C - 9327	42.7	46.7	79.7	22.9	15.9	19.4	2.5	2.7
7	I C - 9666	43.3	48.3	81.3	21.0	16.4	18.7	3.0	2.7
8	I C - 9325	42.7	48.0	80.0	22.8	16.1	19.5	3.0	2.5
9	GDRM - 188	43.0	48.3	80.0	20.9	16.3	18.6	2.3	2.5
10	GDRM - 189	43.7	51.7	82.7	22.8	15.6	19.2	2.5	2.7
	CHECKS:								
11	PUSA-EARLY HYB.-1	43.3	48.3	79.3	20.4	16.0	18.2	3.5	2.5
12	G M - 2	44.7	50.7	81.7	22.5	15.8	19.1	2.7	2.3
	MEAN LOCATION	43.1	48.1	80.5	22.6	16.0	19.3	2.9	2.5
	C.D. AT 5%=	1.1	0.8	0.8	0.4	0.5	0.4	0.2	0.7
	C.V. % =	1.5	1.0	0.6	1.0	1.8	-	4.3	18.0
	F (Prob)	.005	.000	.000	.000	.042	-	.000	.899

Sl No	PEDIGREE	HUSK COV.* GODH	UNIF. * GODH	PLANT HT(cm) GODH	EAR HT(cm) GODH	EAR NO /PLANT GODH	STAND AT HARVEST GODH	KHED	ZN 5 MEAN
1	I C - 9646	2.5	3.0	193	113	1.04	85	142	114
2	I C - 9720	2.3	3.0	167	67	1.10	80	138	109
3	I C - 9728	2.8	2.5	203	93	1.18	83	141	112
4	I C - 9407	3.0	3.0	163	82	0.98	93	138	116
5	I C - 9832	3.2	2.7	207	103	1.00	83	143	113
6	I C - 9327	2.7	2.5	173	107	1.03	74	139	107
7	I C - 9666	2.0	2.5	173	93	1.00	88	139	113
8	I C - 9325	2.5	2.8	173	93	1.12	78	139	109
9	GDRM - 188	2.0	2.5	217	108	1.10	87	139	113
10	GDRM - 189	3.5	3.0	207	77	1.05	87	138	112
	CHECKS:								
11	PUSA-EARLY HYB.-1	3.3	3.0	173	82	1.14	60	138	99
12	G M - 2	3.0	3.3	193	103	1.02	95	138	116
	MEAN LOCATION	2.7	2.8	187	93	-	83	139	111
	C.D. AT 5%=	0.3	0.3	9.7	7.4	-	21.1	4.2	12.7
	C.V. % =	6.9	5.3	3.1	4.6	-	15.1	1.8	-
	F (Prob)	.000	.000	.000	.000	-	.160	.245	-

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 73

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR62A OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST.% AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	A H - 1121	6283	15.9	46	95	97	153	3.0	3.0	3.5	3.5	165	92
2	L - 157	5866	18.5	40	96	98	163	3.0	2.5	3.2	3.5	240	134
3	L - 169	6616	18.3	41	96	98	154	3.0	2.8	3.0	3.5	190	84
4	J H - 10257	6000	17.2	42	93	96	156	3.2	2.4	3.5	3.5	216	100
5	H K H - 1206	5583	15.9	46	94	95	158	3.2	3.0	3.0	3.5	165	101
6	E C - 3110	3783	16.4	48	90	92	154	3.0	3.2	3.2	3.5	195	114
7	E H - 30624	5816	17.3	46	93	95	152	3.1	3.2	3.0	3.5	205	110
8	A H - 1151	7216	18.4	45	91	93	159	3.5	3.0	3.0	3.5	200	88
9	A H - 1154	4550	18.4	46	92	94	149	3.2	3.1	3.0	3.5	175	130
10	U M C - 13	5883	17.2	46	95	97	156	2.6	3.2	3.2	3.5	240	134
11	B H - 2398	7200	17.2	40	95	97	156	3.0	3.0	3.5	3.5	240	149
12	B H - 2523	4433	19.0	44	92	94	152	3.2	3.2	3.2	3.5	215	149
13	U M H - 2	5760	16.4	42	93	95	149	3.0	3.6	3.0	3.5	250	136
14	*ZAURI* -02027	5683	13.4	44	90	92	152	3.4	3.5	3.4	3.5	220	110
15	J K M H - 1080	5716	15.9	45	88	91	153	3.2	2.7	3.5	3.5	146	85
16	B I O - 92218	5250	12.3	42	89	92	151	3.1	3.0	2.9	3.4	200	116
17	X - 2003	5116	18.9	43	92	94	150	3.2	3.2	3.2	3.2	210	129
18	X - 54461	4433	16.4	42	92	96	151	3.6	3.0	3.5	3.5	165	96
19	BIJAM - 1602	8166	-	44	92	94	149	3.2	3.2	3.6	3.5	210	120
20	PRO - 349	4200	15.3	40	93	95	155	3.2	2.9	3.2	3.2	172	98
21	N E C H - 112	4416	18.7	43	88	90	163	3.3	3.2	3.2	2.9	175	150
22	A A M H - 203	5266	18.3	47	96	98	158	3.0	3.2	3.2	3.5	140	86
23	AGRI M H - 206	4216	18.9	40	90	92	159	3.5	3.6	3.2	3.5	190	120
24	SEEDTEC - 3435	7533	17.6	43	90	93	160	3.0	3.0	3.2	3.5	180	115
25	BISCO - 3123	6150	16.5	42	92	94	159	3.2	3.0	3.6	3.5	190	124
26	NAVJOT	5916	16.5	45	91	93	153	3.0	3.5	3.0	3.2	185	109
27	K H - 510	7583	16.8	44	90	92	150	3.4	2.5	2.7	3.5	176	99
28	*SARTAJ*	5300	14.2	41	91	92	156	3.0	2.7	2.7	3.2	170	84

C.D = 849 kg/ha
C.V = 10.85%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 74

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR62B OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	A H - 1122	5933	17.2	39	88	90	160	2.6	3.3	3.6	3.0	190	83
2	L - 161	4200	19.2	47	90	92	157	2.9	3.5	3.5	3.2	202	73
3	L - 173	5350	19.2	45	94	96	160	2.7	2.5	3.5	3.2	190	66
4	H K H - 1191	5866	17.2	43	90	92	158	3.5	2.5	3.0	3.2	190	86
5	E C - 3116	5033	16.5	38	92	94	157	3.0	3.4	3.4	3.0	160	116
6	E H - 30632	5437	18.3	42	89	91	154	3.5	2.7	2.9	2.7	175	97
7	A H - 1150	3333	18.2	42	91	93	160	3.0	3.5	2.6	3.0	190	92
8	A H - 1152	4516	16.9	39	95	97	166	3.0	3.5	3.1	3.0	175	99
9	D - 003	5600	16.5	46	91	93	158	3.0	3.2	3.5	2.5	175	104
10	C H H - 131	4683	16.3	39	90	92	158	3.2	3.0	2.5	3.0	175	82
11	B H - 2528	5883	19.2	44	92	94	156	3.0	3.0	2.8	2.8	145	91
12	U M H - 1	5750	17.5	46	89	91	161	3.0	3.2	2.8	3.0	185	96
13	ZAURI 2021	6350	16.3	45	88	90	155	3.0	3.2	2.7	3.5	180	109
14	J K M H - 120	4450	18.3	40	92	94	162	3.0	3.2	3.2	3.0	230	83
15	KAVERI - 235	6300	17.2	40	93	96	158	3.1	3.2	3.5	3.4	165	95
16	BIO- 91298	6616	17.4	41	87	90	162	3.2	3.0	3.5	3.2	140	97
17	X - 1095	6450	16.2	44	91	93	159	3.2	2.5	3.5	3.1	185	76
18	BIJAM 1601	7533	15.2	35	90	92	155	3.0	3.5	3.5	3.4	196	76
19	P M Z - 131	4566	16.2	42	94	96	152	3.0	3.2	3.2	3.0	199	78
20	AMAR-999	5000	18.3	36	93	96	152	3.5	3.5	3.0	3.0	220	77
21	N E C H - 113	5078	16.3	43	92	95	158	3.2	3.2	3.0	3.0	180	88
22	A A M H - 204	7700	17.2	47	90	93	152	3.0	2.7	3.5	3.5	180	88
23	X - 1231 F	5533	17.2	36	94	96	159	3.2	3.0	3.0	2.8	205	71
24	SEEDTEC - 6234	5350	16.5	38	95	97	161	3.5	3.0	3.2	3.0	195	64
25	BISCO-SURAJ-11	6808	18.2	44	93	96	162	3.5	2.5	2.8	3.0	190	96
26	NAVJOT	4933	18.0	48	89	91	155	2.8	3.2	3.2	3.1	180	93
27	KH- 510	5900	18.3	46	95	97	158	3.2	3.0	3.5	3.0	195	56
28	SARTAJ	5666	16.4	36	91	93	153	3.0	3.2	3.2	3.0	200	99

C.D= 803 kg/ha
C.V.=7.99%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 75

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR63 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	F H - 3172	5500	18.2	42	83	85	156	3.0	3.0	3.0	3.0	170	96
2	F H - 3161	2683	17.3	46	85	88	163	3.5	3.0	3.0	3.0	140	81
3	F H - 3193	4050	16.4	43	83	85	162	3.0	3.5	3.0	3.2	175	83
4	L - 165	2533	19.2	46	81	84	165	3.5	3.0	3.5	3.2	176	85
5	L - 168	2866	17.3	46	82	85	157	3.2	3.5	3.0	3.5	166	76
6	L - 152	3516	18.2	41	84	87	156	3.0	3.2	3.0	3.0	175	116
7	L - 151	3750	16.5	42	95	98	152	3.0	3.0	2.9	3.0	190	121
8	J H - 3871	3866	15.7	44	97	98	155	2.7	3.2	3.0	3.0	175	116
9	J G B M - 3	4016	19.2	45	83	86	151	2.5	3.0	3.0	3.0	205	141
10	R - 9803	4583	18.0	43	81	83	152	3.2	3.0	3.0	3.0	140	99
11	E H - 30649	4016	16.5	42	81	82	161	2.8	3.0	2.5	3.0	160	82
12	E H - 30653	2083	17.2	43	93	96	167	3.0	3.0	2.5	3.0	230	124
13	E H - 30689	2516	18.3	44	82	84	156	3.0	3.0	3.2	3.5	210	106
14	E H - 30634	2633	19.2	44	78	81	159	2.9	2.7	3.5	3.0	185	89
15	A H - 1155	2216	18.2	46	79	82	158	3.0	3.5	3.0	3.2	169	86
16	A H - 1139	5833	17.4	44	85	88	164	3.2	3.1	3.0	3.0	205	121
17	D E H - 10101	3300	19.2	45	80	83	159	3.5	3.0	3.5	3.2	170	67
18	ZAURI 2052	4000	16.3	45	84	86	158	3.2	3.2	3.2	3.5	177	67
19	ZAURI 2054	3400	17.4	46	82	85	156	3.2	3.2	3.0	3.2	225	127
20	J K M H - 569	5216	18.0	41	80	83	154	3.0	3.2	2.9	3.5	165	99
21	B I O 92136	4766	19.2	42	86	89	153	3.0	3.5	2.7	3.5	185	99
22	BIO - 92109	5200	15.6	40	80	83	160	2.9	2.7	3.0	3.0	190	102
23	X - 2005	4600	17.4	47	89	92	162	2.9	2.5	3.0	3.0	170	111
24	X - 2051	5566	18.2	45	84	87	152	3.0	3.0	3.0	3.0	175	94
25	P RO - 352	5216	19.0	41	82	85	150	3.5	2.7	3.5	2.9	170	92
26	P R O - 353	5300	16.4	44	82	84	153	3.0	3.2	3.0	3.0	200	116
27	H I M - 129	4016	13.5	46	83	86	154	3.0	3.0	3.0	3.0	160	100
28	SEEDTEC - 1204	4533	17.2	42	83	85	156	3.0	3.0	3.0	3.0	170	96
29	SEEDTEC - 1202	4683	17.3	40	96	98	156	3.2	3.0	2.9	3.0	160	114
30	BISCO - 2434	3033	18.2	44	81	84	154	3.0	2.9	3.0	2.9	200	105
31	BISCO - 208	5766	17.4	42	94	97	158	3.2	2.9	3.0	3.0	190	121
32	X - 3342	5850	13.2	46	80	83	159	2.5	3.2	3.0	3.0	165	96
33	MAHI KANCHAN	2433	16.5	46	81	83	158	3.5	2.8	3.0	3.0	190	88
34	MEGHA	3165	17.2	45	81	83	156	3.5	2.9	3.0	3.0	185	88

C.D.=533.3 kg/ha
C.V=9.27%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 76

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR64 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	F H - 3176	2916	16.2	47	82	84	155	2.5	2.6	2.3	2.5	121	61
2	F H - 3186	4183	16.2	47	85	88	157	3.0	3.0	3.0	3.0	191	97
3	V L - 97	4116	15.4	48	85	88	150	2.5	2.5	2.5	3.0	151	72
4	V L - 99	4033	15.4	49	79	81	153	2.9	3.0	3.0	2.5	184	122
5	V L - 100	6016	18.3	49	80	83	151	2.5	3.0	3.0	2.5	231	127
6	A H - 1153	4650	17.4	45	89	91	156	3.0	3.0	3.0	2.5	176	114
7	ZAURI 2050	3116	15.3	46	83	85	148	2.9	3.0	3.0	2.5	175	63
8	J K M H - 549	6233	16.3	47	82	84	152	2.9	2.8	3.0	2.5	186	78
9	X - 82	5433	17.2	48	78	81	149	2.8	2.9	2.8	3.0	192	82
10	P R O - 354	3166	17.2	48	81	83	152	2.5	3.0	3.0	2.6	192	98
11	P R O - 355	4383	15.3	45	83	85	155	3.0	3.0	3.0	2.5	210	109
12	SEEDTEC - 1205	3966	18.2	46	86	88	155	3.0	3.0	3.0	2.5	210	124
13	SEEDTEC - 1206	3166	16.4	48	84	86	156	2.6	2.5	2.7	2.5	103	62
14	BISCO - 207	4433	17.2	44	86	89	156	3.0	3.0	3.0	2.5	204	126
15	HIM - 129	4066	16.0	44	85	87	150	3.0	2.9	3.0	3.0	182	99
16	SURYA	2533	15.3	48	84	86	156	2.6	2.5	2.7	2.5	103	62
17	MEGHA	4533	15.3	46	85	87	155	2.3	2.4	2.8	2.5	201	99

C.D = 649 kg/ha
C.V.= 8%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 77

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR67 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST.% AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	I C - 9407	4108	17.4	90	93	96	163	3.0	3.2	3.5	3.5	168	98
2	F H - 3146	3433	16.3	91	93	96	161	3.1	2.6	3.1	3.0	176	73
3	F H - 3165	4891	18.2	94	82	84	157	3.0	3.5	2.9	3.5	186	86
4	C H H - 128	4683	15.6	96	89	92	152	2.7	2.7	3.0	2.7	197	56
5	A H - 1136	3641	19.2	90	92	94	160	3.2	2.9	3.2	3.5	166	75
6	J H - 3854	4875	18.3	91	94	97	159	3.5	3.5	3.5	3.6	169	96
7	R - 9701	4166	17.4	89	83	85	155	3.0	3.3	2.6	3.0	173	73
8	E C - 1108	4941	16.3	93	85	88	162	3.2	3.4	2.4	3.1	193	82
9	L - 147	3641	20.2	92	86	88	154	3.3	3.2	3.0	2.7	186	81
10	R - 9801	4791	18.2	93	90	93	158	3.3	3.2	3.5	2.9	196	92
11	X - 2001	5208	15.2	96	87	89	159	3.0	3.2	3.5	3.3	175	95
12	X - 2002	5258	14.7	95	86	88	151	3.2	2.9	3.1	3.0	156	57
13	BISCO - 202	5100	19.0	89	80	83	155	3.0	2.6	2.5	3.3	196	81
14	BISCO-203	5100	16.4	90	93	96	163	3.0	3.2	3.5	3.5	168	98
15	SEEDTEC - 105	4291	21.2	91	82	84	157	3.2	3.1	3.1	2.6	181	96
16	SEEDTEC - 204	5308	19.2	93	92	94	149	2.9	3.2	2.6	3.2	146	91
17	X - 3342	4841	18.2	94	91	93	153	3.0	3.5	3.0	3.2	156	76
18	MAHI KANCHAN	4583	21.0	92	93	96	150	2.7	3.0	2.7	3.5	136	68
19	MEGHA	4058	17.3	93	86	88	163	3.0	3.5	3.5	3.5	176	92

C.D=758 kg/ha
C.V.=9.10%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 78

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR68 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST.% AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	E C - 3108	4075	19.2	47	86	89	149	2.6	3.4	2.8	3.1	200	116
2	FILLER	4891	18.3	42	82	84	148	3.2	3.5	3.4	2.6	195	112
3	D - 995	4608	17.2	45	88	91	148	2.9	2.6	3.5	3.6	175	82
4	K - 88	4800	16.4	46	89	91	152	2.7	2.8	3.0	2.7	180	91
5	K - 89	4675	19.2	44	89	91	155	3.0	3.5	3.5	3.2	190	84
6	B A U (FS) V 1	4233	18.0	47	86	88	151	3.0	3.2	2.7	2.5	220	104
7	D E H - 20397	4025	17.2	48	85	87	146	2.0	3.0	2.6	2.5	190	110
8	HIM - 129	3475	20.1	41	81	83	152	3.5	3.5	3.2	2.7	140	71
9	SURYA	3392	19.2	46	87	89	152	3.5	3.5	2.7	3.5	162	64

C.D=648 kg/ha

C.V=10.39 %

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 79

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR69 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	B H - 1015	4016	19.3	123	95	97	159	3.0	2.9	2.7	2.5	193	94
2	P R O - 339	3833	18.2	116	96	98	158	3.3	3.0	3.5	3.2	196	95
3	FILLER	3666	17.4	115	98	100	159	3.1	3.2	3.2	3.1	177	73
4	F - 7012	4222	20.2	127	96	98	155	2.6	2.6	3.1	2.9	159	86
5	F - 7013	3791	16.5	125	93	95	156	3.2	2.0	3.0	3.6	146	71
6	GANGA - 11	4277	19.0	127	97	100	160	3.2	2.6	2.6	3.0	156	72
7	DECCAN - 103	4094	21.0	118	95	97	157	2.5	3.5	3.2	3.2	158	73
8	PARBHAT	4400	18.2	122	94	96	161	3.5	3.5	2.9	2.5	192	86
9	P R O - 311	4455	21.2	121	97	100	160	3.2	3.5	2.6	3.5	186	71

C.D=591 kg/ha
C.V.=7.32%

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 80

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR 70 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	C H H - 77	4305	19.2	126	82	84	150	3.2	3.5	2.9	3.0	180	84
2	SEEDTEC - 2331	3533	18.3	122	83	86	153	3.5	2.9	3.0	3.5	155	66
3	R - 9601	3872	16.4	132	84	87	156	3.0	3.2	2.8	2.6	175	99
4	A H - 916	4211	17.5	124	93	95	152	3.5	3.2	3.5	3.5	175	91
5	A H - 918	3888	18.3	125	86	89	154	3.2	3.0	3.0	3.5	185	111
6	A H - 915	3694	20.0	118	83	86	159	3.5	2.6	2.3	3.2	205	121
7	A H - 387	4316	21.2	116	92	94	152	3.6	2.5	2.7	2.7	170	106
8	NAVJOT	4233	19.3	120	86	89	158	2.6	3.2	2.0	3.5	215	120
9	K H - 510	3922	18.2	120	86	89	149	3.0	3.5	3.2	3.2	161	81
10	SARTAJ	4444	17.2	136	93	95	164	3.0	3.5	2.5	3.5	210	99

C.D.=438 kg/ha

C.V.=7.27 %

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 81

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR 71 *OF 2001 KHARIF PLANTED DURING KHARIF (2002).*

Sl. No.	PEDIGREE	YIELD (Kg/ha)	% MOIST. AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	F H - 3097	3816	19.3	124	82	84	142	2.5	2.8	2.6	3.5	195	57
2	P M Z - 128	3933	18.2	131	80	83	147	2.5	3.0	3.2	2.9	176	38
3	P R O - 340	3816	17.4	120	84	87	141	3.0	3.2	3.2	3.5	188	78
4	F H - 3113	3988	21.0	126	81	83	140	2.5	3.4	2.8	3.5	173	91
5	F H - 3138	3572	20.2	124	86	88	148	3.5	2.5	2.5	2.5	137	83
6	S S F X - 9199	4416	18.5	122	79	82	148	2.5	2.9	2.9	2.9	196	76
7	J K - 068-2	3816	16.2	127	81	83	143	3.2	3.2	3.0	3.5	184	61
8	K H - 5991	4122	18.3	123	87	89	143	3.3	2.6	2.6	3.2	145	58
9	X - 3342	3922	17.4	126	79	82	145	3.1	3.5	3.0	2.9	156	71
10	MAHI KANCHAN	4233	19.2	132	84	86	144	3.0	3.0	3.0	2.8	173	72
11	MEGHA	3711	16.5	125	82	84	147	3.4	3.0	2.9	3.2	192	75

C.D=644 kg/ha

C.V.=9.12%

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 82

PERFORMANCE OF EXTA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR72 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST.% AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	J H - 3795	4433	17.4	47	95	97	146	3.0	3.0	3.0	2.5	200	103
2	J H 3125	4800	16.3	47	91	93	149	3.5	3.0	2.9	2.5	222	147
3	K H - 581	5533	18.2	46	92	94	152	3.0	2.9	3.0	2.7	152	83
4	J K M H - 178-	4700	15.6	45	90	92	148	3.5	3.5	3.0	3.0	182	63
5	HIM - 129	6100	19.2	49	93	95	149	2.9	3.0	3.0	2.5	162	79
6	SURYA	5833	18.3	48	94	96	155	2.6	2.4	2.9	2.5	122	78

C.D=813 kg/ha

C.V=10.50%

* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 83

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR 101 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	% MOIST. AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	X - 2003	5266	16.3	36	95	97	162	2.0	2.6	3.5	3.0	160	100
2	RCAMP - 7	4666	17.4	34	96	99	165	2.7	2.7	3.0	3.0	185	104
3	SKUM - MW - 11	5000	18.0	39	93	96	169	2.6	2.3	3.0	2.5	220	110
4	L - 158	5266	15.9	37	94	96	168	2.1	2.7	3.2	3.0	205	94
5	L - 180	6666	17.3	38	93	95	167	2.0	2.5	3.0	3.0	155	71
6	L - 182	5750	16.2	37	97	99	171	3.5	2.6	3.2	2.4	170	100
7	EHB - 1550	7100	19.2	35	91	93	170	2.9	2.1	3.2	3.0	184	90
8	EHB - 1555	4433	18.3	33	97	99	163	2.6	2.3	2.6	3.5	165	61
9	KH - 510	6833	16.4	36	90	92	166	2.3	2.9	2.9	3.5	170	97
10	LOCAL	4277	19.2	36	98	100	166	3.2	2.4	3.1	2.6	241	116
11	NAVJOT	4050	18.3	39	92	94	168	2.8	2.5	3.1	3.0	161	100

C.D. = 1192 Kg/ha
C.V=13.84%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

TABLE NO. 84

PERFORMANCE OF MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN IET, TRIAL No. TR 102 OF 2001 KHARIF PLANTED DURING KHARIF (2002).

Sl. No.	PEDIGREE	YIELD (Kg/ha)	MOIST. % AT HARV.	STAND AT HARV.	50 % POLL. SHED	50 % SILK -ING	50 % DRY HUSK	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO. *	PLANT HT. (cm)	EAR HT. (cm)
1	V L - 101	4850	21.2	48	74	76	143	3.0	3.2	2.7	3.2	125	74
2	POP-31-C4-HS -BULK (ALM)	5466	19.2	46	71	74	147	3.0	2.9	2.7	3.2	156	74
3	F H - 3196	3633	19.2	42	75	77	146	3.5	3.2	3.0	3.0	130	41
4	F H - 3197	4916	17.3	39	71	72	142	3.2	3.1	3.5	3.2	172	83
5	F H - 3198	4450	16.2	46	70	73	150	3.2	3.0	3.5	3.2	199	104
6	F H - 3199	3966	19.2	46	76	78	149	3.5	3.0	2.5	3.2	190	80
7	F H - 3200	3033	17.6	43	73	75	142	2.9	3.2	2.5	3.5	165	76
8	F H - 3201	3550	17.2	38	76	78	148	3.2	3.5	2.6	2.7	110	62
9	F H - 3202	4780	16.5	39	76	78	145	3.5	3.2	3.2	3.2	198	91
10	F H - 3203	4650	16.5	45	73	75	145	3.4	3.3	2.7	3.2	170	82
11	F H - 3204	4350	15.2	39	80	82	148	3.0	3.0	3.5	3.3	152	76
12	F H - 3205	3750	19.4	45	70	73	145	3.5	3.0	3.0	3.0	165	75
13	F H - 3206	4450	18.2	48	72	74	149	3.2	3.0	3.2	3.3	176	84
14	F H - 3207	4616	17.3	47	85	87	154	3.5	3.3	3.5	2.5	152	66
15	F H - 3208	4983	19.2	44	72	74	143	3.0	2.9	3.0	3.2	200	115
16	F H - 3209	5816	18.3	43	72	74	146	3.0	3.2	3.3	3.2	175	85
17	F H - 3226	4550	17.3	47	74	76	152	3.0	3.2	3.5	3.1	175	75
18	F H - 3229	4450	16.2	40	70	72	150	3.5	3.2	3.2	3.2	134	73
19	F H - 3230	3983	18.2	44	74	76	140	3.3	2.7	3.1	3.0	125	71
20	F H - 3173	5050	16.2	48	72	74	143	3.0	3.0	3.1	3.2	176	82
21	X - 2005	4083	19.2	44	70	72	148	3.2	3.0	3.1	2.6	170	84
22	P S - 59	4350	15.6	46	72	74	148	3.1	2.6	3.0	3.5	215	100
23	P S - 62	3050	19.6	43	73	75	146	3.0	3.0	3.2	3.5	170	61
24	L - 170	5250	17.2	44	76	78	141	3.2	3.4	2.9	3.2	195	84
25	L - 176	4433	17.5	42	74	76	141	3.2	3.0	3.0	3.2	155	93
26	L - 178	3466	16.3	44	73	75	146	3.3	3.2	3.5	3.0	120	61
27	L - 179	4116	20.3	46	75	77	150	3.5	3.2	3.0	3.0	140	69
28	KIRAN	5366	16.3	40	78	80	147	3.2	2.6	3.5	2.7	160	73
29	HIM - 129	4100	18.2	38	74	77	144	3.0	2.6	3.0	3.2	179	74
30	VIVAK HYBRID-9	4483	14.6	48	82	81	150	3.2	3.2	3.5	3.5	172	83
31	LOCAL	4300	18.0	39	71	73	147	3.1	3.2	3.1	3.1	150	81
32	SURYA	2983	15.8	46	72	74	145	2.6	3.0	3.0	3.1	120	71

C D. = 400kg/ha
C.V. = 5.36%
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR) .

AGRONOMY

Contents (Agronomy)

Maize Agronomy

Full season maturity

NECH 105 out yielded best check at Delhi, Karnal, Ludhiana, Varanasi, Karimnagar, Kolhapur and at Banaswara. Performance of BH 11620 outstanding at Delhi and Karnal Entry F 8007 showed significant superiority at Karimnagar and Kolhapur.

Medium Season

BIO 81009 and BIO 81096 at Jorhat HKH 11170 at Karnal and Ludhiana JIC MH 168 BIO 9111 Baharaich and Jjashipur, and BH 11576 at Kolhapur and Karimnagar and BIO 911116 at Banaswara, Udaipur and at Chindwara performed significantlly superior over best check.

Early Maturity

FH 3138 and x 3342 were two outstanding entires in hill region (Zone-I). X 3342 also out yielded best check at Karnal, Ludhiana and Kolhapur. BISCO 203 and x 2002 were another entries which produced significantally higher yield at Karnal and Ludhiana in Zone-II.

Extra early maturity

Performance of AH 421 was outstanding at Almora, Kangra, Ludhiana, Karnal, Karimnagar and Kolhapur. In Zone III entry D 994 showed its superiority at Jashipur and Varanasi.

QPM

DMR QPM 39 (CML 142 x CML 150) at Chindwara and DMR QPM 40 (CML 175 x CML 176) at Ludhiana out yielded best check shaktiman 1 at varying level of nitrogen.

Baby Corn-Varieties

VL 78, FH 3176, VL 42 and HIM-123 were varieties which produced reasonable baby corn yield.

Effect of Date of sowing on the yield of hybrids

Under early sowing (June 1 and 20) as 72-A was outstanding hybrids while under timely sown condition (July 10) JH 1479 produced highest yield.

Effect of method of sowing

Dibbling on the side of ridge was formed best method at Chindwara.

Nitrogen levels for inbred lines

Differential response of inbreds to nitrogen level was not significant V 25 was highly productive inbred followed by CM 145 and CM 212

Intercropping in maize

Maize+ soybeen (3:1 ratio) was found good for minimum reduction in yield of main crop with substantial yield of intercrop at Godhra.

Weed management intercropping

Alachlor was in maize + soybeen and maize + nash was very effecting weedicide for increasing yield and reducing weed population.

Organic mater recycling

Application FYM in addition NPK significantly increased the yeild of maize and wheat in cropping system at Almora, Chindwara and Banswara

Thou-urea tratment

Seed soaking in 0.1% thio-urea solution (6 hours) or spraying same concentation at tasselling stage, increased grain productivity at Udaipur and Banswara, respectively

Tolerance to waterlogging at Pantnagar

Excess soil moisture treatment was applied at knee-high stage continuously for one week. Same sets of materials were also grown under normal moisture conditions, as control. Data on various morph-logical traits, including plant mortality after waterlogging treatment, plant height, ear height, days to 50% anthesis and silking, plant stand at harvest and grain yield.

In full season maturity AET-1 trials 13 entries tested zone-2 and 3, including four checks. Among six entries in zone-2, best performance under waterlogging was noted with Deccan-103 with 28.9% yield loss under stress, followed by BIO-9681 (32.8%). In zone-3 the BIO-9681 ranked on top with least yield losses (5.6%). In medium maturity AET-1 trials total 33 entries were evaluated, including 14 in zone-2 and 19 in zone-3. In zone-2 PAC-70004 ranked on the top with % yield reduction of 4.3%, followed by KH-510 (7.07%), a best check. Entry X-2003 was top-ranking entry in zone-3 with 8.75% yield loss under water logging stress, followed by HKH-1191 (12.4%) and KH-510 (13.6%), performed as best check. In case of early maturity group 5 entries were tested in zone-2, among which PEHM-2 performed best, used as check. In extra early maturity a total 3 entries were evaluated, and SEEDTEC-1205 ranked above both checks used with % yield loss of 62.8% under waterlogging. In AET-2 trials total 40 entries were tested for waterlogging tolerance, including 10-FS, 16-M, 6-E and 8-EE. In full-season Ganga-11 (check) ranked on top with 9.5% yield loss, followed by BH-1434 (23.9%) in zone-2, and NECH.-105 was top ranking entry in zone-3, followed by PRO-311. Under medium maturity in zone-2 group KH-510 used as check was top ranking with 1.42 % yield loss due to stress conditions, followed by HKH-1171 (8.38%). In zone-3, none of the entry yielded above best check Deccan-105. In early maturity group variety Megha was top ranking entry with 18.7% yield loss, followed by PEHM-2 (45.9%) in zone-2. In case of extra early maturity, HIM-129 was top ranking entry (26.5%) in zone-2 and BAU-(FS) V1 (37.3%) was the best entry in zone-3.

A-1

Table1 Relative performance of pre release germplasm of Full Maturity at different levels of nitrogen during kharif 2002 at JORHAT

N Level	Germplasm	Grain Yield (kg/ha)	Plant Stand (th/ha)	NO. Of Cobs (th/ha)	Days to 50%Silking	Plant HT (cm)	BarrenPlants (th/ha)
N60	BH - 1015 (RETESTING)	3851.7	69.17	68.17	50.0	180.5	7.667
	NECH -105	3498.3	70.67	69.17	50.5	182.5	7.333
	GANAG - 11	3748.3	69.33	69.00	51.0	183.5	7.333
	PRO - 311	3511.7	71.33	68.33	50.5	180.5	7.167
N120	BH - 1015 (RETESTING)	4541.7	70.67	70.50	51.3	185.3	7.167
	NECH -15	4900.0	69.00	73.33	51.0	187.3	5.333
	GANAG - 11	5256.7	68.67	75.00	51.3	188.3	5.167
	PRO - 311	4358.3	69.83	70.50	50.8	184.0	7.000
N180	BH - 1015 (RETESTING)	4675.0	70.33	71.17	51.3	185.5	7.833
	NECH -15	5435.0	70.17	75.83	51.5	187.0	4.833
	GANAG - 11	5511.7	70.67	78.33	51.8	189.3	5.333
	PRO - 311	4750.0	69.00	71.50	51.3	185.5	7.167
Location Mean		4503.2	69.90	71.74	51.0	184.9	6.611
C.D.(5%) AiBj-AiBk		170.4	3.33	2.05	1.3	1.7	1.707
C.D.(5%) AiBk-AjBk		195.1	3.21	2.24	1.2	2.0	2.106
F(5%)		s	n.s.	s	n.s.	n.s.	n.s.
N 60		3652.5	70.13	68.67	50.5	181.8	7.375
N 120		4764.2	69.54	72.33	51.1	186.2	6.167
N 180		5092.9	70.04	74.21	51.4	186.8	6.292
C.D.(5%) Ai-Aj		128.7	1.43	1.38	0.6	1.4	1.512
C.V.(%) Error A		3.3	2.36	2.22	1.4	0.9	26.427
F(5%)		s	n.s.	s	s	s	n.s.
BH - 1015 (RETESTING)		4356.1	70.06	69.94	50.8	183.8	7.556
NECH -105		4611.1	69.94	72.78	51.0	185.6	5.833
GANAG - 11		4838.9	69.56	74.11	51.3	187.0	5.944
PRO - 311		4206.7	70.06	70.11	50.8	183.3	7.111
C.D.(5%) Bi-Bj		98.4	1.92	1.18	0.7	1.0	0.986
C.V.(%) Error B		2.6	3.28	1.97	1.7	0.6	17.800
F(5%)		s	n.s.	s	n.s.	s	s

A-2

Table2 Relative performance of pre release germplasm of Full Maturity at different levels of nitrogen during kharif 2002 in Zone II

		Grain Yield (kg/ha)				Plant Stand('000/ha)				Days to 50% Silking		
N - Level	Germplasm	Delhi	Karnal	Kan.	Ludh	Delhi	Karnal	Kan.	Ludh	Karnal	Kan.	Ludh
N 60	BH -1620	1288.9	4670.0	3534.4	3866.7	66.2	55.0	53.3	65.3	52.7	63.0	54.7
	BH - 1434	1155.6	5334.4	3601.4	4891.7	66.7	55.3	59.2	66.1	56.3	62.0	58.0
	NECH - 105	1422.2	4866.9	3547.2	4941.7	66.2	54.0	53.9	64.4	52.3	64.7	57.3
	GANGA - 11	755.6	3434.5	3540.3	3875.0	66.7	55.7	52.2	65.8	56.3	62.0	57.3
	PRO - 311	888.9	4701.3	3664.4	3466.7	66.7	53.3	53.3	65.8	52.7	63.3	57.0
N 120	BH -1620	2000.0	6391.4	3761.4	4511.1	66.7	55.7	58.1	68.6	53.7	63.3	53.7
	BH - 1434	1866.7	6414.6	3975.3	6297.2	66.7	58.0	60.3	64.7	57.3	65.0	56.7
	NECH - 105	2088.9	6126.7	3879.7	5772.2	66.7	58.3	57.8	65.3	52.7	63.7	57.0
	GANGA - 11	1466.7	4181.8	3943.3	4302.8	66.2	57.7	56.4	65.6	57.3	65.3	56.0
	PRO - 311	1600.0	4778.5	4100.8	4847.2	66.7	55.0	55.0	64.7	53.7	65.0	56.3
N 180	BH -1620	2266.7	7318.3	3996.7	4627.8	66.7	59.7	53.1	63.9	54.7	64.7	53.0
	BH - 1434	2133.3	6717.5	3898.3	6852.8	66.7	60.3	52.5	64.2	57.7	65.3	55.3
	NECH - 105	3600.0	6968.9	3953.1	6761.1	66.7	61.3	54.4	65.3	53.7	67.0	55.0
	GANGA - 11	1733.3	5883.4	3919.4	4719.4	66.2	59.0	54.7	63.1	58.3	68.0	54.3
	PRO - 311	2133.3	5658.8	4352.8	5697.2	66.2	59.0	53.9	65.0	54.7	67.0	55.3
Location Mean		1760.0	5552.6	3844.6	5028.7	66.5	57.2	55.2	65.2	54.9	64.6	55.6
C.D.(5%) AiBj-AiBk		261.6	298.8	440.9	737.3	0.8	2.4	3.4	4.8	1.1	3.5	1.4
C.D.(5%) AiBk-AjBk		333.7	327.9	460.6	742.1	0.8	2.5	3.7	4.8	1.0	4.1	1.7
F(5%)		s	s	n.s.	n.s.	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.
N 60		1102.2	4595.4	3577.6	4208.3	66.5	54.7	54.4	65.5	54.1	63.0	56.9
N 120		1804.4	5578.2	3932.1	5146.1	66.6	56.9	57.5	65.8	54.9	64.5	55.9
N 180		2373.3	6511.5	4024.1	5731.7	66.5	59.9	53.7	64.3	55.8	66.4	54.6
C.D.(5%) Ai-Aj		243.0	195.1	282.1	350.5	0.3	1.3	2.2	2.2	0.4	2.7	1.2
C.V.(%) Error A		13.6	3.5	7.2	6.9	0.5	2.3	4.0	3.3	0.7	4.2	2.1
F(5%)		s	s	s	s	n.s.	s	s	n.s.	s	n.s.	s
BH -1620		1851.9	6113.1	3764.2	4335.2	66.5	56.8	54.8	65.9	53.7	63.7	53.8
BH - 1434		1718.5	6158.2	3825.0	6013.9	66.7	57.9	57.3	65.0	57.1	64.1	56.7
NECH - 105		2370.4	5982.8	3793.3	5825.0	66.5	57.9	55.4	65.0	52.9	65.1	56.4
GANGA - 11		1318.5	4455.8	3801.0	4299.1	66.4	57.4	54.4	64.8	57.3	65.1	55.9
PRO - 311		1540.7	5044.8	4039.4	4670.4	66.5	55.8	54.1	65.2	53.7	65.1	56.2
C.D.(5%) Bi-Bj		151.0	172.5	254.5	425.7	0.5	1.4	1.9	2.8	0.6	2.0	0.8
C.V.(%) Error B		8.8	3.2	6.8	8.7	0.7	2.5	3.6	4.4	1.1	3.2	1.5
F(5%)		s	s	n.s.	s	n.s.	s	s	n.s.	s	n.s.	s

A-3

Table3 Relative performance of pre release germplasm of Full Maturity at different levels of nitrogen during kharif 2002 in Zone III

		Grain Yield (kg/ha)		Plant Stand('000/ha)		Days to 50% Silking	
N - Level	Germplasm	Baharaich	Jashipur	Baharaich	Jashipur	Baharaich	Jashipur
N40	D - 994	2881.94	2530.0	76.39	62.7	53	43.67
	D - 995	2145.63	2340.0	67.36	65.1	51	42.67
	HIM - 129	3173.61	2160.0	77.08	62.7	53	40.67
	SURYA	2361.11	2316.7	68.8	62.97	55.0	43.00
	BAU (FS) V1	2548.61	2853.3	68.1	64.03	55.0	45.00
N100	D - 994	4395.83	3810.0	74.3	63.5	52.0	42.33
	D - 995	4013.89	3553.3	66.7	64.03	51.0	42.33
	HIM - 129	4750.00	3433.3	73.6	64.63	50.0	39.67
	SURYA	4020.83	3406.7	66.0	65.1	51.0	41.33
	BAU (FS) V1	4111.11	3850.0	70.1	64.3	51.0	43.33
N160	D - 994	5041.67	3920.0	73.6	65.1	51.0	42.00
	D - 995	4756.94	3740.0	67.4	64.83	54.0	41.33
	HIM - 129	5611.11	3326.7	75.7	63.77	51.0	38.33
	SURYA	4798.61	3546.7	68.1	62.70	51.0	41.33
	BAU (FS) V1	4770.83	4190.0	70.1	64.57	54.0	43.00
Location Mean		3958.80	3265.1	70.9	64.05	52.2	42
C.D.(5%) AiBj-AiBk		339.63	330.9	2.4	2.71	1.5	2.232911
C.D.(5%) AiBk-AjBk		335.39	389.3	2.4	2.73	1.4	2.409775
F(5%)		n.s.	n.s.	n.s.	n.s.	s	n.s.
N 40		2622.22	2440.0	71.5	63.5	53.4	43
N 100		4258.33	3610.7	70.1	64.35333	51.0	41.8
N 160		4995.83	3744.7	71.0	64.19333	52.2	41.2
C.D.(5%) Ai-Aj		146.49	259.0	1.1	1.296348	0.5	1.384912
C.V.(%) Error A		3.65	7.8	1.6	1.997778	0.9	3.253
F(5%)		s	s	n.s.	n.s.	s	n.s.
D - 994		4106.48	3420.0	74.8	63.76667	52.0	42.66667
D - 995		3638.89	3211.1	67.1	64.65556	52.0	42.11111
HIM - 129		4511.57	2973.3	75.5	63.76667	51.3	39.55556
SURYA		3726.85	3090.0	67.6	63.58889	52.3	41.88889
BAU (FS) V1		3810.19	3631.1	69.4	64.3	53.3	43.77778
C.D.(5%) Bi-Bj		196.09	191.0	1.4	1.563239	0.9	1.289172
C.V.(%) Error B		5.09	6.0	2.0	2.509785	1.7	3.1547
F(5%)		s	s	s	n.s.	s	s

A-4

N - Level	Germplasm	Plant Height(cm) Baharaich	Jashipur	No. of Ears('000/ha) Baharaich	Jashipur
N40	D - 994	160.0	154.4333	77.78	27.27
	D - 995	151.7	163.50	69.44	27.27
	HIM - 129	160.7	137.93	77.78	26.47
	SURYA	170.0	161.50	70.14	28.07
	BAU (FS) V1	175.0	174.00	69.44	31.70
N100	D - 994	168.3	161.03	75.69	32.50
	D - 995	156.7	148.47	68.06	31.20
	HIM - 129	185.0	147.30	75.69	31.47
	SURYA	181.7	161.97	68.06	31.70
	BAU (FS) V1	185.0	186.37	72.22	33.83
N160	D - 994	193.3	159.63	75.69	33.83
	D - 995	180.0	160.53	68.75	32.77
	HIM - 129	201.7	149.93	77.08	32.50
	SURYA	201.7	166.27	67.36	33.30
	BAU (FS) V1	198.3	184.10	71.53	35.17
Location Mean		177.9	161.13	72.31	31.26
C.D.(5%) AiBj-AiBk		11.9	12.83	2.41	2.49
C.D.(5%) AiBk-AjBk		11.4	14.45	2.80	2.93
F(5%)		n.s.	n.s.	n.s.	n.s.
N 40		163.3	158.2733	72.92	28.15333
N 100		175.3	161.0267	71.94	32.14
N 160		195.0	164.0933	72.08	33.51333
C.D.(5%) Ai-Aj		4.3	9.003501	1.84	1.960018
C.V.(%) Error A		2.4	5.512431	2.50	6.183848
F(5%)	s	n.s.	n.s.	s	
D - 994		173.9	158.3667	76.39	31.2
D - 995		162.8	157.5	68.75	30.41111
HIM - 129		182.2	145.0556	76.85	30.14444
SURYA		184.4	163.2444	68.52	31.02222
BAU (FS) V1		186.1	181.4889	71.06	33.56667
C.D.(5%) Bi-Bj		6.8	7.412187	1.39	1.438361
C.V.(%) Error B		4.0	4.727848	1.98	4.727722
F(5%)	s	s	s	s	

Table 4 Relative performance of pre release germplasm of Full Maturity at different levels of nitrogen during kharif 2002 in Zone IV

		Grain Yield (kg/ha)		Plant Stand('000/ha)		No. of Ears('000/ha)	
N - Level	Germplasm	Karimnagar	Kolhapur	Karimnagar	Kolhapur	Karimnagar	Kolhapur
N 60	NECH - 105	2814.8	5926.7	46.53	51.33	37.90	50.67
	F - 8007	3791.4	5457.8	42.97	50.67	41.48	50.22
	GANGA -11	1608.5	4364.4	39.64	52.00	26.38	51.33
	PRO - 311	3044.6	4228.9	47.33	52.22	38.83	51.33
N 120	NECH - 105	4021.1	6431.1	49.63	51.33	43.89	50.89
	F - 8007	3791.4	6400.0	45.64	52.00	37.57	51.11
	GANGA -11	2297.8	4631.1	41.36	52.22	33.55	51.78
	PRO - 311	3561.6	6333.3	47.68	51.33	43.43	51.33
N 180	NECH - 105	4136.0	7035.6	49.63	50.44	41.02	50.67
	F - 8007	4423.3	7093.3	46.53	51.78	39.75	51.11
	GANGA -11	3963.7	5357.8	43.77	51.11	39.06	51.11
	PRO - 311	4021.1	6760.0	46.07	51.56	43.77	51.11
Location Mean		3456.3	5835.0	45.58	51.50	39.04	51.06
C.D.(5%) AiBj-AiBk		1425.8	874.1	7.12	1.36	9.36	1.26
C.D.(5%) AiBk-AjBk		2075.1	861.6	7.84	1.25	9.24	1.17
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		2814.8	4994.4	44.12	51.56	36.62	50.89
N 120		3418.0	5948.9	46.13	51.72	39.61	51.28
N 180		4136.0	6561.7	46.50	51.22	40.90	51.00
C.D.(5%) Ai-Aj		1677.3	422.2	4.89	0.44	4.50	0.44
C.V.(%) Error A		56.1	6.4	12.39	0.75	13.31	0.75
F(5%)		n.s.	s	n.s.	n.s.	n.s.	n.s.
NECH - 105		3657.3	6464.4	48.60	51.04	40.90	50.74
F - 8007		4002.0	6317.0	45.11	51.48	39.60	50.81
GANGA -11		2623.3	4784.4	41.59	51.78	33.66	51.41
PRO - 311		3542.4	5774.1	47.03	51.70	42.01	51.26
C.D.(5%) Bi-Bj		823.2	504.6	4.11	0.79	5.40	0.73
C.V.(%) Error B		28.4	8.7	10.77	1.54	16.52	1.44
F(5%)		s	s	s	n.s.	s	n.s.

N - Level	Germplasm	Plant HT(cm) Karimnagar	Kolhapur	Kolhapur Days to 50% Silking
N 60	NECH - 105	157.3	113.8	43.6
	F - 8007	137.8	108.7	44.2
	GANGA -11	145.0	117.1	43.8
	PRO - 311	154.5	112.4	41.1
N 120	NECH - 105	164.8	114.7	44.0
	F - 8007	149.5	110.7	42.7
	GANGA -11	158.8	124.9	43.1
	PRO - 311	158.8	112.7	41.6
N 180	NECH - 105	174.3	115.6	44.0
	F - 8007	156.3	114.7	42.2
	GANGA -11	177.5	124.7	43.3
	PRO - 311	160.0	118.7	41.1
Location Mean		157.9	115.7	42.9
C.D.(5%) AiBj-AiBk		14.9	6.4	1.4
C.D.(5%) AiBk-AjBk		16.0	6.8	1.3
F(5%)		n.s.	n.s.	n.s.
N 60		148.6	113.0	43.2
N 120		157.9	115.7	42.8
N 180		167.0	118.4	42.7
C.D.(5%) Ai-Aj		9.5	4.1	0.5
C.V.(%) Error A		7.0	3.1	1.1
F(5%)		s	n.s.	n.s.
NECH - 105		165.4	114.7	43.9
F - 8007		147.8	111.3	43.0
GANGA -11		160.4	122.2	43.4
PRO - 311		157.8	114.6	41.3
C.D.(5%) Bi-Bj		8.6	3.7	0.8
C.V.(%) Error B		6.5	3.2	1.9
F(5%)		s	s	s

Table 5 Relative performance of pre release germplasm of Full Maturity at different levels of nitrogen during kharif 2002 in Zone V

N - Level	Germplasm	Grain Yield (kg/ha) Banswara	Godhra	Udaipur	Plant Stand('000/ha) Banswara	Godhra	Udaipur
N60	NECH - 105	2574.0	2081.3	3303.3	58.41	58.51	62.17
	NECH - 109	2427.3	2383.0	2410.0	58.14	55.38	62.67
	GANGA - 11	1368.3	1748.8	1695.0	55.35	59.03	62.50
	PRO - 311	2095.7	2191.0	3395.0	56.52	61.46	62.50
N120	NECH - 105	3818.0	2742.7	3810.0	60.58	61.63	63.17
	NECH - 109	3558.3	2940.3	2905.0	59.61	60.42	61.50
	GANGA - 11	2296.3	2282.8	2201.7	58.33	61.81	62.00
	PRO - 311	3262.0	2698.1	4006.7	59.43	61.46	63.33
N180	NECH - 105	3744.0	3401.7	4006.7	60.30	64.93	63.50
	NECH - 109	3389.3	3106.7	3105.0	58.81	59.20	62.00
	GANGA - 11	2273.3	2808.2	2308.3	57.68	62.33	62.67
	PRO - 311	3226.3	2945.7	4203.3	58.64	60.07	63.33
Location Mean		2836.1	2611.0	3112.5	58.48	60.62	62.61
C.D.(5%) AiBj-AiBk		342.2	345.0	269.4	4.11	6.52	4.48
C.D.(5%) AiBk-AjBk		409.4	314.2	457.3	4.04	5.92	6.00
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		2116.3	2101.0	2700.8	57.11	58.59	62.46
N 120		3233.7	2666.0	3230.8	59.49	61.33	62.50
N 180		3158.3	3066.1	3405.8	58.86	61.63	62.88
C.D.(5%) Ai-Aj		288.0	98.5	395.1	1.97	1.80	4.62
C.V.(%) Error A		9.0	4.4	14.7	2.97	3.43	8.52
F(5%)		s	s	s	n.s.	s	n.s.
NECH - 105		3378.7	2741.9	3706.7	59.76	61.69	62.94
NECH - 109		3125.0	2810.6	2806.7	58.85	58.33	62.06
GANGA - 11		1979.3	2279.9	2068.3	57.12	61.05	62.39
PRO - 311		2861.3	2611.6	3868.3	58.20	61.00	63.06
C.D.(5%) Bi-Bj		197.6	199.2	155.5	2.37	3.77	2.58
C.V.(%) Error B		7.0	9.1	6.0	4.10	7.43	4.93
F(5%)		s	s	s	n.s.	n.s.	n.s.

A-8

N - Level	Germplasm	No. of Ears('000/ha) Banswara	Godhra	Udaipur	Plant HT(cm) Banswara	Godhra	Udaipur
N60	NECH - 105	57.99	40.28	63.50	194.3	198.5	56.0
	NECH - 109	57.09	40.80	62.00	192.9	209.0	56.0
	GANGA - 11	48.23	39.24	60.50	176.1	200.0	58.0
	PRO - 311	54.75	40.97	65.00	185.2	174.3	58.0
N120	NECH - 105	62.51	42.71	64.17	201.6	200.3	55.0
	NECH - 109	61.49	46.88	61.00	199.0	211.5	55.0
	GANGA - 11	52.24	40.63	60.33	181.3	206.5	57.0
	PRO - 311	57.40	41.84	64.83	194.5	181.0	57.0
N180	NECH - 105	61.68	48.44	64.67	199.2	201.3	54.0
	NECH - 109	60.68	48.26	61.50	195.9	215.3	54.0
	GANGA - 11	50.13	43.58	60.83	181.4	209.5	56.0
	PRO - 311	56.99	42.71	65.33	193.9	184.3	56.5
Location Mean		56.76	43.03	62.81	191.3	199.3	56.0
C.D.(5%) AiBj-AiBk		2.87	4.38	4.40	2.6	8.3	1.6
C.D.(5%) AiBk-AjBk		3.19	6.38	5.92	2.7	8.3	7.1
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		54.52	40.32	62.75	187.1	195.4	57.0
N 120		58.41	43.01	62.58	194.1	199.8	56.0
N 180		57.37	45.75	63.08	192.6	202.6	55.1
C.D.(5%) Ai-Aj		2.04	5.15	4.55	1.5	4.2	7.0
C.V.(%) Error A		3.18	13.85	8.38	0.7	2.4	14.5
F(5%)		s	n.s.	n.s.	s	s	n.s.
NECH - 105		60.73	43.81	64.11	198.4	200.0	55.0
NECH - 109		59.75	45.31	61.50	196.0	211.9	55.0
GANGA - 11		50.20	41.15	60.56	179.6	205.3	57.0
PRO - 311		56.38	41.84	65.06	191.2	179.8	57.2
C.D.(5%) Bi-Bj		1.66	2.53	2.54	1.5	4.8	0.9
C.V.(%) Error B		2.95	7.01	4.83	0.8	2.9	2.0
F(5%)		s	s	s	s	s	s

A-9

N - Level	Germplasm	Days to 50% silking Banswara	Godhra	Udaipur	Godhra Fodder Yield (kg/ha)	Cob Length (cm)	Udaipur Cob Girth (cm)	Barren %	PFSR affected plant
N60	NECH - 105	57.3	62.3	223.8	3107.6	16.6	12.9	0.0	0.0
	NECH - 109	58.0	60.3	241.5	3541.7	16.9	13.2	0.8	2.3
	GANGA - 11	55.7	60.5	236.0	2604.2	16.5	12.9	1.8	1.8
	PRO - 311	56.7	64.5	222.0	3246.5	16.2	13.8	0.0	0.0
N120	NECH - 105	56.3	63.8	227.8	4149.3	17.8	13.7	0.0	0.0
	NECH - 109	56.7	61.8	242.8	4409.7	17.8	13.6	1.0	1.8
	GANGA - 11	55.3	61.5	243.8	3451.4	16.8	13.0	1.5	3.0
	PRO - 311	55.7	65.3	224.0	4045.1	16.3	14.3	0.0	0.0
N180	NECH - 105	55.7	64.5	230.8	5399.3	17.9	14.1	0.0	0.0
	NECH - 109	56.0	63.0	243.8	4947.9	18.2	14.1	1.0	2.3
	GANGA - 11	55.0	62.5	237.0	4479.2	17.0	13.5	1.5	3.3
	PRO - 311	55.3	65.3	224.5	4739.6	16.8	14.8	0.0	0.0
Location Mean		56.1	62.9	233.1	4010.1	17.0	13.6	0.6	1.2
C.D.(5%) AiBj-AiBk		1.3	1.3	21.4	512.3	1.7	1.2	0.5	0.6
C.D.(5%) AiBk-AjBk		1.3	1.4	55.7	466.1	1.7	1.4	0.6	0.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	s
N 60		56.9	61.9	230.8	3125.0	16.5	13.2	0.6	1.0
N 120		56.0	63.1	234.6	4013.9	17.1	13.6	0.6	1.2
N 180		55.5	63.8	234.0	4891.5	17.5	14.1	0.6	1.4
C.D.(5%) Ai-Aj		0.6	0.8	52.6	144.6	1.0	1.0	0.4	0.3
C.V.(%) Error A		1.0	1.4	26.1	4.2	6.7	8.2	65.3	32.2
F(5%)		s	s	n.s.	s	n.s.	n.s.	n.s.	n.s.
NECH - 105		56.4	63.5	227.4	4218.8	17.4	13.6	0.0	0.0
NECH - 109		56.9	61.7	242.7	4299.8	17.6	13.6	0.9	2.1
GANGA - 11		55.3	61.5	238.9	3511.6	16.8	13.1	1.6	2.7
PRO - 311		55.9	65.0	223.5	4010.4	16.4	14.3	0.0	0.0
C.D.(5%) Bi-Bj		0.8	0.8	12.3	295.8	1.0	0.7	0.3	0.4
C.V.(%) Error B		1.3	1.4	6.3	6.6	6.6	6.0	59.6	37.4
F(5%)		s	s	s	s	n.s.	s	s	s

TABLE 6 Relative performance of pre release germplasm of Medium Maturity at different levels of nitrogen during kharif 2002 in Zone I

JORHAT

Main Plot	Sub Plot	Grain Yield (kg/ha)	Plant Stand (th/ha)	NO. Of Cobs (th/ha)	Days to 50%Silking	Plant HT (cm)	No. of Barren Plants (th/ha)
N60	BIO - 81009	3553.3	72.67	66.50	54.8	185.8	6.333
	BIO - 81096	3506.7	70.50	63.67	54.5	182.5	7.667
	DECCAN - 107	3376.7	70.33	63.17	54.8	182.3	7.667
	NAVJOT	3270.0	71.17	61.83	55.0	181.8	7.833
N120	BIO - 81009	4478.3	72.83	70.83	55.8	187.5	5.167
	BIO - 81096	4353.3	72.50	72.17	55.3	186.3	5.833
	DECCAN - 107	3928.3	71.17	71.50	55.0	184.0	5.333
	NAVJOT	3986.7	72.00	71.17	54.5	185.0	5.167
N 180	BIO - 81009	4660.0	71.67	72.17	55.8	189.3	4.167
	BIO - 81096	4568.3	71.50	70.67	55.3	188.0	4.333
	DECCAN - 107	4080.0	71.17	70.50	55.3	184.5	4.667
	NAVJOT	4058.3	72.17	72.33	54.8	186.5	3.667
Location Mean		3985.0	71.64	68.88	55.0	185.3	5.653
C.D.(5%) AiBj-AiBk		148.1	1.83	1.64	1.0	1.9	1.180
C.D.(5%) AiBk-AjBk		157.5	2.00	1.65	1.1	1.8	1.499
F(5%)		s	n.s.	s	n.s.	n.s.	n.s.
N 60		3426.7	71.17	63.79	54.8	183.1	7.375
N 120		4186.7	72.13	71.42	55.1	185.7	5.375
N 180		4341.7	71.63	71.42	55.3	187.1	4.208
C.D.(5%) Ai-Aj		92.4	1.23	0.86	0.7	0.7	1.104
C.V.(%) Error A		2.7	1.99	1.44	1.5	0.5	22.583
F(5%)		s	n.s.	s	n.s.	s	s
BIO - 81009		4230.6	72.39	69.83	55.4	187.5	5.222
BIO - 81096		4142.8	71.50	68.83	55.0	185.6	5.944
DECCAN - 107		3795.0	70.89	68.39	55.0	183.6	5.889
NAVJOT		3771.7	71.78	68.44	54.8	184.4	5.556
C.D.(5%) Bi-Bj		85.5	1.05	0.95	0.6	1.1	0.681
C.V.(%) Error B		2.6	1.76	1.64	1.3	0.7	14.388
F(5%)		s	n.s.	s	n.s.	s	n.s.

A-11

TABLE 6A Relative performance of pre release germplasm of Medium Maturity at different levels of nitrogen during kharif 2002 in Zone II

		Grain Yield (kg/ha)			Plant Stand('000/ha)		
N - Level	Germplasm	Karnal		Ludh	Karnal	Kanpur	Ludh
N-60	HKH-1170	4236.364	3179.7	2727.8	52.0	55.3	61.39
	HKH-1171	4339.623	3679.4	2325.0	51.3	54.7	60.56
	X- 46172	3911.475	3621.4	3094.4	55.3	54.2	65.83
	BIO- 91116	3506.667	3334.2	2827.8	54.0	55.0	61.67
	DECCAN-107	3119.298	2830.6	2138.9	54.7	55.3	62.78
	NAVJOT	2639.344	2718.9	2472.8	53.7	56.7	60.83
N-120	HKH-1170	7297.71	3639.7	3913.9	51.0	59.2	63.33
	HKH-1171	6887.273	3997.5	3172.2	52.0	58.9	64.44
	X- 46172	6711.409	3898.6	3841.7	54.0	58.1	67.22
	BIO- 91116	6055.172	3415.6	3738.9	52.7	60.0	63.61
	DECCAN-107	4975.61	3269.4	2291.7	52.0	60.0	62.22
	NAVJOT	4661.871	3154.4	2972.2	53.3	60.0	58.06
N-180	HKH-1170	8177.358	3770.0	3677.8	52.0	57.8	67.78
	HKH-1171	7883.636	4143.3	3591.7	52.3	59.4	65.83
	X- 46172	7284.261	4041.4	3677.8	54.3	60.6	61.11
	BIO- 91116	6583.039	3766.9	4038.9	54.0	60.8	60.28
	DECCAN-107	5875	3506.1	2900.0	53.0	59.7	66.67
	NAVJOT	5505.415	3598.1	3169.4	55.0	58.1	57.22
Location Mean		5502.743	3531.4	3142.9	53.1	58.0	62.82
C.D.(5%) AiBj-AiBk		282.6311	602.5	556.1	2.0	2.9	5.93
C.D.(5%) AiBk-AjBk		294.802	765.5	713.4	2.4	5.0	6.58
F(5%)		s	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		3604.611	3227.4	2597.8	53.5	55.2	62.18
N 120		6086.391	3562.5	3321.8	52.5	59.4	63.15
N 180		6876.712	3804.3	3509.3	53.4	59.4	63.15

C.D.(5%) Ai-Aj	147.062	545.0	512.9	1.7	4.3	3.85
C.V.(%) Error A	3.055668	16.7	17.6	3.4	8.0	6.63
F(5%)	s	n.s.	s	n.s.	n.s.	n.s.

HKH-1170	6538.653	3529.8	3439.8	51.7		64.17
HKH-1171	6395.092	3940.1	3029.6	51.9		63.61
X- 46172	5954.545	3853.8	3538.0	54.6		64.72
BIO- 91116	5350.515	3505.6	3535.2	53.6		61.85
DECCAN-107	4650.235	3202.0	2443.5	53.2		63.89
NAVJOT	4216.279	3157.1	2871.5	54.0		58.70

C.D.(5%) Bi-Bj	163.1771	347.9	321.1	1.2	3.42
C.V.(%) Error B	3.25922	10.2	10.6	2.3	5.66
F(5%)	s	s	s	s	s

N - Level	Germplasm	Days to 50% Silking Karnal	Kanpur	Ludh
N-60	HKH-1170	51.3	57.7	54.0
	HKH-1171	51.3	59.3	53.3
	X- 46172	52.7	56.0	54.0
	BIO- 91116	51.7	57.7	54.3
	DECCAN-107	51.7	58.3	55.3
	NAVJOT	51.7	61.0	53.0
N-120	HKH-1170	52.3	57.3	53.0
	HKH-1171	52.3	58.3	52.3
	X- 46172	53.7	57.0	53.3
	BIO- 91116	52.3	57.0	52.7
	DECCAN-107	52.3	56.7	54.0
	NAVJOT	52.3	57.3	51.7
N-180	HKH-1170	52.3	61.0	52.0
	HKH-1171	52.3	63.0	51.3
	X- 46172	53.7	60.3	52.7
	BIO- 91116	52.3	61.0	52.3
	DECCAN-107	52.3	64.0	53.3
	NAVJOT	52.3	65.7	51.3
Location Mean		52.3	59.4	53.0
C.D.(5%) AiBj-AiBk		1.0	3.9	1.0
C.D.(5%) AiBk-AjBk		1.0	4.3	1.0
F(5%)		n.s.	n.s.	n.s.
N 60		51.7	58.3	54.0
N 120		52.6	57.3	52.8
N 180		52.6	62.5	52.2
C.D.(5%) Ai-Aj		0.4	2.5	0.4
C.V.(%) Error A		0.9	4.5	0.9
F(5%)		s	s	s
HKH-1170		52.0	58.67	53.0
HKH-1171		52.0	60.22	52.3
X- 46172		53.3	57.78	53.3
BIO- 91116		52.1	58.56	53.1
DECCAN-107		52.1	59.67	54.2
NAVJOT		52.1	61.33	52.0
C.D.(5%) Bi-Bj		0.6	2.27	0.6
C.V.(%) Error B		1.2	3.97	1.1
F(5%)		s	s	s

A-13

N - Level	Germplasm	Plant HT (cm) Kanpur	Plant HT (cm) Ludh	No. of Ears ('000/ha) Kanpur	No. of Ears ('000/ha) Ludh
N-60	HKH-1170	140.7	151.7	54.2	63.06
	HKH-1171	146.0	146.7	53.6	61.94
	X- 46172	140.3	156.7	52.8	67.50
	BIO- 91116	142.3	156.7	53.3	59.72
	DECCAN-107	139.7	155.0	54.2	63.89
	NAVJOT	143.7	153.3	55.3	57.78
N-120	HKH-1170	139.0	163.3	57.8	62.50
	HKH-1171	137.0	161.7	58.1	65.83
	X- 46172	139.3	168.3	56.4	66.39
	BIO- 91116	136.0	170.0	58.3	63.89
	DECCAN-107	138.0	171.7	57.8	59.44
	NAVJOT	140.3	165.0	58.3	57.50
N-180	HKH-1170	142.3	178.3	56.4	64.44
	HKH-1171	145.3	173.3	57.50	65.56
	X- 46172	139.7	178.3	59.17	63.61
	BIO- 91116	140.0	183.3	58.89	62.22
	DECCAN-107	138.3	178.3	58.06	66.94
	NAVJOT	144.0	175.0	55.83	58.61
Location Mean		140.7	165.9	56.44	62.82
C.D.(5%) AiBj-AiBk		7.5	9.6	3.00	5.92
C.D.(5%) AiBk-AjBk		8.4	9.2	5.12	6.44
F(5%)		n.s.	n.s.	n.s.	n.s.
N 60		142.1	153.3	53.89	62.31
N 120		138.3	166.7	57.78	62.59
N 180		141.6	177.8	57.64	63.56
C.D.(5%) Ai-Aj		5.1	2.9	4.39	3.59
C.V.(%) Error A		3.9	1.9	8.41	6.18
F(5%)		n.s.	s	n.s.	n.s.
HKH-1170		140.7	164.4	56.11	63.33
HKH-1171		142.8	160.6	56.39	64.44
X- 46172		139.8	167.8	56.11	65.83
BIO- 91116		139.4	170.0	56.85	61.94
DECCAN-107		138.7	168.3	56.67	63.43
NAVJOT		142.67	164.4	56.48	57.96
C.D.(5%) Bi-Bj		4.31	5.5	1.73	3.42
C.V.(%) Error B		3.18	3.5	3.19	5.65
F(5%)		n.s.	s	n.s.	s

A-14

TABLE 7 Relative performance of pre release germplasm of Medium Maturity at different levels of nitrogen during kharif 2002 in Zone III

N - Level	Germplasm	Grain Yield (kg/ha) Baharaich	Grain Yield (kg/ha) Jashipur	Plant Stand('000/ha) Baharaich	Plant Stand('000/ha) Jashipur
N40	JKMH-168	2659.7	3366.7	75.00	64.27
	BIO- 81009	2166.7	3490.0	69.44	61.90
	BIO- 81096	2458.3	3430.0	75.69	64.27
	X - 46172	2368.1	3586.7	72.22	62.97
	BIO - 91116	2555.6	3373.3	77.08	63.73
	PRO - 345	2166.7	3516.7	73.61	62.43
	DECCAN - 107	2256.9	3226.7	75.69	62.43
	NAVJOT	2277.8	3230.0	72.92	64.80
N100	JKMH-168	3881.9	4213.3	77.08	63.73
	BIO- 81009	2923.6	4330.0	72.92	63.20
	BIO- 81096	3041.7	4316.7	68.75	62.97
	X - 46172	2951.4	4336.7	72.22	64.53
	BIO - 91116	3812.5	4153.3	76.39	63.73
	PRO - 345	3027.8	4356.7	70.83	62.97
	DECCAN - 107	3111.1	3843.3	65.97	62.93
	NAVJOT	3180.6	3993.3	68.75	64.03
N160	JKMH-168	4215.3	4163.3	77.78	64.03
	BIO- 81009	3805.6	4440.0	64.58	64.80
	BIO- 81096	3979.2	4240.0	70.14	62.70
	X - 46172	4006.9	4633.3	71.53	62.93
	BIO - 91116	4326.4	4236.7	76.39	62.43
	PRO - 345	3854.2	4570.0	65.97	63.23
	DECCAN - 107	3833.3	3936.7	67.36	62.70
	NAVJOT	3798.6	4010.0	70.14	63.47
Location Mean		3194.2	3958.1	72.02	63.38
C.D.(5%) AiBj-AiBk		398.1	159.4	3.33	2.68
C.D.(5%) AiBk-AjBk		412.5	211.3	3.23	2.77
F(5%)		n.s.	s	s	n.s.
N 40		2363.7	3402.5	73.96	63.35
N 100		3241.3	4192.9	71.61	63.51
N 160		3977.4	4278.8	70.49	63.29
C.D.(5%) Ai-Aj		183.5	153.4	0.89	1.22
C.V.(%) Error A		7.2	4.8	1.54	2.40
F(5%)		s	s	s	n.s.

A-15

JKMH-168	3585.6	3914.4	76.62	64.01
BIO- 81009	2965.3	4086.7	68.98	63.30
BIO- 81096	3159.7	3995.6	71.53	63.31
X - 46172	3108.8	4185.6	71.99	63.48
BIO - 91116	3564.8	3921.1	76.62	63.30
PRO - 345	3016.2	4147.8	70.14	62.86
DECCAN - 107	3067.1	3668.9	69.68	62.69
NAVJOT	3085.6	3744.4	70.60	64.10
C.D.(5%) Bi-Bj	229.8	92.0	1.92	1.55
C.V.(%) Error B	7.6	2.4	2.80	2.56
F(5%)	s	s	s	n.s.

		Days to 50% Silking		Plant Height(cm)		No. of Ears('000/ha)	
N - Level	Germplasm	Baharaich	Jashipur	Baharaich	Jashipur	Baharaich	Jashipur
N40	JKMH-168	57.0	50.3	160.0	202.0	77.06	50.27
	BIO- 81009	58.0	48.3	156.0	196.3	71.53	46.80
	BIO- 81096	56.0	48.0	155.0	191.3	76.39	49.20
	X - 46172	59.0	51.7	159.0	191.0	71.53	53.20
	BIO - 91116	56.0	48.3	172.0	207.0	79.17	48.67
	PRO - 345	55.0	48.0	146.0	182.7	71.53	52.13
	DECCAN - 107	59.0	51.7	162.0	201.3	75.69	38.17
	NAVJOT	56.0	48.0	162.0	182.3	75.69	38.43
N100	JKMH-168	56.0	50.0	165.0	190.7	79.17	57.63
	BIO- 81009	53.0	49.0	161.0	213.3	72.22	60.03
	BIO- 81096	53.0	46.3	155.0	188.7	66.67	58.43
	X - 46172	58.0	50.3	168.0	206.0	70.14	64.30
	BIO - 91116	53.0	46.0	177.3	221.7	78.47	57.37
	PRO - 345	53.0	45.7	146.0	198.3	72.92	64.03
	DECCAN - 107	58.0	51.7	162.7	200.3	66.67	53.97
	NAVJOT	54.0	46.7	173.0	182.7	67.36	55.27
N160	JKMH-168	58.0	48.0	171.0	203.7	78.47	61.90
	BIO- 81009	55.0	47.0	167.0	207.7	64.58	63.50
	BIO- 81096	54.0	45.7	161.3	184.3	72.22	62.70
	X - 46172	57.0	50.3	175.0	194.3	72.22	67.50
	BIO - 91116	53.0	47.0	182.0	208.7	77.78	61.10
	PRO - 345	53.0	45.0	154.3	200.3	68.06	65.10
	DECCAN - 107	57.0	49.7	170.0	204.3	68.06	58.43
	NAVJOT	51.7	48.7	173.0	200.3	70.83	59.27
Location Mean		55.5	48.2	163.9	198.4	72.69	56.14
C.D.(5%) AiBj-AiBk		1.7	2.8	8.1	8.9	3.06	3.63
C.D.(5%) AiBk-AjBk		1.6	3.3	8.2	14.0	3.26	4.03
F(5%)		s	n.s.	n.s.	s	s	S

N 40		57.0	49.3	159.0	194.5	74.83	47.11
N 100		54.8	48.2	163.5	200.2	71.70	58.88
N 160		54.8	47.2	169.2	200.5	71.53	62.44
C.D.(5%) Ai-Aj		0.2	2.1	3.3	11.4	1.61	2.24
C.V.(%) Error A		0.4	5.4	2.5	7.2	2.76	4.97
F(5%)		s	n.s.	s	n.s.	s	s
JKMH-168		57.0	49.4	165.3	198.8	78.24	56.60
BIO- 81009		55.3	48.1	161.3	206.4	69.44	56.78
BIO- 81096		54.3	46.7	157.1	188.1	71.76	56.78
X - 46172		58.0	50.8	167.3	197.1	71.30	61.67
BIO - 91116		54.0	47.1	177.1	212.4	78.47	55.71
PRO - 345		53.7	46.2	148.8	193.8	70.83	60.42
DECCAN - 107		58.0	51.0	164.9	202.0	70.14	50.19
NAVJOT		53.9	46.4	169.3	188.4	71.30	50.99
C.D.(5%) Bi-Bj		1.0	1.6	4.7	5.1	1.77	2.10
C.V.(%) Error B		1.9	3.5	3.0	2.7	2.56	3.92
F(5%)		s	s	s	s	s	s

TABLE 8 Relative performance of pre release germplasm of Medium Maturity at different levels of nitrogen during kharif 2002 in Zone IV

N - Level	Germplasm	Grain Yield (kg/ha)		Plant Stand('000 /ha)		No. of Ears('000/ha)	
		Karim	Kolha	Karim	Kolha	Karim	Kolha
N 60	R - 9702	2700.6	1766.7	54.01	49.56	46.08	49.11
	B H - 1576	3637.6	2411.1	61.07	51.78	53.57	51.56
	A H - 918	3417.1	1775.6	54.67	50.00	50.71	49.56
	DECCAN - 107	2204.6	1906.7	54.89	51.56	46.41	50.89
	NAVJOT	3196.6	2362.2	54.12	52.00	47.84	51.33
N 120	R - 9702	3692.7	2124.4	56.33	50.67	47.62	49.33
	B H - 1576	5070.5	4680.0	62.06	50.44	59.19	50.44
	A H - 918	4188.7	2257.8	57.98	50.22	50.60	50.22
	DECCAN - 107	2976.2	2744.4	63.49	50.67	48.28	50.67
	NAVJOT	3582.5	2728.9	59.08	50.44	50.04	50.44
N 180	R - 9702	3692.7	4146.7	54.56	49.56	52.03	49.33
	B H - 1576	5180.8	3833.3	64.04	50.89	62.28	50.89
	A H - 918	3968.3	3575.6	51.92	50.00	45.19	50.00
	DECCAN - 107	3362.0	3248.9	52.25	51.56	46.74	51.11
	NAVJOT	3196.6	4071.1	53.68	52.00	47.51	51.56
Location Mean		3604.5	2908.9	56.94	50.76	50.27	50.43
C.D.(5%) AiBj-AiBk		891.8	315.1	13.76	1.52	11.84	1.47
C.D.(5%) AiBk-AjBk		926.7	304.4	13.66	1.54	12.26	1.40
F(5%)		n.s.	s	n.s.	n.s.	n.s.	n.s.
N 60		3031.3	2044.4	55.75	50.98	48.92	50.49
N 120		3902.1	2907.1	59.79	50.49	51.15	50.22
N 180		3880.1	3775.1	55.29	50.80	50.75	50.58
C.D.(5%) Ai-Aj		477.3	118.5	6.02	0.73	6.29	0.49
C.V.(%) Error A		17.1	4.0	13.66	1.42	16.18	0.96
F(5%)		s	s	n.s.	n.s.	n.s.	n.s.
R - 9702		3362.0	2679.3	54.97	49.93	48.57	49.26
B H - 1576		4629.6	3641.5	62.39	51.04	58.35	50.96
A H - 918		3858.0	2536.3	54.86	50.07	48.83	49.93
DECCAN - 107		2847.6	2633.3	56.88	51.26	47.14	50.89
NAVJOT		3325.2	3054.1	55.63	51.48	48.46	51.11

C.D.(5%) Bi-Bj	514.9	181.92	7.94	0.88	6.83	0.85
C.V.(%) Error B	17.2	6.43	16.84	1.78	16.41	1.73
F(5%)	s	s	n.s.	s	s	s

N - Level	Germplasm	Plant HT(cm) Karimnagar	Kolhapur	Kolhapur Days to 50% Silking
N 60	R - 9702	145.0	146.7	63.7
	B H - 1576	145.0	142.3	66.0
	A H - 918	136.5	136.0	65.0
	DECCAN - 107	152.3	151.7	65.3
	NAVJOT	158.0	140.7	64.0
N 120	R - 9702	154.3	159.7	63.0
	B H - 1576	148.8	152.0	64.3
	A H - 918	140.8	145.3	63.0
	DECCAN - 107	155.0	151.7	65.0
	NAVJOT	163.5	150.0	62.0
N 180	R - 9702	158.3	157.7	62.0
	B H - 1576	160.5	153.3	65.0
	A H - 918	138.3	146.0	63.0
	DECCAN - 107	154.0	157.0	65.3
	NAVJOT	146.3	154.0	62.0
Location Mean		150.4	149.6	63.9
C.D.(5%) AiBj-AiBk		16.9	11.5	2.1
C.D.(5%) AiBk-AjBk		16.4	14.8	2.8
F(5%)		n.s.	n.s.	n.s.
N 60		147.4	143.5	64.8
N 120		152.5	151.7	63.5
N 180		151.5	153.6	63.5
C.D.(5%) Ai-Aj		6.5	10.8	2.1
C.V.(%) Error A		5.6	7.1	3.2
F(5%)		n.s.	n.s.	n.s.
R - 9702		152.5	154.7	62.9
B H - 1576		151.4	149.2	65.1
A H - 918		138.5	142.4	63.7
DECCAN - 107		153.8	153.4	65.2
NAVJOT		155.9	148.2	62.7
C.D.(5%) Bi-Bj		9.8	6.6	1.21
C.V.(%) Error B		7.8	4.6	1.95
F(5%)		s	s	s

TABLE 9 Relative performance of pre release germplasm of Medium Maturity at different levels of nitrogen during kharif 2002 in Zone V

		Grain Yield (kg/ha)			
N - Level	Germplasm	Banswara	Godhra	Chhindwara	Udaipur
N60	A H - 915	1539	2800.9	3963.0	2506.67
	R - 9702	1762	2988.7	4037.0	2223.33
	B H - 1576	2312	3086.3	5222.2	2746.67
	BIO- 91116	2831	4182.6	5963.0	3093.33
	PRO 345	2761	4430.6	5888.9	3325.00
	DECCAN - 107	1660	4085.9	3074.1	3043.33
	NAVJOT	1554	2638.5	3370.4	1498.33
N120	A H - 915	1847	3383.7	4370.4	2940.00
	R - 9702	2214	3677.1	4185.2	2513.33
	B H - 1576	2821	3473.1	5481.5	2993.33
	BIO- 91116	3539	4610.1	5963.0	3408.33
	PRO 345	3396	4515.1	6148.1	3716.67
	DECCAN - 107	2025	4562.5	3407.4	3340.00
	NAVJOT	1880	3339.1	3629.6	1820.00
N180	A H - 915	1816	3911.1	4481.5	2916.67
	R - 9702	2089	4132.5	4222.2	2551.67
	B H - 1576	2749	4444.1	5740.7	3143.33
	BIO- 91116	3517	5074.1	6037.0	3435.00
	PRO 345	3284	4676.7	6222.2	3731.67
	DECCAN - 107	1933	5167.5	3703.7	3423.33
	NAVJOT	1776	3755.9	3703.7	1880.00
Location Mean		2347.857	3949.3	4705.5	2869.05
C.D.(5%) AiBj-AiBk		747.5292	543.3	699.6	203.16
C.D.(5%) AiBk-AjBk		704.285	746.0	689.6	416.98
F(5%)		n.s.	n.s.	n.s.	n.s.
N 60		2059.857	3459.1	4502.6	2633.81
N 120		2531.714	3937.2	4740.7	2961.67
N 180		2452	4451.7	4873.0	3011.67
C.D.(5%) Ai-Aj		135.4547	555.8	245.2	373.80
C.V.(%) Error A		6.734382	21.5	8.1	19.92
F(5%)		s	s	s	n.s.
A H - 915		1734	3365.2	4271.6	2787.78
R - 9702		2021.667	3599.4	4148.1	2429.44
B H - 1576		2627.333	3667.8	5481.5	2961.11
BIO- 91116		3295.667	4622.3	5967.7	3312.22
PRO 345		3147	4540.8	6066.4	3591.11
DECCAN - 107		1872.667	4605.3	3395.1	3268.89
NAVJOT		1736.667	3244.5	3567.9	1732.78
C.D.(5%) Bi-Bj		431.5862	313.7	403.9	117.30
C.V.(%) Error B		19.2	9.7	9.0	4.99
F(5%)		s	s	s	s

A-20

Plant Stand('000/ha)

N - Level	Germplasm	Banswara	Godhra	Chhindwara	Udaipur
N60	A H - 915	54.41	66.49	58.89	63.17
	R - 9702	57.26	67.53	53.70	62.00
	B H - 1576	59.46	69.44	57.41	62.50
	BIO- 91116	60.37	62.85	58.15	62.17
	PRO 345	60.18	64.24	57.78	63.17
	DECCAN - 107	55.59	63.89	57.41	62.00
	NAVJOT	54.40	60.76	51.48	61.00
N120	A H - 915	54.59	61.63	60.37	62.50
	R - 9702	58.43	60.59	54.81	63.50
	B H - 1576	61.20	64.24	60.74	63.33
	BIO- 91116	62.03	63.89	57.78	62.33
	PRO 345	61.52	61.63	60.74	62.00
	DECCAN - 107	56.54	67.01	58.89	62.00
	NAVJOT	55.47	60.24	53.33	62.67
N180	A H - 915	54.60	64.58	60.74	61.50
	R - 9702	57.40	62.85	55.19	62.17
	B H - 1576	60.61	69.10	59.26	62.17
	BIO- 91116	60.91	69.62	64.44	61.67
	PRO 345	60.49	62.15	60.74	63.17
	DECCAN - 107	56.43	67.36	62.96	62.67
	NAVJOT	55.16	59.55	55.56	62.00
Location Mean		57.95	64.27	58.11	62.37
C.D.(5%) AiBj-AiBk		4.08	7.64	5.42	1.04
C.D.(5%) AiBk-AjBk		4.26	7.67	6.13	5.07
F(5%)		n.s.	n.s.	n.s.	s
N 60		57.38	65.03	56.40	62.29
N 120		58.54	62.75	58.10	62.62
N 180		57.94	65.03	59.84	62.19
C.D.(5%) Ai-Aj		2.02	3.01	3.62	4.99
C.V.(%) Error A		4.07	7.16	7.27	12.22
F(5%)		n.s.	n.s.	n.s.	n.s.

No. of Ears('000/ha)

N - Level	Germplasm	Banswara	Godhra	Chhindwara	Udaipur
N60	A H - 915	49.07	46.53	40.00	55.83
	R - 9702	52.68	47.57	50.37	54.33
	B H - 1576	53.33	49.13	54.07	55.33
	BIO- 91116	55.92	53.82	54.07	66.17
	PRO 345	54.45	54.86	53.33	62.67
	DECCAN - 107	51.57	53.13	52.59	57.50
	NAVJOT	51.48	40.80	45.56	44.17
N120	A H - 915	51.68	50.00	48.52	56.67
	R - 9702	54.89	52.26	46.67	52.00
	B H - 1576	56.00	50.69	54.07	56.00
	BIO- 91116	59.47	57.99	57.04	65.33
	PRO 345	57.67	55.21	54.07	62.67
	DECCAN - 107	54.15	59.03	58.15	58.00
	NAVJOT	53.83	50.00	50.00	44.00
N180	A H - 915	51.42	54.17	53.33	55.33
	R - 9702	54.06	55.38	49.26	53.17
	B H - 1576	55.41	55.90	55.56	54.67
	BIO- 91116	58.16	63.72	59.26	65.67
	PRO 345	57.09	58.33	54.07	61.67
	DECCAN - 107	53.28	64.06	59.26	56.83
	NAVJOT	52.92	52.60	52.22	43.33
Location Mean		54.22	53.58	52.45	56.25
C.D.(5%) AiBj-AiBk		11.64	6.93	4.89	1.72
C.D.(5%) AiBk-AjBk		11.07	7.93	6.30	6.38
F(5%)		n.s.	n.s.	s	n.s.
N 60		52.64	49.40	50.00	56.57
N 120		55.38	53.60	52.65	56.38
N 180		54.62	57.74	54.71	55.81
C.D.(5%) Ai-Aj		2.83	4.72	4.50	8.18
C.V.(%) Error A		5.7	13.46	10.00	16.81
F(5%)		n.s.	s	n.s.	n.s.
A H - 915		50.7	50.23	47.28	55.94
R - 9702		53.9	51.74	48.77	53.17
B H - 1576		54.9	51.91	54.57	55.33
BIO- 91116		57.9	58.51	56.79	65.72
PRO 345		56.40	56.13	53.83	62.33
DECCAN - 107		53.00	58.74	56.67	57.44
NAVJOT		52.74	47.80	49.26	43.83
C.D.(5%) Bi-Bj		6.72	4.00	2.82	0.99
C.V.(%) Error B		12.95	9.11	5.63	2.16
F(5%)		n.s.	s	s	S

Plant HT(cm)

N - Level	Germplasm	Banswara	Godhra	Chhindwara	Udaipur
N60	A H - 915	148.0	172.8	188.0	199.0
	R - 9702	160.7	185.8	184.7	189.5
	B H - 1576	161.6	195.0	184.3	199.5
	BIO- 91116	169.8	193.0	186.0	201.0

	PRO 345	167.6	170.5	183.0	200.3
	DECCAN - 107	157.3	190.5	183.3	208.5
	NAVJOT	151.1	188.0	184.7	189.8
N120	A H - 915	167.4	172.5	189.3	200.5
	R - 9702	174.6	189.8	188.7	196.3
	B H - 1576	177.5	197.3	188.3	201.3
	BIO- 91116	182.0	196.5	189.7	211.8
	PRO 345	179.5	174.3	188.3	208.0
	DECCAN - 107	171.7	193.5	187.0	220.8
	NAVJOT	168.1	190.5	192.0	201.0
N180	A H - 915	166.6	175.3	193.0	199.8
	R - 9702	172.5	195.0	193.7	196.3
	B H - 1576	176.2	206.5	192.7	206.0
	BIO- 91116	180.3	198.8	198.3	215.0
	PRO 345	179.0	196.5	194.3	237.5
	DECCAN - 107	167.9	197.0	199.3	228.3
	NAVJOT	167.0	193.0	197.0	205.5

Location Mean	168.9	189.1	189.8	205.5
C.D.(5%) AiBj-AiBk	16.2	10.3	10.4	17.6
C.D.(5%) AiBk-AjBk	15.0	10.3	10.8	31.2
F(5%)	n.s.	n.s.	n.s.	n.s.
N 60	159.4	185.1	184.9	196.2
N 120	174.4	187.8	189.0	205.6
N 180	172.6	194.6	195.5	212.6
C.D.(5%) Ai-Aj	0.9	4.1	5.0	26.8
C.V.(%) Error A	0.6	3.3	3.1	19.9
F(5%)	s	s	s	n.s.
A H - 915	160.7	173.50	190.1	199.8
R - 9702	169.3	190.17	189.0	194.0
B H - 1576	171.7	199.58	188.4	202.3
BIO- 91116	177.4	196.08	191.3	209.3
PRO 345	175.3	180.42	188.6	215.3
DECCAN - 107	165.6	193.67	189.9	219.2
NAVJOT	162.0	190.5	191.2	198.8
C.D.(5%) Bi-Bj	9.4	5.9343926.0		10.1
C.V.(%) Error B	5.8	3.8294983.3		6.0
F(5%)	s	s	n.s.	s

Days to 50% silking

N - Level	Germplasm	Banswara	Godhra	Chhindwara	Udaipur
N60	A H - 915	53.7	58.0	54.3	51.8
	R - 9702	53.3	57.3	55.3	50.0
	B H - 1576	55.7	55.5	57.3	51.0
	BIO- 91116	53.0	57.8	53.3	53.0
	PRO 345	52.3	56.0	53.0	54.0
	DECCAN - 107	54.3	57.0	62.3	54.0

	B H - 1576	53.3	57.8	56.7	51.8
	BIO-91116	50.0	60.0	52.0	53.0
	PRO 345	49.3	57.3	52.3	54.0
	DECCAN - 107	52.0	57.5	62.0	54.8
	NAVJOT	49.7	57.5	55.0	52.0
N180	A H - 915	51.0	61.0	54.0	53.0
	R - 9702	50.7	61.5	55.3	50.3
	B H - 1576	52.7	59.8	54.0	51.8
	BIO-91116	49.3	61.5	52.0	54.0
	PRO 345	48.3	58.3	52.0	53.3
	DECCAN - 107	51.7	59.5	60.7	53.3
	NAVJOT	49.0	58.0	53.3	52.3

Location Mean	51.6	58.3	55.2	52.4
C.D.(5%) AiBj-AiBk	1.3	1.0	2.1	3.4
C.D.(5%) AiBk-AjBk	1.4	1.2	2.1	9.5
F(5%)	n.s.	s	n.s.	n.s.

N 60		53.6	56.6	55.9	52.1
N 120		50.9	58.4	55.3	52.5
N 180		50.4	59.9	54.5	52.5

C.D.(5%) Ai-Aj	0.8	0.8	0.8	9.0
C.V.(%) Error A	1.7	2.0	1.6	26.2

F(5%)	s	s	s	n.s.

A H - 915		52.0	59.9	54.1	52.3
R - 9702		51.6	58.9	55.2	50.1
B H - 1576		53.9	57.7	56.0	51.5
BIO- 91116		50.6	59.8	52.4	53.3
PRO 345		50.0	57.2	52.4	53.8
DECCAN - 107		52.7	58.0	61.7	54.0
NAVJOT		50.4	56.8	54.7	51.8

C.D.(5%) Bi-Bj	0.7	0.6	1.2	2.0
C.V.(%) Error B	1.5	1.3	2.3	4.6
F(5%)	s	s	s	s

		← Godhra →			Udaipur →		
		Fodder Yield	Cob Length	Cob Girth		PSFR affected	Lodging Percent
N - Level	Germplasm	(kg/ha)	(cm)	(cm)	Barren %		
N60	A H - 915	4010.4	16.1	12.6	2.0	2.5	1.5
	R - 9702	4286.2	16.9	12.7	2.3	3.3	2.5
	B H - 1576	4444.4	18.3	12.3	2.0	3.0	2.0
	BIO-91116	6059.0	16.7	14.7	0.3	0.3	0.0
	PRO 345	6354.2	16.9	14.0	0.0	0.3	0.0
	DECCAN - 107	5850.7	16.1	13.1	0.8	3.0	2.3
	NAVJOT	3784.7	16.3	12.2	3.0	5.0	15.0
N120	A H - 915	4947.9	16.3	13.1	2.0	2.8	2.5
	R - 9702	5416.7	17.1	12.8	2.0	4.8	3.0
	B H - 1576	5138.9	18.7	12.5	1.5	2.5	3.5
	BIO-91116	6996.5	18.0	14.1	0.0	0.3	0.3
	PRO 345	6857.6	18.2	14.0	0.0	0.3	0.3
	DECCAN - 107	6927.1	16.4	13.0	0.8	3.0	3.5
	NAVJOT	5086.8	16.5	12.2	2.8	6.0	19.0
N180	A H - 915	5972.2	16.9	13.7	2.0	2.5	2.5
	R - 9702	6406.3	17.7	13.1	2.0	3.3	3.0
	B H - 1576	6927.1	19.1	12.4	1.8	2.5	3.0
	BIO-91116	8159.7	17.9	14.2	0.0	0.0	0.0
	PRO 345	7465.3	18.5	14.5	0.0	0.3	0.3
	DECCAN - 107	8368.1	16.8	13.9	1.3	2.3	3.0
	NAVJOT	6093.8	16.7	12.5	2.3	6.5	20.5
Location Mean		5978.8	17.2	13.2	1.4	2.6	4.2
C.D.(5%) AiBj-AiBk		834.9	1.6	1.0	1.0	1.0	1.1
C.D.(5%) AiBk-AjBk		1123.3	1.7	1.0	1.0	1.0	1.2
F(5%)		n.s.	n.s.	n.s.	n.s.	s	s
N 60		4970.2	16.7	13.1	1.5	2.5	3.3
N 120		5910.2	17.3	13.1	1.3	2.8	4.6
N 180		7056.1	17.7	13.5	1.3	2.5	4.6
C.D.(5%) Ai-Aj		822.6	0.9	0.4	0.4	0.4	0.5
C.V.(%) Error A		21.0	8.0	4.9	48.0	26.3	19.1
F(5%)		s	n.s.	n.s.	n.s.	n.s.	s
A H - 915		4976.9	16.42	13.2	2.0	2.6	2.2
R - 9702		5370.4	17.23	12.9	2.1	3.8	2.8
B H - 1576		5503.5	18.71	12.4	1.8	2.7	2.8

BIO- 91116	7071.8	17.53	14.3	0.1	0.2	0.1
PRO 345	6892.4	17.87	14.1	0.0	0.3	0.2
DECCAN - 107	7048.6	16.41	13.3	0.9	2.8	2.9
NAVJOT	4968.4	16.48	12.3	2.7	5.8	18.2
C.D.(5%) Bi-Bj	482.1	0.929013	0.6	0.6	0.6	0.6
C.V.(%) Error B	9.8	6.578405	5.1	51.3	26.6	18.8
F(5%)	S	S	S	S	S	S

TABLE 10 Relative performance of pre release germplasm of Early Maturity at different levels of nitrogen during kharif 2002 in Zone I

N - Level	Germplasm	Grain Yield (kg/ha) Almora	Grain Yield (kg/ha) Kangra	Plant Stand('000/ha) Almora	Plant Stand('000/ha) Kangra	Days to 50% Silking Almora	Days to 50% Silking Kangra
N 40	EC - 1108	3972.2	7936.7	66.67	59.93	55.3	55.3
	F H - 3138	5231.5	8373.3	66.20	61.93	52.7	54.0
	X - 3342	5092.6	8333.3	66.67	63.07	54.7	55.0
	MEGHA	4699.1	7066.7	64.81	63.10	54.3	55.3
	PEHM - 2	4064.8	7023.3	66.67	53.53	55.3	55.3
	MAHI KANCHAN	3379.6	6943.3	62.96	54.37	54.7	55.0
N 100	EC - 1108	5949.1	7356.7	64.81	55.57	54.7	55.0
	F H - 3138	7513.9	8373.3	66.20	61.10	50.7	54.3
	X - 3342	7245.4	8610.0	66.67	59.10	52.3	54.3
	MEGHA	5463.0	7816.7	65.74	60.70	55.0	55.0
	PEHM - 2	5958.3	6903.3	64.81	50.80	54.7	55.7
	MAHI KANCHAN	5231.5	6073.3	66.20	58.30	51.3	55.0
N 160	EC - 1108	6722.2	6906.7	64.81	57.13	51.7	55.7
	F H - 3138	6449.1	7223.3	65.74	60.30	50.3	54.7
	X - 3342	8203.7	6626.7	66.67	57.13	52.3	55.3
	MEGHA	5925.9	6510.0	66.67	55.53	53.0	55.0
	PEHM - 2	6064.8	6783.3	63.89	50.00	52.7	55.0
	MAHI KANCHAN	5694.4	5556.7	66.67	55.57	51.0	54.7
Location Mean		5825.6	7245.4	65.72	57.62	53.1	55.0
C.D.(5%) AiBj-AiBk		1135.6	932.1	3.91	6.57	1.1	1.2
C.D.(5%) AiBk-AjBk		1368.9	908.0	3.70	7.03	1.1	1.4
F(5%)		n.s.	n.s.	n.s.	n.s.	s	n.s.
N 40		4406.6	7612.8	65.66	59.32	54.5	55.0
N 100		6226.9	7522.2	65.74	57.59	53.1	54.9
N 160		6843.4	6601.1	65.74	55.94	51.8	55.1
C.D.(5%) Ai-Aj		916.9	327.7	1.00	3.78	0.4	0.9
C.V.(%) Error A		17.0	4.9	1.64	7.08	0.8	1.8
F(5%)		s	s	n.s.	n.s.	s	n.s.
	EC - 1108	5547.6	7400.0	65.43	57.54	53.9	55.3
	F H - 3138	7064.8	7990.0	66.05	61.11	51.2	54.3
	X - 3342	6847.2	7856.7	66.67	59.77	53.1	54.9
	MEGHA	5362.7	7131.1	65.74	59.78	54.1	55.1
	PEHM - 2	5362.7	6903.3	65.12	51.44	54.2	55.3
	MAHI KANCHAN	4768.5	6191.1	65.28	56.08	52.3	54.9
C.D.(5%) Bi-Bj		655.6	538.1	2.26	3.79	0.6	0.7
C.V.(%) Error B		11.7	7.7	3.57	6.83	1.2	1.3
F(5%)		s	s	n.s.	s	s	n.s

TABLE 11 Relative performance of pre release germplasm of Early Maturity at different levels of nitrogen during kharif 2002 in Zone II

N - Level	Germplasm	Grain Yield (kg/ha) Kamal	Kanpur	Ludh	Plant Stand('000/ha) Kamal	Kanpur	Ludh	Days to 50% Silking Kamal	Kanpur
N60	X - 2002	4116.1	3130.7	4030.6	54.67	56.9	60.83	51.7	39.7
	BISCO - 203	3327.1	3249.6	3841.7	53.67	56.1	59.72	55.3	41.0
	X - 3342	4028.9	3569.7	3297.2	53.33	54.7	63.89	52.3	39.0
	MEGHA	4103.3	3451.4	3630.6	54.67	55.3	61.94	52.0	40.0
	PEHM - 2	3982.3	3328.9	3211.1	53.33	56.9	60.28	52.3	42.0
	MAHI KANCHAN	2870.6	3344.4	2116.7	53.33	56.1	61.67	52.3	42.7
N120	X - 2002	6695.2	3282.2	4988.9	55.33	56.1	65.00	53.3	40.7
	BISCO - 203	5644.7	3467.6	5311.1	54.00	56.1	64.44	56.7	40.7
	X - 3342	6758.6	3609.2	4502.8	56.00	55.0	65.28	53.3	42.3
	MEGHA	6034.8	3592.2	4122.2	56.67	56.1	63.89	52.7	45.0
	PEHM - 2	4897.4	3614.4	3938.9	54.33	56.9	65.83	53.0	42.3
	MAHI KANCHAN	4792.7	3451.4	2713.9	55.67	58.9	64.17	53.3	43.3
N180	X - 2002	6823.1	3589.4	5936.9	57.33	55.0	61.11	54.3	41.0
	BISCO - 203	5568.1	3682.9	5600.0	54.67	56.9	61.39	57.7	40.3
	X - 3342	7640.5	3925.9	5166.7	55.67	57.78	64.44	54.3	40.7
	MEGHA	6434.9	3826.1	4397.2	54.33	56.39	66.11	54.3	39.7
	PEHM - 2	5721.831	3918.1	4613.9	56.33	56.11	66.94	54.7	41.7
	MAHI KANCHAN	4820.946	3880.0	3366.7	54.33	55.56	61.94	54.3	40.7
Location Mean		5227.2	3550.6	4154.9	54.87	56.28	63.27	53.8	41.3
C.D.(5%) AiBj-AiBk		243.6	480.3	586.8	3.99	3.57	5.29	1.0	4.0
C.D.(5%) AiBk-AjBk		256.6	532.6	782.4	4.12	4.13	5.70	1.0	4.7
F(5%)		s	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		3732.5	3346.1	3354.6	53.8	56.02	61.39	52.7	40.7
N 120		5791.3	3502.8	4263.0	55.3	56.53	64.77	53.7	42.4
N 180		6139.7	3803.8	4847.2	55.4	56.30	63.66	54.9	40.7
C.D.(5%) Ai-Aj		131.8	311.0	582.9	2.0	2.61	3.13	0.4	3.0
C.V.(%) Error A		2.9	6.7	15.2	3.9	5.01	5.34	0.9	8.0
F(5%)		s	s	s	n.s.	n.s.	n.s.	s	n.s.
X - 2002		5910.8	3334.4	4986.1	55.8	56.02	62.3	53.1	40.4
BISCO - 203		4877.8	3466.4	4917.6	54.1	56.39	61.9	56.6	40.7
X - 3342		6111.8	3702.0	4322.2	55.0	55.83	64.5	53.3	40.7
MEGHA		5514.4	3623.2	4050.0	55.2	55.93	64.0	53.0	41.6
PEHM - 2		4868.9	3619.5	3921.3	54.7	56.67	64.4	53.3	42.0
MAHI KANCHAN		4161.0	3557.9	2732.4	54.4	56.85	62.6	53.3	42.2

C.D.(5%) Bi-Bj	140.6	277.3	338.8	2.3	2.06	3.1	0.6	2.29	
C.V.(%) Error B	3.0	5.8	8.5	4.4	3.81	5.1	1.1	5.77	
F(5%)	s	s	s	n.s.	n.s.	n.s.	s	n.s.	

N - Level	Germplasm	Plant HT (cm)		No. of Ears ('000/ha)	
		Kanpur	Ludh	Kanpur	Ludh
N60	X - 2002	136.7	165.0	55.3	60.83
	BISCO - 203	133.7	158.3	55.6	60.56
	X - 3342	134.3	161.7	53.6	64.44
	MEGHA	141.7	171.7	54.7	65.28
	PEHM - 2	140.7	173.3	56.4	61.94
	MAHI KANCHAN	140.0	171.7	55.3	52.78
N120	X - 2002	138.0	171.7	54.7	71.11
	BISCO - 203	141.7	171.7	55.0	66.39
	X - 3342	134.3	170.0	54.2	66.94
	MEGHA	136.7	180.0	54.7	65.83
	PEHM - 2	136.3	178.3	55.3	64.72
	MAHI KANCHAN	139.7	190.0	57.2	58.06
N180	X - 2002	135.3	186.7	54.2	64.72
	BISCO - 203	133.3	183.3	56.1	58.06
	X - 3342	134.0	181.7	56.7	65.28
	MEGHA	137.0	195.0	55.0	66.39
	PEHM - 2	137.7	185.0	55.0	70.56
	MAHI KANCHAN	139.0	195.0	54.4	56.94
Location Mean		137.2	177.2	55.2	63.38
C.D.(5%) AiBj-AiBk		6.0	9.3	3.5	6.58
C.D.(5%) AiBk-AjBk		5.8	10.6	3.8	6.99
F(5%)		n.s.	n.s.	n.s.	n.s.
N 60		137.8	166.9	55.1	60.97
N 120		137.8	176.9	55.2	65.51
N 180		136.1	187.8	55.2	63.66
C.D.(5%) Ai-Aj		2.1	6.6	2.2	3.69
C.V.(%) Error A		1.6	4.0	4.2	6.29
F(5%)		n.s.	s	n.s.	n.s.

A-29

X - 2002	136.7	174.4444	54.7	65.6
BISCO - 203	136.2	171.1111	55.6	61.7
X - 3342	134.2	171.11	54.8	65.6
MEGHA	138.4	182.22	54.8	65.8
PEHM - 2	138.2	178.89	55.6	65.7
MAHI KANCHAN	139.6	185.5556	55.65	55.9
C.D.(5%) Bi-Bj	3.5	5.345148	2.01	3.8
C.V.(%) Error B	2.6	3.133228	3.78	6.226504
F(5%)	s	s	n.s.	s

TABLE 12 Relative performance of pre release germplasm of Early Maturity at different levels of nitrogen during kharif 2002 in Zone III

		Grain Yield (kg/ha)		Plant Stand('000/ha)		Days to 50% Silking	
N - Level	Germplasm	Baharaich	Jashipur	Baharaich	Jashipur	Baharaich	Jashipur
N40	D - 994	2881.94	2530.0	76.38889	62.7	53	43.66667
	D - 995	2145.83	2340.0	67.36111	65.1	51	42.66667
	HIM - 129	3173.61	2160.0	77.08333	62.7	53	40.66667
	SURYA	2361.11	2316.7	68.8	62.96667	55.0	43
	BAU (FS) V1	2548.61	2853.3	68.1	64.03333	55.0	45
N100	D - 994	4395.83	3810.0	74.3	63.5	52.0	42.33333
	D - 995	4013.89	3553.3	66.7	64.03333	51.0	42.33333
	HIM - 129	4750.00	3433.3	73.6	64.83333	50.0	39.66667
	SURYA	4020.83	3406.7	66.0	65.1	51.0	41.33333
	BAU (FS) V1	4111.11	3850.0	70.1	64.3	51.0	43.33333
N160	D - 994	5041.67	3920.0	73.6	65.1	51.0	42
	D - 995	4756.94	3740.0	67.4	64.83333	54.0	41.33333
	HIM - 129	5611.11	3326.7	75.7	63.76667	51.0	38.33333
	SURYA	4798.61	3546.7	68.1	62.7	51.0	41.33333
	BAU (FS) V1	4770.83	4190.0	70.1	64.56667	54.0	43
Location Mean		3958.80	3265.1	70.9	64.01556	52.2	42
C.D.(5%) AiBj-AiBk		339.63	330.9	2.4	2.70761	1.5	2.232911
C.D.(5%) AiBk-AjBk		335.39	389.3	2.4	2.72947	1.4	2.409775
F(5%)		n.s.	n.s.	n.s.	n.s.	s	n.s.
N 40		2622.22	2440.0	71.5	63.5	53.4	43
N 100		4258.33	3610.7	70.1	64.35333	51.0	41.8
N 160		4995.83	3744.7	71.0	64.19333	52.2	41.2
C.D.(5%) Ai-Aj		146.49	259.0	1.1	1.296348	0.5	1.384912
C.V.(%) Error A		3.65	7.8	1.6	1.997778	0.9	3.253
F(5%)		s	s	n.s.	n.s.	s	n.s.
D - 994		4106.48	3420.0	74.8	63.76667	52.0	42.66667
D - 995		3638.89	3211.1	67.1	64.65556	52.0	42.11111
HIM - 129		4511.57	2973.3	75.5	63.76667	51.3	39.55556
SURYA		3726.85	3090.0	67.6	63.58889	52.3	41.88889
BAU (FS) V1		3810.19	3631.1	69.4	64.3	53.3	43.77778
C.D.(5%) Bi-Bj		196.09	191.0	1.4	1.563239	0.9	1.289172
C.V.(%) Error B		5.09	6.0	2.0	2.509785	1.7	3.1547
F(5%)		s	s	s	n.s.	s	s

N - Level	Germplasm	Plant Height(cm)		No. of Ears('000/ha)	
		Baharaich	Jashipur	Baharaich	Jashipur
N40	D - 994	160	154.4333	77.77778	27.26667
	D - 995	151.6667	163.5	69.44444	27.26667
	HIM - 129	160	137.9333	77.77778	26.46667
	SURYA	170.0	161.5	70.14	28.06667
	BAU (FS) V1	175.0	174	69.44	31.7
N100	D - 994	168.3	161.0333	75.69	32.5
	D - 995	156.7	148.4667	68.06	31.2
	HIM - 129	185.0	147.3	75.69	31.46667
	SURYA	181.7	161.9667	68.06	31.7
	BAU (FS) V1	185.0	186.3667	72.22	33.83333
N160	D - 994	193.3	159.6333	75.69	33.83333
	D - 995	180.0	160.5333	68.75	32.76667
	HIM - 129	201.7	149.9333	77.08	32.5
	SURYA	201.7	166.2667	67.36	33.3
	BAU(FS)V1	198.3	184.1	71.53	35.16667
Location Mean		177.9	161.1	72.3	31.3
C.D. AiBj-AiBk		11.9	12.8	2.4	2.5
C.D.(5%) AiBk-AjBk		11.9	12.63626	2.41	2.491314
F(5%)		11.4	14.45477	2.80	2.937682
		n.s.	n.s.	n.s.	n.s.

N 40		163.3	158.2	72.92	28.2
N 100		175.3	161.1	71.94	32.1
N160		195.0	164.1	72.08	33.5
C.D.(5%) Ai-Aj		4.3	9.00	1.84	1.9
C.V.(%) Error A					
F(5%)		2.4	5.5	2.5	6.2
		s	n.s.	n.s.	s

D - 994	173.9	158.3667	76.39	31.2
D - 995	162.8	157.5	68.75	30.41111
HIM - 129	182.2	145.0556	76.85	30.14444
SURYA	184.4	163.2444	68.52	31.02222
BAU (FS) V1	186.1	181.4889	71.06	33.56667
C.D.(5%) Bi-Bj	6.8	7.412187	1.39	1.438361
C.V.(%) Error B	4.0	4.727848	1.98	4.727722
F(5%)	s	s	s	s

TABLE 13 Relative performance of pre release germplasm of Early Maturity at different levels of nitrogen during kharif 2002 in Zone IV

N - Level	Germplasm	Grain Yield (kg/ha)		Plant Stand('000/ha)		No. of Ears('000/ha)	
		Karimnagar	Kolhapur	Karimnagar	Kolhapur	Karimnagar	Kolhapur
N 40	R - 9701	1839.8	2355.6	21.86	50.89	18.83	50 6
	P R O - 340	2868.0	3655.6	42.64	50.89	42.53	50 0
	F H - 3113 (RETESTING)	2868.0	3606.7	34.42	51.33	32.90	50 2
	X - 3342	3192.6	3917.8	41.45	51.33	40.15	50 4
	MEGHA	2651.5	2215.6	38.96	50.22	38.85	50.0
	PEHM - 2	2272.7	2571.1	39.07	51.11	37.45	51 1
	MAHI KANCHAN	1596.3	2177.8	24.35	49.56	22 51	48 8
N 100	R - 9701	3409.1	4351.1	37.55	50.89	39.29	50 4
	P R O - 340	3787.9	5006.7	46.75	51.33	42.97	50 8
	F H - 3113 (RETESTING)	3138.5	5008.9	30.95	50.89	33.33	50 6
	X - 3342	3625.5	5271.1	36.90	51.33	40.37	50 6
	MEGHA	2813.9	3366.7	37.01	50.67	36 04	49 7
	PEHM - 2	3625.5	4393.3	44.81	51.33	44.05	50.4
	MAHI KANCHAN	2029.2	3617.8	28.25	48.89	21 32	48.2
N 160	R - 9701	4085.5	5366.7	35.17	50.67	33.66	49.5
	P R O - 340	4599.6	5586.7	44.26	51.33	41 56	50.8
	F H - 3113 (RETESTING)	4761.9	5480.0	35.82	51.11	38.53	50.6
	X - 3342	4329.0	6042.2	50.43	51.11	49.78	50.8
	MEGHA	4680.7	4473.3	44.26	50.89	46.86	50.4
	PEHM - 2	3625.5	5388.9	47.40	50.67	42.21	50 6
	MAHI KANCHAN	1948.1	4415.6	23.05	50.67	25.00	51.1
Location Mean		3226.1	4203.3	37.40	50.81	36 58	50.32
C.D (5%) AiBj-AiBk		901.9	329.2	10.96	1.53	10 31	1 58
C.D (5%) AiBk-AjBk		1034.7	320.4	10.54	1.58	10 42	1 51
F(5%)		s	s	n.s.	n.s.	n.s.	n.s.
N 40		2469.9	2928.6	34.68	50.76	33.32	50.19
N 100		3204.2	4430.8	37.46	50.76	36.77	50 16
N 160		4004.3	5250.5	40.06	50.92	39 66	50 60
C.D.(5%) Ai-Aj		618.5	102.2	2.88	0.74	4.24	0 39
C.V.(%) Error A		29.3	2.8	11.78	1.70	17.74	0 91
F(5%)		s	s	s	n.s.	s	n s.
R - 9701		3111.5	4024.4	31.53	50.81	30.59	50.22
P R O - 340		3751.8	4749.6	44.55	51.19	42.35	50.59
F H - 3113 (RETESTING)		3589.5	4698.5	33.73	51.11	34.92	50 52
X - 3342		3715.7	5077.0	42.93	51.26	43.43	50.67
MEGHA		3382.0	3351.9	40.08	50.59	40.58	50.07
PEHM - 2		3174.6	4117.8	43.76	51.04	41.23	50.74
MAHI KANCHAN		1857.9	3403.7	25.22	49.70	22 94	49.41
C.D.(5%) Bi-Bj		520.7	190.1	6 33	0.88	5 95	0 91
C.V.(%) Error B		19.7	4.7	20.65	1.81	19.87	1 89
F(5%)		s	s	s	s	s	n s.

A-33

N - Level	Germplasm	Plant HT(cm) Karimnagar	Plant HT(cm) Kolhapur	Kolhapur Days to 50% Silking
N 40	R - 9701	157.5	157.3	59.3
	P R O - 340	159.0	159.0	57.7
	F H - 3113 (RETESTING)	160.3	169.0	58.3
	X - 3342	150.3	167.3	58.3
	MEGHA	168.5	173.7	60.0
	PEHM - 2	153.0	170.0	59.3
	MAHI KANCHAN	158.8	169.3	56.0
N 100	R - 9701	168.8	184.0	59.3
	P R O - 340	155.5	172.7	57.0
	F H - 3113 (RETESTING)	173.0	173.0	59.3
	X - 3342	167.5	173.0	56.7
	MEGHA	167.3	190.7	59.0
	PEHM - 2	156.5	173.3	58.3
	MAHI KANCHAN	161.5	171.0	56.7
N 160	R - 9701	177.5	186.0	58.3
	P R O - 340	164.3	177.3	57.3
	F H - 3113 (RETESTING)	159.8	189.3	56.7
	X - 3342	181.8	171.7	56.3
	MEGHA	190.8	195.0	58.7
	PEHM - 2	169.5	183.3	57.3
	MAHI KANCHAN	160.0	172.7	56.7
Location Mean		164.8	175.2	57.9
C.D.(5%) AiBj-AiBk		20.7	15.5	2.8
C.D.(5%) AiBk-AjBk		21.0	17.3	2.7
F(5%)		n.s.	n.s.	n.s.

N 40	158.2	166.5	58.4
N 100	164.3	176.8	58.0
N 160	171.9	182.2	57.3
C.D.(5%) Ai-Aj	8.7	10.0	0.7
C.V.(%) Error A	8.1	6.7	1.5
F(5%)	s	s	s

R - 9701	167.9	175.8	59.0
P R O - 340	159.6	169.7	57.3
F H - 3113 (RETESTING)	164.3	177.1	58.1
X - 3342	166.5	170.7	57.1
MEGHA	175.5	186.4	59.2
PEHM - 2	159.7	175.6	58.3
MAHI KANCHAN	160.1	171.0	56.4
C.D.(5%) Bi-Bj	12.0	8.9	1.6
C.V.(%) Error B	8.9	5.3	3.0
F(5%)	n.s.	s	s

TABLE 14 Relative performance of pre release germplasm of Extra Early Maturity at different levels of nitrogen during kharif 2002 in Zone I

N - Level	Germplasm	Grain Yield (kg/ha) Almora	Kangra	Plant Stand('000/ha) Almora	Kangra	Days to 50% Silking Almora	Kangra
N40	A H - 421	7106.5	6566.67	60.73		52.3	55.3
	HIM - 129	6018.5	6470.00	58.07		48.3	51.0
	SURYA	4629.6	6436.67	59.10		51.7	55.3
N100	A H - 421	7810.2	7360.00	58.10		52.7	55.7
	HIM - 129	6296.3	6700.00	56.47		47.3	49.0
	SURYA	4838.0	6006.67	54.47		49.7	49.3
N160	A H - 421	8148.1	6900.00	53.47		52.0	55.7
	HIM - 129	6828.7	6433.33	54.80		46.0	51.3
	SURYA	5000.0	4916.67	48.50		49.7	55.3
Location Mean		6297.3	6421.11	55.97		50.0	53.1
C.D.(5%) AiBj-AiBk		1057.4	994.82	6.83		0.8	2.9
C.D.(5%) AiBk-AjBk		1313.7	935.61	6.40		1.4	3.4
F(5%)		n.s.	n.s.	n.s.		s	s
N 40		5918.2	6491.11	59.30		50.8	53.9
N 100		6314.8	6688.89	56.34		49.9	51.3
N 160		6659.0	6083.33	52.26		49.2	54.1
C.D.(5%) Ai-Aj		1002.9	473.45	3.20		1.2	2.4
C.V.(%) Error A		12.2	5.63	4.37		1.8	3.5
F(5%)		n.s.	n.s.	s		n.s.	n.s.
	A H - 421	7688.3	6942.22	57.43		52.3	55.6
	HIM - 129	6381.2	6534.44	56.44		47.2	50.4
	SURYA	4822.5	5786.67	54.02		50.3	53.3
C.D.(5%) Bi-Bj		610.5	574.36	3.94		0.5	1.7
C.V.(%) Error B		9.4	8.71	6.86		0.9	3.1
F(5%)		s	s	n.s.		s	s

N - Level	Germplasm	Plant Height(cm) Almora	Kangra	No. of Ears('000/ha) Almora	Kangra	Cob length (cm)	Cob Diometer (cm)
N40	A H - 421	249.7	257.7	67.59	60.87	12.9	12.3
	HIM - 129	219.7	232.7	70.37	56.73	11.8	12.0
	SURYA	223.3	243.0	63.43	58.57	11.8	11.4
N100	A H - 421	251.0	255.7	70.37	56.93	13.1	12.2
	HIM - 129	221.3	221.7	69.91	54.40	11.8	12.3
	SURYA	229.7	251.3	64.81	55.20	12.3	11.6
N160	A H - 421	260.7	266.3	67.59	52.60	13.0	12.9
	HIM - 129	227.0	225.7	68.98	54.13	12.5	13.0
	SURYA	237.3	255.3	65.28	49.53	12.0	11.5

A-35

Location Mean	235.5	245.5	67.59	55.44	12.4	12.1
C.D.(5%) AiBj-AiBk	17.9	17.4	6.23	8.15	1.1	0.9
C.D.(5%) AiBk-AjBk	21.5	16.9	5.92	6.81	1.4	1.1
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 40	230.9	244.4	67.13	58.72	12.2	11.9
N 100	234.0	242.9	68.36	55.51	12.4	12.0
N 160	241.7	249.1	67.28	52.09	12.5	12.4
C.D.(5%) Ai-Aj	16.0	9.3	3.09	1.51	1.1	0.9
C.V.(%) Error A	5.2	2.9	3.49	2.08	7.0	5.5
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.
A.H - 421	253.8	259.9	68.52	56.80	13.0	12.5
HIM - 129	222.7	226.7	69.75	55.09	12.0	12.4
SURYA	230.1	249.9	64.51	54.43	12.1	11.5
C.D.(5%) Bi-Bj	10.4	10.1	3.60	4.70	0.7	0.5
C.V.(%) Error B	4.3	4.0	5.18	8.26	5.2	4.3
F(5%)	s	s	s	n.s.	s	s

TABLE 15 Relative performance of pre release germplasm of Extra Early Maturity at different levels of nitrogen during kharif 2002 in Zone II

N - Level	Germplasm	Grain Yield (kg/ha) Karnal	Ludh	Plant Stand('000/ha) Karnal	Ludh	Days to 50% Silking Karnal	Ludh
N-60	A H - 421	3361.011	2747.2	53.67	60.83	50.3	52.7
	HIM - 129	2375.51	1866.7	53.67	57.50	45.3	50.0
	SURYA	3204.819	2266.7	53.00	58.61	46.7	51.3
N-120	A H - 421	5025.362	3608.3	53.00	61.11	51.3	52.3
	HIM - 129	3821.739	1977.8	53.00	56.67	46.3	49.0
	SURYA	4111.969	2913.9	51.00	60.00	47.7	49.7
N-180	A H - 421	6133.829	3822.2	53.00	61.94	52.3	51.0
	HIM - 129	5622.49	2472.2	52.67	60.00	47.3	45.7
	SURYA	4904.382	3166.7	53.33	62.22	48.7	47.3
Location Mean		4304.989	2760.2	52.93	59.88	48.4	49.9
C.D.(5%) AiBj-AiBk		322.7987	520.7	3.18	4.87	1.2	1.1
C.D.(5%) AiBk-AjBk		306.7566	938.2	2.86	7.09	1.1	1.2
F(5%)		s	n.s.	n.s.	n.s.	n.s.	s
N 60		2997.406	2293.5	53.44	58.98	47.4	51.3
N 120		4354.248	2833.3	52.33	59.26	48.4	50.3
N 180		5566.97	3153.7	53.00	61.39	49.4	48.0
C.D.(5%) Ai-Aj		159.9952	842.1	1.22	5.93	0.4	0.8
C.V.(%) Error A		3.326706	23.3	1.76	7.56	0.7	1.2
F(5%)		s	n.s.	n.s.	n.s.	s	s
A H - 421		4827.251	3392.6	53.22	61.30	51.3	52.0
HIM - 129		3951.657	2105.6	53.11	58.06	46.3	48.2
SURYA		4076.416	2782.4	52.44	60.28	47.7	49.4
C.D.(5%) Bi-Bj		186.3679	300.6	1.84	2.81	0.7	0.6
C.V.(%) Error B		4.936747	10.6	3.38	4.57	1.4	1.2
F(5%)		s	s	n.s.	n.s.	s	s

N - Level	Germplasm	Plant HT (cm) Ludh	No. of Ears ('000/ha) Ludh
N-60	A H - 421	145.0	62.78
	HIM - 129	131.7	61.39
	SURYA	135.0	57.78
N-120	A H - 421	151.7	61.67
	HIM - 129	138.3	56.67
	SURYA	141.7	59.72
N-180	A H - 421	158.3	62.50
	HIM - 129	146.7	63.06
	SURYA	153.3	63.06

A-37

Location Mean		144.6	60.96
C.D.(5%) AiBj-AiBk		7.6	6.34
C.D.(5%) AiBk-AjBk		8.1	13.20
F(5%)		n.s.	n.s.
N 60		137.2	60.65
N 120		143.9	59.35
N 180		152.8	62.87
C.D.(5%) Ai-Aj		5.3	12.20
C.V.(%) Error A		2.8	15.30
F(5%)		s	n.s.
A H - 421		151.7	62.31
HIM - 129		138.9	60.37
SURYA		143.3	60.19
C.D.(5%) Bi-Bj		4.4	3.66
C.V.(%) Error B		2.9	5.84
F(5%)		s	n.s.

TABLE 16 Relative performance of pre release germplasm of Extra Early Maturity at different levels of nitrogen during kharif 2002 in Zone III

		Grain Yield (kg/ha)		Plant Stand('000/ha)		Days to 50% Silking	
N - Level	Germplasm	Baharaich	Jashipur	Baharaich	Jashipur	Baharaich	Jashipur
N40	D - 994	2881.94	2530.0	76.38889	62.7	53	43.66667
	D - 995	2145.83	2340.0	67.36111	65.1	51	42.66667
	HIM - 129	3173.61	2160.0	77.08333	62.7	53	40.66667
	SURYA	2361.11	2316.7	68.8	62.96667	55.0	43
	BAU (FS) V1	2548.61	2853.3	68.1	64.03333	55.0	45
N100	D - 994	4395.83	3810.0	74.3	63.5	52.0	42.33333
	D - 995	4013.89	3553.3	66.7	64.03333	51 0	42.33333
	HIM - 129	4750.00	3433.3	73.6	64.83333	50.0	39.66667
	SURYA	4020.83	3406.7	66.0	65.1	51 0	41.33333
	BAU (FS) V1	4111.11	3850.0	70.1	64.3	51.0	43.33333
N160	D - 994	5041.67	3920.0	73.6	65.1	51 0	42
	D - 995	4756.94	3740.0	67.4	64.83333	54.0	41.33333
	HIM - 129	5611.11	3326.7	75.7	63.76667	51.0	38.33333
	SURYA	4798.61	3546.7	68.1	62.7	51.0	41.33333
	BAU (FS) V1	4770.83	4190.0	70.1	64.56667	54.0	43
Location Mean		3958.80	3265.1	70.9	64.01556	52.2	42
C.D.(5%) AiBj-AiBk		339.63	330.9	2.4	2.70761	1.5	2.232911
C.D.(5%) AiBk-AjBk		335.39	389.3	2.4	2.72947	1.4	2.409775
F(5%)		n.s.	n.s.	n.s.	n.s.	s	n.s.
N 40		2622.22	2440.0	71.5	63.5	53.4	43
N 100		4258.33	3610.7	70.1	64.35333	51 0	41.8
N 160		4995.83	3744.7	71.0	64.19333	52 2	41.2
C.D.(5%) Ai-Aj		146.49	259.0	1.1	1.296348	0.5	1.384912
C.V.(%) Error A		3.65	7.8	1.6	1.997778	0.9	3.253
F(5%)		s	s	n.s.	n.s.	s	n.s.
D - 994		4106.48	3420.0	74.8	63.76667	52.0	42.66667
D - 995		3638.89	3211.1	67.1	64.65556	52.0	42.11111
HIM - 129		4511.57	2973.3	75.5	63.76667	51.3	39.55556
SURYA		3726.85	3090.0	67.6	63.58889	52.3	41.88889
BAU (FS) V1		3810.19	3631.1	69.4	64.3	53.3	43.77778
C.D.(5%) Bi-Bj		196.09	191.0	1.4	1.563239	0 9	1.289172
C.V.(%) Error B		5.09	6.0	2.0	2.509785	1.7	3.1547
F(5%)		s	s	s	n.s.	s	s

A-39

		Plant Height(cm)		No. of Ears('000/ha)	
N - Level	Germplasm	Baharaich	Jashipur	Baharaich	Jashipur
N40	D - 994	160.0	154.43	77.78	27.2
	D - 995	151.7	163.50	69.44	27.2
	HIM - 129	160.0	137.93	77.78	26.4
	SURYA	170.0	161.50	70.14	28.0
	BAU (FS) V1	175.0	174.00	69.44	31.7
N100	D - 994	168.3	161.03	75.69	32.5
	D - 995	156.7	148.47	68.06	31.2
	HIM - 129	185.0	147.30	75.69	31.4
	SURYA	181.7	161.97	68.06	31.7
	BAU (FS) V1	185.0	186.37	72.22	33.8
N160	D - 994	193.3	159.63	75.69	33.8
	D - 995	180.0	160.53	68.75	32.7
	HIM - 129	201.7	149.93	77.08	32.5
	SURYA	201.7	166.27	67.36	33.3
	BAU (FS) V1	198.3	184.10	71.53	35.1
Location Mean		177.9	161.13	72.31	31.2
C.D.(5%) AiBj-AiBk		11.9	12.84	2.41	2.4
C.D.(5%) AiBk-AjBk		11.4	14.45	2.80	2.9
F(5%)	n.s.	n.s.	n.s.	n.s.	
N 40		163.3	158.27	72.92	28.1
N 100		175.3	161.03	71.94	32.1
N 160		195.0	164.09	72.08	33.5
C.D.(5%) Ai-Aj		4.3	9.00	1.84	1.9
C.V.(%) Error A		2.4	5.51	2.50	6.1
F(5%)	s	n.s.	n.s.	s	
D - 994		173.9	158.37	76.39	31.2
D - 995		162.8	157.50	68.75	30.4
HIM - 129		182.2	145.06	76.85	30.1
SURYA		184.4	163.24	68.52	31.0
BAU (FS) V1		186.1	181.49	71.06	33.5
C.D.(5%) Bi-Bj		6.8	7.412	1.393	1.43
C.V.(%) Error B		4.0	4.728	1.980	4.72
F(5%)	s	s	s	s	

TABLE 16A Relative performance of pre release germplasm of Extra Early Maturity at different levels of nitrogen during kharif 2002 in Zone III at **Varanasi**

Germplasm	N Level	Grain Yield (kg/ha)	Stover Yield (kg/ha)	Plant Stand (th/ha)	Barren Plant (th/ha)	No. of Cobs (th/ha)
D - 994	N0	3295.33	5751.33	80.00	3.33	78.89
	N30	3474.67	5695.67	80.55	3.89	80.56
	N60	3579.33	5945.67	80.55	4.44	82.78
	N90	3862.00	5557.00	80.56	3.33	87.22
D - 995	N0	3047.00	5278.67	82.78	3.89	82.22
	N30	3311.00	5834.67	82.22	3.89	92.23
	N60	3507.33	5723.33	81.66	3.33	82.78
	N90	3546.67	5695.67	81.11	3.33	90.00
HIM - 129	N0	3235.00	4111.67	78.33	3.89	85.00
	N30	3204.00	4167.67	77.22	3.89	80.56
	N60	3083.00	4278.67	78.89	5.00	81.11
	N90	3048.67	3750.67	79.45	5.00	86.11
SURYA	N0	2241.67	3945.33	80.00	6.67	80.00
	N30	2422.67	3695.00	81.67	8.33	86.11
	N60	2580.33	4973.33	83.33	6.11	86.11
	N90	2699.67	4640.00	82.22	9.44	84.45
BAU (FS) V1	N0	2773.00	6418.00	78.33	7.22	76.11
	N30	3232.67	6306.67	77.22	7.22	80.00
	N60	3225.67	6279.33	79.45	6.11	78.89
	N90	3401.00	6612.33	78.89	6.67	85.00
Location Mean		3138.53	5233.03	80.22	5.25	83.31
C.D.(5%) AiBj-AiBk		600.73	737.26	5.53	4.11	10.75
C.D (5%) AiBk-AjBk		727.35	861.12	5.76	4.64	10.71
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
D - 994		3552.83	5737.42	80.42	3.75	82.36
D - 995		3353.00	5633.08	81.94	3.61	86.81
HIM - 129		3142.67	4077.17	78.5	4.44	83.20
SURYA		2486.08	4313.42	81.8	7.64	84.17
BAU (FS) V1		3158.08	6404.08	78.5	6.81	80.00
C.D.(5%) Ai-Aj		510.22	580.12	3.2	2.99	5.31
C.V.(%) Error A		17.27	11.78	4.3	60.41	6.77
F(5%)		s	s	n.s.	s	n.s.
N0		2918.40	5101.00	79.9	5.00	80.45
N30		3129.00	5139.93	79.8	5.4	83.89
N60		3195.13	5440.07	80.8	5.0	82.34
N90		3311.60	5251.13	80.4	5.6	86.56
C.D.(5%) Bi-Bj		268.65	329.71	2.5	1.84	4.8
C.V.(%) Error B		11.48	8.45	4.1	46.97	7.7
F(5%)		s	n.s.	n.s.	n.s.	n.s.

TABLE 17 Relative performance of pre release germplasm of Extra Early Maturity at different levels of nitrogen during kharif 2002 in Zone IV

N - Level	Germplasm	Yield (kg/ha) Karim	Kolha	Stand('000/ha) Karim	Kolh	No. of Ears('000/ha) Karimn	Kolh	Plant HT(cm) Karim	Kolha	Days to 50% Silkin
N 40	EC - 3108	1723.3	2131.1	35.16	52.00	36.19	51.11	143.5	144.3	56.7
	HIM - 129	1436.1	2568.9	30.45	50.89	32.28	50.67	135.8	152.0	54.3
	SURYA	1378.7	2288.9	33.89	52.44	35.50	51.33	137.0	138.3	56.3
	A H - 421	1895.7	2311.1	41.25	52.00	42.51	51.11	167.0	156.0	58.3
N 100	EC - 3108	2412.7	2791.1	37.66	51.33	37.22	50.44	153.3	165.7	56.7
	HIM - 129	1637.2	3322.2	29.64	50.89	29.53	50.89	152.8	158.7	53.7
	SURYA	1378.7	2748.9	29.64	52.44	29.30	51.78	149.3	156.7	57.3
	A H - 421	2699.9	3471.1	40.90	51.33	42.97	50.44	155.3	167.7	58.0
N 160	EC - 3108	3044.6	3775.6	40.56	52.22	44.12	51.33	155.8	170.0	55.7
	HIM - 129	2297.8	4235.6	34.81	49.56	35.73	49.56	153.5	157.0	53.0
	SURYA	1780.6	3095.6	38.95	52.22	41.25	51.11	157.0	164.3	54.3
	A H - 421	3504.1	4957.8	44.23	52.22	42.97	51.33	155.3	171.7	57.3
Location Mean		2099.1	3141.5	36.43	51.63	37.46	50.93	151.3	158.5	56.0
C.D.(5%) AiBj-AiBk		972.7	311.3	9.00	1.27	9.14	1.44	14.9	9.4	1.7
C.D.(5%) AiBk-AjBk		1116.2	296.7	8.39	1.58	8.48	1.45	15.3	10.4	2.0
F(5%)		n.s.	s	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 40		1608.5	2325.0	35.18	51.83	36.62	51.06	145.8	147.7	56.4
N 100		2032.1	3083.3	34.47	51.50	34.75	50.89	152.6	162.2	56.4
N 160		2656.8	4016.1	39.64	51.56	41.02	50.83	156.4	165.8	55.1
C.D.(5%) Ai-Aj		738.5	127.3	3.14	1.16	3.09	0.77	8.2	6.6	1.3
C.V.(%) Error A		40.7	3.6	9.96	1.98	9.54	1.33	6.3	3.7	2.1
F(5%)		s	s	s	n.s.	s	n.s.	n.s.	s	n.s.
EC - 3108		2393.5	2899.3	37.80	51.85	39.18	50.96	150.8	160.0	56.3
HIM - 129		1790.4	3375.6	31.63	50.44	32.51	50.37	147.3	155.9	53.7
SURYA		1512.7	2711.1	34.16	52.37	35.35	51.41	147.8	153.1	56.0
A H - 421		2699.9	3580.0	42.13	51.85	42.82	50.96	159.2	165.1	57.9
C.D.(5%) Bi-Bj		561.6	179.7	5.20	0.73	5.28	0.83	8.6	5.4	1.0
C.V.(%) Error B		31.9	5.8	17.02	1.43	16.81	1.65	6.8	3.5	1.8
F(5%)		s	s	s	s	s	n.s.	s	s	s

		Karim	Kolha	Karim	Kolha
		Days to 50%	Days to 50%	Plant HT	Ear HT
Germplasm	N Level	tasselling	Silking		at Harvest
D - 994	N0	46.3	49.7	208.2	80.9
	N30	45.7	49.3	208.2	89.3
	N60	45.0	49.0	202.7	85.6
	N90	44.0	48.7	202.0	83.7
D - 995	N0	43.3	48.0	207.6	85.9
	N30	43.3	49.3	205.0	85.2
	N60	43.7	48.3	199.0	79.8
	N90	42.7	48.3	209.7	90.4
HIM - 129	N0	43.7	48.0	195.0	80.9
	N30	43.3	47.3	199.8	76.8
	N60	42.7	48.3	198.4	70.4
	N90	43.7	49.0	189.1	72.0
SURYA	N0	46.7	51.0	195.6	81.6
	N30	47.0	51.7	191.0	63.2
	N60	45.0	50.0	198.4	74.0
	N90	47.3	52.3	206.6	73.3
BAU (FS) V1	N0	47.3	52.3	223.1	92.8
	N30	47.0	50.0	235.3	101.1
	N60	46.0	51.3	243.3	103.4
	N90	46.3	52.7	235.4	92.4
Location Mean		45.0	49.7	207.7	83.1
C.D.(5%) AiBj-AiBk		2.0	2.0	16.3	12.7
C.D.(5%) AiBk-AjBk		2.6	2.4	19.7	17.2
F(5%)		n.s.	n.s.	n.s.	n.s.
D - 994		45.3	49.2	205.3	84.9
D - 995		43.3	48.5	205.3	85.3
HIM - 129		43.3	48.2	195.58	75.0
SURYA		46.5	51.3	197.89	73.0
BAU (FS) V1		46.7	51.6	234.31	97.4
C.D.(5%) Ai-Aj		1.9	1.7	13.73	13.3
C.V.(%) Error A		4.5	3.6	7.02	17.0
F(5%)		s	s	s	s
N0		45.5	49.8	205.89	84.40
N30		45.27	49.53	207.87	83.13
N60		44.47	49.40	208.38	82.64
N90		44.80	50.20	208.56	82.38
C.D.(5%) Bi-Bj		0.9	0.89	7.31	5.69
C.V.(%) Error B		2.7	2.397928	4.72	9.17
F(5%)		n.s.	n.s.	n.s.	n.s.
		Days to 50%	Days to 50%	Plant HT	Ear HT
Germplasm	N Level	tasselling	Silking		at Harvest
D - 994	N0	46.3	49.7	208.2	80.9
	N30	45.7	49.3	208.2	89.3
	N60	45.0	49.0	202.7	85.6

	N90	44.0	48.7	202.0	83.7
D - 995	N0	43.3	48.0	207.6	85.9
	N30	43.3	49.3	205.0	85.2
	N60	43.7	48.3	199.0	79.8
	N90	42.7	48.3	209.7	90.4
HIM - 129	N0	43.7	48.0	195.0	80.9
	N30	43.3	47.3	199.8	76.8
	N60	42.7	48.3	198.4	70.4
	N90	43.7	49.0	189.1	72.0
SURYA	N0	46.7	51.0	195.6	81.6
	N30	47.0	51.7	191.0	63.2
	N60	45.0	50.0	198.4	74.0
	N90	47.3	52.3	206.6	73.3
BAU (FS) V1	N0	47.3	52.3	223.1	92.8
	N30	47.0	50.0	235.3	101.1
	N60	46.0	51.3	243.3	103.4
	N90	46.3	52.7	235.4	92.4
Location Mean		45.0	49.7	207.7	83.1
C.D.(5%) AiBj-AiBk		2.0	2.0	16.3	12.7
C.D.(5%) AiBk-AjBk		2.6	2.4	19.7	17.2
F(5%)		n.s.	n.s.	n.s.	n.s.
D - 994		45.3	49.2	205.3	84.9
D - 995		43.3	48.5	205.3	85.3
HIM - 129		43.3	48.2	195.58	75.0
SURYA		46.5	51.3	197.89	73.0
BAU (FS) V1		46.7	51.6	234.31	97.4
C.D.(5%) Ai-Aj		1.9	1.7	13.73	13.3
C.V.(%) Error A		4.5	3.6	7.02	17.0
F(5%)	s	s	s	s	
N0		45.5	49.8	205.89	84.40
N30		45.27	49.53	207.87	83.13
N60		44.47	49.40	208.38	82.64
N90		44.80	50.20	208.56	82.38
C.D.(5%) Bi-Bj		0.9	0.89	7.31	5.69
C.V.(%) Error B		2.7	2.397928	4.72	9.17
F(5%)	n.s.	n.s.	n.s.	n.s.	

TABLE 18 Relative performance of pre release QPM germplasm of at different levels of nitrogen during kharif 2002 in Zone II and Zone IV

		Ludhiana		Chindwara	
Main Plot	Sub Plot*	*Grain* Yield (kg/ha)	*Plant* Stand (th/ha)	*Grain* Yield (kg/ha)	*Plant* Stand (th/ha)
N60	DMR QPM 36	1372.22	51.11	3222.2	65.00
	DMR QPM 39	2325.00	66.67	2544.4	66.11
	DMR QPM 40	2502.78	54.44	2144.4	58.89
	DMR QPM 41	1800.00	69.17	2677.8	70.00
	DMR QPM 42	2669.44	68.33	2422.2	67.22
	DMR QPM 43	1838.89	60.83	2500.0	62.22
N120	DMR QPM 36	1244.44	58.06	3766.7	66.11
	DMR QPM 39	2866.67	66.94	4211.1	62.78
	DMR QPM 40	4100.00	61.67	2988.9	60.56
	DMR QPM 41	2391.67	62.50	2777.8	67.78
	DMR QPM 42	2975.00	67.22	3222.2	68.33
	DMR QPM 43	2494.44	62.50	2544.4	65.56
N180	DMR QPM 36	1655.56	57.78	4666.7	67.22
	DMR QPM 39	4161.11	68.33	5377.8	63.89
	DMR QPM 40	4733.33	61.39	3100.0	61.67
	DMR QPM 41	3019.44	69.72	3388.9	68.89
	DMR QPM 42	3613.89	65.56	3722.2	70.00
	DMR QPM 43	3222.22	67.22	2611.1	66.67
Location Mean		2721.45	63.30	3216.0	65.49
C.D.(5%) AiBj-AiBk		673.84	5.52	756.4	9.86
C.D.(5%) AiBk-AjBk		746.53	6.06	725.2	9.82
F(5%)		s	s	s	n.s.
N 60		2084.72	61.76	2585.2	64.91
N 120		2678.70	63.15	3251.9	65.19
N 180		3400.93	65.00	3811.1	66.39
C.D.(5%) Ai-Aj		435.1	3.47	229.2	4.05
C.V.(%) Error A		17.3	5.92	7.7	6.67
F(5%)		s	n.s.	s	n.s.
DMR QPM 36		1424.1	55.65	3885.2	66.11
DMR QPM 39		3117.6	67.31	4044.4	64.26
DMR QPM 40		3778.7	59.17	2744.4	60.37
DMR QPM 41		2403.7	67.13	2948.1	68.89
DMR QPM 42		3086.1	67.04	3122.2	68.52
DMR QPM 43		2518.5	63.52	2551.9	64.81
C.D.(5%) Bi-Bj		389.0	3.19	436.7	5.69
C.V.(%) Error B		14.9	5.23	14.1	9.03
F(5%)		s	s	s	s

*DMR QPM 36 Shaktiman 1
DMR QPM 39 CML 142 x CML 150
DMR QPM 40 CML 175 x CML 176
DMR QPM 41 (SO\SN BULK 2 SN5 CC-BULK 16 – 4-B-7-B-B-#-XO) X (SHAKTI SO\SN HE 25-#-CC BULK 50%-f-XO-3-B-2-B-#-XO)
DMR QPM 42 (SO\SN BULK 2 SN5 CC-BULK 16 – 4-B-7-B-B-#-XO) X (SHAKTI SO\SN HE 25-#-CC BULK 50%-f-XO-3-B-1-B-#-XO)
DMR QPM 43 SHAKTI 1

		Ludhiana			Chindwara		
Main Plot	Sub Plot*	N0. Of Cobs (th/ha)	Days to 50%Silking	Plant HT (cm)	No. of Ears (th/ha)	Days to 50% Silking	Plant HT (cm)
N60	DMR QPM 36	35.28	61.67	135.00	60.56	64.7	138.3
	DMR QPM 39	62.78	63.33	143.33	46.67	64.0	145.0
	DMR QPM 40	50.56	60.00	138.33	38.89	63.3	136.3
	DMR QPM 41	67.78	55.00	120.00	62.78	55.3	135.7
	DMR QPM 42	66.11	55.33	125.00	60.56	54.3	142.0
	DMR QPM 43	55.83	54.67	123.33	51.67	55.7	134.7
N120	DMR QPM 36	35.83	60.67	143.33	58.89	61.7	146.7
	DMR QPM 39	63.33	62.67	146.67	55.00	63.0	158.0
	DMR QPM 40	60.83	58.00	148.33	42.22	61.3	141.7
	DMR QPM 41	60.83	53.33	130.00	63.89	55.0	139.3
	DMR QPM 42	63.33	54.67	131.67	61.11	54.0	133.0
	DMR QPM 43	55.28	54.00	133.33	56.67	54.0	136.3
N180	DMR QPM 36	42.22	59.67	148.33	62.78	61.7	144.7
	DMR QPM 39	66.39	61.33	160.00	61.11	61.7	161.7
	DMR QPM 40	59.44	57.67	156.67	53.33	60.0	155.3
	DMR QPM 41	71.67	51.67	140.00	65.56	52.7	144.7
	DMR QPM 42	63.33	54.33	151.67	62.22	52.0	145.7
	DMR QPM 43	62.50	52.67	148.33	58.33	53.7	140.7
Location Mean		57.96	57.26	140.19	56.79	58.2	143.3
C.D.(5%) AiBj-AiBk		5.47	1.62	10.61	11.97	2.8	10.3
C.D.(5%) AiBk-AjBk		6.03	1.90	9.98	12.51	3.5	10.6
F(5%)		s	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		56.39	58.33	130.83	53.52	59.6	138.7
N 120		56.57	57.22	138.89	56.30	58.2	142.5
N 180		60.93	56.22	150.83	60.56	56.9	148.8
C.D.(5%) Ai-Aj		3.47	1.2	2.5	6.27	2.5	5.0
C.V.(%) Error A		6.47	2.3	1.9	11.93	4.7	3.8
F(5%)		s	s	s	n.s.	n.s.	s
DMR QPM 36		37.78	60.7	142.2	60.74	62.7	143.2
DMR QPM 39		64.17	62.4	150.0	54.26	62.9	154.9
DMR QPM 40		56.94	58.6	147.8	44.81	61.6	144.4
DMR QPM 41		66.76	53.3	130.0	64.07	54.3	139.9
DMR QPM 42		64.26	54.8	136.1	61.30	53.4	140.2
DMR QPM 43		57.87	53.8	135.0	55.56	54.4	137.2
C.D.(5%) Bi-Bj		3.16	0.9	6.1	6.91	1.6	5.9
C.V.(%) Error B		5.66	1.7	4.5	12.65	2.9	4.3
F(5%)		s	s	s	s	s	s

Table 19 Relative performance of Pre-release germplasm of full maturity at different lands of Nitrogen at Srinagar (J&K)

Factor A	Factor B	Grain Yield (kg/ha)	Plant Stand (th/ha)	Days to 50% Silking	Plant HT (cm)	No. of Ears (th/ha)
N60	GANGA 11	3672	64.82	70.66	259.0	50.00
	DECCAN 103	4352	67.22	70.00	250.0	54.94
	PRO 311	3241	64.19	70.00	208.3	44.44
	F 7013	2901	72.22	75.33	221.6	51.23
	PRABHAT	2994	66.67	72.00	258.3	45.68
	PRO 339	4660	63.57	72.35	208.3	43.83
	F 7012	3426	59.88	71.66	220.0	45.68
N120	GANGA 11	4691	67.28	69.33	220.6	51.23
	DECCAN 103	4876	66.04	68.00	230.0	58.64
	PRO 311	4105	64.19	69.00	215.0	56.79
	F 7013	3611	72.22	73.00	198.3	66.67
	PRABHAT	3796	61.72	68.33	224.3	45.68
	PRO 339	5154	69.74	70.66	199.3	47.53
	F 7012	4197	58.63	70.66	205.0	46.91
N180	GANGA 11	2253	61.11	71.33	250.0	46.91
	DECCAN 103	4012	62.33	70.33	259.3	58.52
	PRO 311	3734	64.82	71.33	254.3	46.91
	F 7013	3179	64.82	74.66	245.0	51.85
	PRABHAT	3302	61.11	71.33	258.0	47.53
	PRO 339	4105	65.43	71.66	239.0	41.97
	F 7012	3364	62.96	72.33	219.3	41.36
CD	870	4.45	2.32	10.87		
CV(%)	10.96	7.49	1.55	2.23		

Table 20 Agronomic evaluation of maize varieties for Babycorn purpose at Bajaura

Treatments	Babycorn Yield (kg/ha)	Yield with Husk (kg/ha)	Plant Stand (th/ha)	Fodder Yield (q/ha)	No. of Ears per Plant	Cob Length (cm)	Plant HT (cm)
VL-78	1817.4	8694.7	125.67	222.0	3.2	20.1	147.0
HIM-123	1380.2	8282.0	125.67	234.3	2.6	16.5	147.0
FH-3176	1271.8	6956.3	127.33	313.7	2.4	15.5	146.7
FH-3054	1465.1	7896.3	126.67	250.0	2.8	15.0	165.7
DMR-1066	1015.9	5918.7	125.33	301.7	2.0	20.3	161.0
DMR-68	1355.9	7597.3	125.00	258.0	2.5	18.2	149.7
DMR-1.68	1131.3	7107.0	126.67	270.3	2.2	18.3	155.0
VL-42	1426.2	7214.7	127.00	222.3	2.5	16.6	131.3
Early Composite	913.1	7314.0	125.67	393.7	1.4	20.7	184.7
C.D.(5%)	191.2	856.3	3.58	21.9	0.4	1.8	9.6
C.V.(%)	8.4	6.6	1.64	4.6	10.4	5.7	3.6
F(5%)	S	S	N.S.	S	S	S	S

Table 21 Effect of Sowing Date on performance Varieties at Ludhiana

Sowing Date	Germplasm	Grain Yield (kg/ha)	Plant Stand (th/ha)	N0. Of Cobs (th/ha)	Days to 50% Silking	Plant HT
1-Jun	Paras	6420.5	74.49	79.97	58.3	188.3
	as 72-A	7091.8	77.02	79.34	60.0	198.3
	Hi-Shell	6222.6	77.44	80.81	62.7	191.7
	JH 1479	6645.6	74.71	77.44	61.3	200.0
	JH 10503	5913.3	73.02	69.02	58.3	195.0
20-Jun	Paras	6896.0	71.13	74.07	58.3	185.0
	as72-A	7264.3	71.13	72.39	59.0	181.7
	Hi-Shell	6824.5	73.23	77.65	60.7	181.7
	Jh 1479	6313.1	72.39	76.39	60.0	186.7
	JH10503	6616.2	70.92	72.60	59.7	183.3
10-Jul	Paras	5911.2	63.13	60.82	56.3	181.7
	as72-A	5505.1	65.87	64.81	56.0	178.3
	Hi-Shell	5437.7	72.60	72.60	58.7	175.0
	Jh 1479	6713.0	70.92	69.44	56.7	183.3
	JH10503	5917.5	73.86	71.97	57.7	188.3
Location Mean		6379.5	72.12	73.29	58.9	186.6
C.D.(5%) AiBj-AiBk		1185.5	4.69	5.26	1.2	9.5
C.D.(5%) AiBk-AjBk		1119.0	5.78	7.55	1.4	10.2
F(5%)		n.s.	s	s	s	n.s.
1-Jun		6458.8	75.34	77.31	60.1	194.7
20-Jun		6782.8	71.76	74.62	59.5	183.7
10-Jul		5896.9	69.28	67.93	57.1	181.3
C.D.(5%) Ai-Aj		369.1	3.88	6.01	0.9	5.8
C.V.(%) Error A		5.7	5.30	8.09	1.5	3.0
F(5%)		s	s	s	s	s
Paras		6409.2	69.58	71.62	57.7	185.0
as72-A		6620.4	71.34	72.18	58.3	186.1
Hi-Shell		6161.6	74.42	77.02	60.7	182.8
Jh 1479		6557.2	72.67	74.42	59.3	190.0
JH10503		6149.0	72.60	71.20	58.6	188.9
C.D.(5%) Bi-Bj		684.5	2.82	3.04	0.7	5.5
C.V.(%) Error B		11.0	4.02	4.26	1.2	3.0
F(5%)		n.s.	s	s	s	n.s.

Table 22 Effect Sowing Date and Methods of Sowing on the permance of maize at Ludhiana

Date of Sowing	Sowing Method	Grain Yield (kg/ha)	Plant Stand (th/ha)	N0. Of Cobs (th/ha)	Plant HT (cm)	Days to 50% Silking
1-Jun	Flatsny- Earthing up	6291.1	56.42	57.3	191.7	55.7
	Ridge sowing	5987.3	56.42	53.4	198.3	55.3
	Trench sowing	6870.2	53.57	55.1	196.7	54.7
	Trench sowing - Eaithing up	6915.1	54.92	53.3	195.0	54.3
	Reised bed sowing	6322.5	56.12	57.6	201.7	56.0
	Raised bed my - Earthing up	6409.3	55.07	55.2	196.7	56.0
20-Jun	Flatsny- Earthing up	6353.9	55.67	59.4	185.0	56.7
	Ridge sowing	6273.1	52.23	53.6	186.7	55.0
	Trench sowing	6757.9	49.83	50.7	185.0	55.3
	Trench sowing - Eaithing up	7025.8	50.28	50.6	185.0	55.3
	Reised bed sowing	6597.8	51.48	51.8	183.3	55.0
	Raised bed my - Earthing up	6769.9	52.38	51.8	191.7	55.0
10-Jul	Flatsny- Earthing up	6123.5	51.48	51.8	186.7	57.3
	Ridge sowing	5541.3	46.84	47.1	181.7	57.3
	Trench sowing	6113.0	47.59	48.0	181.7	57.3
	Trench sowing - Eaithing up	5979.8	48.04	48.0	180.0	56.0
	Reised bed sowing	5523.4	45.79	45.5	180.0	57.0
	Raised bed my - Earthing up	5996.3	47.44	47.7	183.3	57.7
C.D.(5%) AiBj-AiBk		886.7	3.37	4.4	11.8	1.4
C.D.(5%) AiBk-AjB		967.9	3.37	6.3	11.7	1.3
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
1-Jun		6465.9	55.42	55.3	196.7	55.3
20-Jun		6629.8	51.98	53.0	186.1	55.4
10-Jul		5879.5	47.86	48.0	182.2	57.4
C.D.(5%) Ai-Aj		546.2	1.43	5.0	4.7	0.4
C.V.(%) Error A		9.3	2.98	10.3	2.7	0.8
F(5%)		s	s	s	s	s
Flatsny- Earthing up		6256.1	54.52	56.2	187.8	56.6
Ridge sowing		5933.9	51.83	51.4	188.9	55.9
Trench sowing		6580.4	50.33	51.3	187.8	55.8
Trench sowing -Eaithing up		6640.2	51.08	50.6	186.7	55.9
Reised bed sowing		6147.9	51.13	51.63	188.3	56.0
Raised bed my -Earthing up		6391.8	51.63	51.58	190.6	56.2
C.D.(5%) Bi-Bj		512.0	1.943328	2.5	6.8	0.8
C.V.(%) Error B		8.4	3.9	5.1	3.8	1.5
F(5%)	n.s. s	s	n.s.	n.s.		

Table 23 Studies on sowing methods in maize at Chindwara

Treatments	Grain Yield (kg/ha)	Plant Stand (th/ha)	No. of Ears (th/ha)	Days to 50% Silking	Plant HT (cm)
T1	4975.0	61.46	54.38	56.5	192.0
T2	4662.5	61.46	55.00	57.8	190.3
T3	4554.2	59.79	55.00	59.3	190.3
T4	3979.2	56.67	53.33	59.3	191.0
T5	5450.0	62.50	56.67	55.0	199.7
T6	4975.0	61.67	57.08	54.0	201.0
Location Mean	4766.0	60.59	55.24	57.0	194.1
CD at 5%	462.5	5.88	5.01	1.7	13.6
CV %	6.4	6.44	6.02	2.0	3.9
F(5%)	S	N.S.	N.S.	S	N.S.

T1 –Flat sowing followed by earthing up

T2-Trench sowing/seed in the bottom of furrow

T3- Trench sowing/seed in the bottom of furrow followed by earthing up

T4-Ridge sowing (dabbling on the top of the ridge)

T5- Ridge sowing (dabbling in the side of the ridge)

T6-Raised bed sowing /broad base bed

Table 24 Effect of nitrogen on the performance of full season varieties at Ludhiana

Main Plot	Sub Plot	Grain Yield (kg/ha)	Plant Stand (th/ha)	NO. Of Cobs (th/ha)	Days to 50%Silking	Plant HT (cm)
N120	Paras	5352.8	60.0	63.33	60.67	183.3
	9572-A	6336.1	62.5	66.11	60.67	181.7
	Hi-Shell	5244.4	66.7	66.11	62.33	180.0
	JH 10535	4961.1	63.8	62.22	61.67	180.0
	JH 10543	5052.8	60.6	61.11	61.67	175.0
	JH 10521	5450.0	63.6	66.11	63.67	183.3
N180	Paras	5952.8	63.1	66.11	60.33	193.3
	9572-A	6761.1	65.6	68.33	60.33	188.3
	Hi-Shell	5650.0	65.0	67.78	60.33	183.3
	JH 10535	6625.0	61.4	64.17	59.67	186.7
	JH 10543	5788.9	60.6	63.33	60.00	185.0
	JH 10521	6161.1	62.5	64.44	61.67	185.0
N240	Paras	5805.6	59.4	65.00	57.67	201.7
	9572-A	6466.7	66.1	69.44	58.67	191.7
	Hi-Shell	5758.3	66.9	71.11	59.00	190.0
	JH 10535	5633.3	62.5	62.50	58.67	190.0
	JH 10543	5358.3	63.1	63.61	58.33	191.7
	JH 10521	6197.2	60.8	62.50	60.67	198.3
C.D.(5%) AiBj-AiBk		753.9	6.3	8.23	1.55	7.4
C.D.(5%) AiBk-AjBk		757.2	7.3	8.84	1.55	7.1
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
N 120		5399.5	62.8	64.17	61.78	180.6
N 180		6156.5	63.0	65.69	60.39	186.9
N 240		5869.9	63.1	65.69	58.83	193.9
C.D.(5%) Ai-Aj		326.1	4.6	4.80	0.67	2.4
C.V.(%) Error A		6.1	7.9	7.96	1.20	1.4
F(5%)		s	n.s.	n.s.	s	s
Paras		5703.7	60.8	64.81	59.56	192.8
9572-A		6521.3	64.7	67.96	59.89	187.2
Hi-Shell		5550.9	66.2	68.33	60.56	184.4
JH 10535		5739.8	62.5	62.96	60.00	185.56
JH 10543		5400.0	61.4	62.69	60.00	183.89
JH 10521		5936.1	62.3	64.35	62.00	188.89
C.D.(5%) Bi-Bj		435.2	3.7	4.75	0.89	4.24
C.V.(%) Error B		7.8	6.0	7.6	1.5	2.36
F(5%)		s	s	n.s.	s	s

Table 25 Effect of nitrogen on the performance of early season varieties at Ludhiana

Main Plot	Sub Plot	Grain Yield (kg/ha)	NO. Of Cobs (th/ha)	Plant Stand (th/ha)	Days to 50%Silking	Plant HT (cm)
N40	Parkash	3055.6	69.17	65.83	54.0	153.3
	JH3459	3255.6	68.89	64.17	53.7	155.0
	JH3851	3405.6	67.78	65.28	54.7	150.0
	JH3854	3583.3	71.39	68.06	54.7	148.3
N100	Parkash	4750.0	65.28	63.61	52.3	161.7
	JH3459	4763.9	62.50	62.50	53.3	163.3
	JH3851	5722.2	66.11	64.17	54.0	156.7
	JH3854	4919.4	70.28	63.33	53.7	161.7
N160	Parkash	5405.6	70.56	63.61	51.7	168.3
	JH3459	5211.1	64.44	62.50	52.0	170.0
	JH3851	5944.4	65.28	64.72	52.7	166.7
	JH3854	5686.1	66.94	64.17	53.7	175.0
Location Mean		4641.9	67.38	64.33	53.4	160.8
C.D.(5%) AiBj-AiBk		824.8	7.12	6.57	0.9	9.9
C.D.(5%) AiBk-AjBk		946.7	7.30	7.44	0.9	9.7
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
N 40		3325.0	69.31	65.83	54.3	151.7
N 100		5038.9	66.04	63.40	53.3	160.8
N 160		5561.8	66.81	63.75	52.5	170.0
C.D.(5%) Ai-Aj		634.4	4.00	4.89	0.4	4.6
C.V.(%) Error A		12.1	5.24	6.71	0.6	2.5
F(5%)		s	n.s.	n.s.	s	s
Parkash		4403.7	68.33	64.35	52.7	161.1
JH3459		4410.2	65.28	63.06	53.0	162.8
JH3851		5024.1	66.39	64.72	53.8	157.8
JH3854		4729.6	69.54	65.19	54.0	161.7
C.D.(5%) Bi-Bj		476.2	4.11	3.79	0.5	5.7
C.V.(%) Error B		10.4	6.16	5.95	1.0	3.6
F(5%)		s	n.s.	n.s.	s	n.s.

Table 26 Effect of Spcing x Nitrogen on the productivity of Inbreds (parents of H 6805) at Ludhiana

Main Plot	Sub Plot	Grain Yield (kg/ha)	Plant Stand (th/ha)	N0. Of Cobs (th/ha)	Days to 50%Silking	Plant HT (cm)
N Level kg/ha	Spacingx Inbred	Yield kg/ha	Stand ,000/ha	Cobs ,ooo/ha	Days to 50% silk	Plant Ht. cm
N60	60x15 cm J54 M	2158.3	70	70.6	63.7	121.7
	60x15 cm Suan F	1911.1	69.2	62.8	68.7	135.o
	60x20 cm J54 M	1627.8	62.5	53.6	64.0	113.3
	60x20 cm Suan F	1752.8	56.4	51.7	69.0	128.3
N120	60x15 cm J54 M	2900.0	71.1	73.9	62.7	131.7
	60x15 cm Suan F	2538.9	70.0	69.4	67.3	148.3
	60x20 cm J54 M	2633.3	59.2	53.6	63.0	120.0
	60x20 cm Suan F	2861.1	60.6	56.9	67.7	141.7
N180	60x15 cm J54 M	3150.0	72.8	72.8	61.7	138.3
	60x15 cm Suan F	3058.3	67.5	69.4	65.7	155.0
	60x20 cm J54 M	2525.0	63.1	56.1	62.3	135.0
	60x20 cm Suan F	2811.1	59.4	56.7	66.7	151.
7						
C.D.(5%) AiBj-AiBk		657.5	3.84	5.15	0.9	7.4
C.D.(5%) AiBk-AjBk		942.1	5.98	4.8	40.8	8.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
N 60		1862.5	64.51	59.65	66.3	124.6
N 120		2733.3	65.21	63.47	65.2	135.4
N 180		2886.1	65.69	63.75	64.1	145.0
C.D.(5%) Ai-Aj		761.8	5.03	1.94	0.4	5.9
C.V.(%) Error A		27.0	6.82	2.74	0.5	3.9
F(5%)		s	n.s.	s	s	s
60x15 cm J54 M		2736.1	71.30	72.41	62.7	130.6
60x15 cm Suan F		2502.8	68.89	67.22	67.2	146.1
60x20 cm J54 M		2262.0	61.57	54.44	63.1	122.8
60x20 cm Suan F		2475.0	58.80	55.09	67.8	140.6
C.D.(5%) Bi-Bj		379.6	2.22	2.97	0.5	4.3
C.V.(%) Error B		15.4	3.43	4.62	0.8	3.2
F(5%)		n.s.	s	s	s	s

Table 27 Relative performance of maize inbreds to nitrogen levels at Almora

N Level	Germplasm	Grain Yield (Kg/ha)	No. of Ears (th/ha)	Cob Length (cm)	Cob Diameter (cm)	Plant Height (cm)	Days to 50% Silking	No. of Grains per cob	1000 gr. wt (gm)
N90	CM 212	1533.3	49.26	8.7	10.5	182.7	55	290.3	146.5
	CM 145	1729.6	58.15	8.1	10.5	143.0	52	253.0	160.4
	V 25	2314.8	74.81	9.8	9.3	186.3	53	247.0	165.0
N120	CM 212	1822.2	47.78	8.9	10.7	184.7	55	299.3	148.0
	CM 145	1963.0	63.33	7.9	10.4	144.3	52	279.0	177.7
	V 25	2588.9	80.00	9.9	9.1	191.3	53.0	254.7	171.7
N150	CM 212	2111.1	57.04	9.1	10.5	189.0	54.0	311.3	152.3
	CM 145	2296.3	63.33	8.3	11.1	148.3	52.3	279.0	180.7
	V 25	2688.9	81.11	9.5	9.2	191.0	53.0	258.0	168.3
N180	CM 212	2785.2	65.19	9.2	10.1	189.0	53.7	305.7	158.1
	CM 145	2607.4	65.19	8.1	10.9	142.7	51.0	268.7	190.0
	V 25	2840.7	81.48	10.3	9.4	194.7	52.3	263.0	165.3
C.D.(5%) AiBj-AiBk		638.9	7.67	0.8	0.8	9.6	1.0	51.2	9.7
C.D.(5%) AiBk-AjBk		698.0	9.34	0.9	0.9	9.7	0.9	55.6	10.0
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	s
N 90		1859.3	60.74	8.9	10.1	170.7	53.1	263.4	157.3
N 120		2124.7	63.70	8.9	10.1	173.4	53.2	277.7	165.8
N 150		2365.4	67.16	9.0	10.2	176.1	53.1	282.8	167.1
N 180		2744.4	70.62	9.2	10.1	175.4	52.3	279.1	171.1
C.D.(5%) Ai-Aj		466.3	6.96	0.5	0.6	5.7	0.2	36.9	6.0
C.V.(%) Error A		17.8	9.20	5.2	5.2	2.9	0.4	11.6	3.2
F(5%)		s	n.s.	n.s.	n.s.	n.s.	s	n.s.	s
	CM 212	2063.0	54.81	9.0	10.4	186.3	54.3	301.7	151.2
	CM 145	2149.1	62.50	8.1	10.7	144.6	51.8	269.9	177.2
	V 25	2608.3	79.35	9.9	9.3	190.8	52.8	255.7	167.6
C.D.(5%) Bi-Bj		319.5	3.83	0.4	0.4	4.8	0.50	25.6	4.9
C.V.(%) Error B		16.2	6.76	5.2	4.6	3.2	1.09	10.7	3.4
F(5%)		s	s	s	s	s	s	s	s

Table 28 Studies on intercropping and in situ green manuring in maize based cropping System at Bajaura

Treatments	*Maize Equivalent Yield (q/ha)	Stand (th/ha)	No. of Cobs (th/ha)	Plant HT (cm)
Pure Maize Without FYM	61.71	69.26	68.71	158.3
Pure maize (FYM 5t/ha oven dry basis)	62.56	71.34	70.49	153.7
Maize + Cowpea (GM)	60.13	65.06	64.22	147.0
Maize + Cowpea (Grain Crop)	69.18	69.09	67.35	140.3
Maize + Soybean (GM)	69.04	66.14	65.43	150.3
Maize + Soybean (Grain Crop)	64.76	66.14	65.43	136.7
Maize + Sunnhemp (GM)	58.24	57.81	57.17	138.0
C.D.(5%)	9.80	6.71	6.74	9.1
C.V.(%)	8.70	5.68	5.78	3.5
F(5%)	N.S.	S	S	S

Note- Prices of grains (Rs./q) Maize=550, Cowpea=2000, Soybean=1600

Table 29 Effect of intercropping soybean in maize at Godhra

Treatment	Maize Yield (kg/ha)	Soybean Yield (kg/ha)	Maize Fodder Yield (kg/ha)	Soybean Fodder Yield (kg/ha)	Maize Plant Stand (th/ha)	Soybean Plant Stand (th/ha)
Sole Crop	3009.3	792.6	4201.4	937.5	85.65	149.4
Maize - Soybean 1:1	1831.0	398.1	2581.0	491.9	49.07	76.5
Maize-Soybean 2:1	2488.4	202.5	3518.5	248.8	64.70	39.7
Maize- Soybean 3:1	2517.4	218.8	3518.5	260.4	65.74	42.8
Maize-Soybean 2:2	1776.6	381.9	2523.1	486.1111	45.25	73.26389
CD (5%)	117.2	47.3	133.0	63	5.33	6.9
CV (%)	3.3	7.7	2.6	8	5.57	5.8
F(5%)	S	S	S	S	S	S

Table 30 Integrated weed management in maize+ legume intercropping at Kangra

Treatment	Maize Grain Yield (q/ha)	Maize Equivalent Yield (q/ha)	Weed Count (50x50 cm)	Weed Dry Matter (wt) (gm)
Sole maize weedy check	32.60	42.6	303	84.2
Sole maize hand weeding 20 DAS	51.60	55.9	234	72.3
Sole maize Alachlor	56.67	56.7	195	64.5
Sole maize Pedimethalin	51.30	56.3	257	72.9
Maize + Soybean alternate row weedy check	41.47	47.7	264	74.1
Maize + Soybean alternate row hand weeding	57.07	66.5	239	62.3
Maize + Soybean altername row Alachlor	63.37	70.0	184	56.9
Maize + Soybean alternate row Pendimethalin	57.77	62.3	233	61.7
Maize + Soybean alternate row Alachlor + HW	66.67	76.7	161	51.5
Maize + Soybean alternate row Pendimethalin + HW	65.90	72.8	214	59.8
Maize + Mash alternate row weedy check	41.73	42.6	290	81.6
Maize + Mash alternate row hand Weeding	58.13	60.8	215	60.4
Maize + Mash alternate row Alachlor	59.63	63.7	192	57.3
Marze + Mash alternate row Pendimethalin	51.47	52.5	209	60.5
Maize + Mash alternate row Alachlor + HW	70.40	73.1	157	53.7
Maize + Mash alternate row Pendimethalin + HW	58.13	60.6	192	58.1
C.D.(5%)	6.19	6.7	35	7.7
C.V.(%)	6.72	6.7	10	7.1
F(5%)	S	S	S	S

Table 31 Rice Miaze Intercropping at varanasi

Crop Geometry	Fertility Levels	Ear Ht at Harvest (cm)	Stover Yield (q/ha)	Maize Grain Equivalent Yield(q/ha)
M1	F1	78.6	82.7	62.4
	F2	87.8	106.9	77.9
	F3	79.6	82.8	60.7
	F4	81.3	100.8	74.4
M2	F1	78.4	79.2	60.8
	F2	84.2	93.1	69.4
	F3	73.3	88.5	65.0
	F4	75.1	98.1	73.3
M3	F1	87.3	84.8	65.3
	F2	82.0	88.4	67.0
	F3	89.5	76.7	58.3
	F4	76.8	83.1	64.0
M4	F1	75.1	86.2	66.9
	F2	80.4	93.3	70.8
	F3	77.9	77.9	59.1
	F4	81.7	70.8	56.2
CDab(5%)		11.0	16.5	11.3
F(5%)		n.s.	n.s.	n.s.
M1		81.8	93.3	68.9
M2		77.8	89.7	67.1
M3		83.9	83.2	63.7
M4		78.8	82.1	63.3
CDa (5%)		5.5	8.3	5.7
F(5%)		n.s.	s	n.s.
F1		79.8	83.2	63.8
F2		83.6	95.4	71.3
F3		80.1	81.5	60.8
F4		78.7	88.2	67.0
CDb(5%)		5.5	8.3	5.7
CV(%)		8.2	11.4	10.3
F(5%)		n.s.	s	s

Method of Planting

M1: 60 cms spacing between two rows of maize + one row of rice (1:1)

M2: Paired row spacing 45 cm - 75 cm + 2 rows of rice (2:2)

M3: 60 cms spacing between two ridges + one row of rice in furrow created between two ridges

M4: Paired ridges at spacing of 45 cm –75 cm + two ridges of rice between two pairs of ridges

	To maize	To rice
F1	100%	100%
F2	100%	50%
F3	100%	0%
F4	80%	100%

Table 32 Studies on chemical fertilizer economy and yield sustainability through IPNS in maize based cropping system at Bajaura

Main Plot	Fertilizer	Grain Yield (q/ha)	Plant stand (th/ha)	No. of Ears (th/ha)	Plant HT (cm)
FYM @ 5t/ha (Oven dry Wt. Basis)	50% RD	79.57	77.08	76.61	157.0
	100% RD	87.15	77.08	76.38	166.7
	150% RD	89.33	75.92	75.92	162.0
Organic Waste I	50% RD	71.69	69.44	68.28	166.3
	100% RD	86.59	73.84	73.14	173.0
	150% RD	91.93	71.99	71.29	174.3
Organic waste II	50% RD	79.91	75.69	74.63	166.3
	100% RD	81.65	77.54	77.31	157.7
	150% RD	95.81	77.54	77.54	164.7
FYM @ 2.5t/ha + Organic Wast I to supply remaining N.	50% RD	69.77	74.54	73.14	167.0
	100% RD	78.07	76.62	76.62	170.0
	150% RD	80.85	78.23	77.77	168.7
FYM @ 2.5 t/ha + Organic Wast II to sypply remaining N	50% RD	73.29	74.98	74.77	162.7
	100% RD	83.22	76.59	75.69	166.7
	150% RD	89.28	74.99	74.53	168.3
C.D.(5%) AiBj-AiBk		11.65	5.94	5.94	10.8
C.D.(5%) AiBk-AjBk		10.50	6.12	6.42	10.7
F(5%)		n.s.	n.s.	n.s.	n.s.
FYM @ 5t/ha (Oven dry Wt. Basis)		85.35	76.69	76.31	161.9
Organic Waste I		83.40	71.76	70.91	171.2
Organic waste II		85.85	76.93	76.50	162.9
FYM @ 2.5t/ha + Organic Wast I to supply remaining N.		76.23	76.46	75.84	168.6
FYM @ 2.5 t/ha + Organic Wast II to sypply remaining N		81.93	75.52	75.00	165.9
C.D.(5%) Ai-Aj		4.47	3.75	4.22	6.1
C.V.(%) Error A		4.98	4.57	5.19	3.4
F(5%)		s	n.s.	n.s.	s

Table 33 Longterm effect of organic inorganic fertilizers in maize-wheat rotation in raifed conditions of Almora

	Maize					Wheat	
	Grain Yield (Kg/ha)	No. of Ears (th/ha)	Cob Length (cm)	Cob Dia-meter (cm)	Plant HT (cm)	Yield (Kg/ha)	E.Tillers per m row length
Control both season	642.0	45.06	6.5	8.1	71.3	634.3	31.0
100% NPK both crops	3611.1	65.43	10.7	11.5	79.6	831.1	41.0
Rec. NP both crops	1833.3	52.47	8.7	10.3	58.1	166.2	25.7
Rec. NK both crops	1574.1	54.32	8.7	9.7	63.6	363.1	20.0
Rec. PK both crops	629.6	46.91	6.5	8.8	76.7	463.7	27.7
10t/ha FYM both crops	1709.9	47.53	9.4	9.7	71.1	1028.0	42.3
Rec. NPK + 10t/ha FYM both crops	5493.8	67.90	12.3	12.0	85.1	1496.1	46.3
Rec. NPK + 10t/ha FYM to Maize-No fertilizer to wheat	4444.4	67.28	11.7	11.1	82.0	1049.9	35.0
No fertilizere to maize - Rec. NPK + 10t/ha FYM to wheat	1635.8	48.77	9.2	10.7	84.5	1579.2	43.0
Rec. NPK to maize and 10t/ha FYM to wheat	4160.5	64.20	11.3	11.1	72.1	800.5	37.0
50% NPK + 10t/ha FYM to maize to both crops	3746.9	62.35	10.8	11.3	79.8	1071.7	42.7
Rec. NPK to maize - 50% NPK + 5t/ha maize stalk to wheat	3450.6	64.81	10.6	12.1	76.3	713.0	33.3
50% NPK + 5t/ha wheat straw to maize - Rec. NPK to wheat	2080.2	60.49	9.1	10.0	70.6	1006.1	40.3
10t/ha kudzuvine to both crops	2450.6	56.79	9.8	10.3	69.4	629.9	29.7
50% NPK + 10 t/ha Kudzuvine to maize - Rec. NPK to wheat	3796.3	65.43	10.6	11.5	82.0	1242.3	41.0
Rec. NPK to maize - 50% NPK + 10t/ha Kudzuvine to wheat	4160.5	61.73	11.1	11.7	79.9	831.1	36.0
C.D.(5%)	741.6	11.05	1.4	1.8	11.9	486.7	7.8
C.V.(%)	15.7	11.39	8.3	10.4	9.5	33.6	13.1
F(5%)	S	S	S	S	S	S	S

Table 34 Integrated Nutrient Management in maize-wheat cropping system at Banswara

Treatment	Grain Yield (q/ha)	No.of Ears (th/ha)	Days to 50%Silking	Plant HT (cm)	Plant Stand (th/ha)
RDF as per STR	26.13	45.71	49.0	165.6	57.68
RDF	25.97	44.08	49.3	161.2	57.08
100% RDF + 10 FYM	34.28	54.04	47.3	188.0	61.52
75% RDF + 10 FYM	27.79	46.27	51.0	165.8	59.97
Seed treatment with azotobacter + 75% of N + full PK	22.46	42.08	51.3	157.1	58.23
Seed treatment with PSB + 75% of P+full NK	22.78	42.69	51.7	157.9	58.40
Seed treatment with azotobacter + 75% of NPK	20.98	40.36	50.7	152.1	58.00
T5 with 10 FYM	31.14	51.10	49.7	176.4	60.39
T6 with 10t FYM	31.26	51.81	48.7	180.7	60.40
T7 with 10t FYM	30.07	48.55	49.7	173.1	60.26
Seed treatment with azotobacter + PSV + 50% NPK + 10t FYM	19.60	41.18	54.7	139.1	57.34
Insitu green manuring by cowpea + 75% NPK	17.28	40.26	53.3	135.2	57.22
C.D.(5%)	4.10	8.99	2.0	39.4	6.61
C.V.(%)	9.39	11.63	2.4	14.3	6.63
F(5%)	S	S	S	N.S.	N.S.

Table 35 Integrated nutrient management in Maize at Chindwara

Treatments	Grain Yield (kg/ha)	Plant Stand (th/ha)	No. of Ears (th/ha)	Days to 50% Silking	Plant HT (cm)
T1	4288.9	57.78	50.74	55.7	212.0
T2	4155.6	57.78	50.00	56.3	207.3
T3	4400.0	64.07	54.07	54.7	215.3
T4	3777.8	54.44	46.30	56.7	203.7
T5	3555.6	51.11	43.33	57.3	199.3
T6	4022.2	57.78	50.74	55.7	207.7
T7	4037.0	61.85	50.37	55.3	212.0
T8	3622.2	52.59	44.81	57.0	201.3
T9	3844.4	58.52	48.	56.3	208.7
T10	3800.0	56.30	4	56.3	205.7
T11	3644.4	53.70		56.7	202.0
T12	3355.6	47.78		58.3	194.3
Location Mean	3875.3	56.14		56.4	205.8
CD at 5%	691.1		)	2.4	16.1
CV %	10.5		3	2.5	4.6
F(5%)	N.S			N.S.	N.S.

T1- Recommended dose t values
T2- Recommended do
T3- Recommended + 10 t FYM/ha
T4-75% Recomm ilizer+ 10 t FYM/ha
T5-Axzotobact se of P and K through fertilizer
T6-PSB tre ough fertilizer
T7- Axzotobactor seed treatment +75% r ose of N and K through fertilizer + 10 t/ha FYM
T8- Axzotobactor seed treatment +75% N + full dose of P and K through fertilizer + 10 t/ha FYM
T9- PSB seed treatment +75% P + full dose of N and K through fertilizer + 10 t/ha FYM
T10- Axzotobactor +PSBseed treatment +75% N, P and K through fertilizer + 10 t/ha FYM
T11- Axzotobactor +PSBseed treatment +50% N, P and K through fertilizer + 10 t/ha FYM
T12- In situ green manuring of Dhaincha

Table 36 Effect of date of sowing and plant geometry sunhemp as intercrop with maize for green manuring at Chindwara

Date of Sowing	Plant Geometry	Grain Yield (kg/ha)	Plant Stand (th/ha)	No. of Ears (th/ha)	Days to 50% Silking	Plant HT (cm)	Sunhemp Plant Stand (th/ha)	Sunhemp wt. Green (kg/ha)
28.06.02	Maize+Sunhemp (1:1)	4577.8	58.9	48.9	56.0	194.3	472.2	5518.5
	Maize+Sunhemp (1:2)	4311.1	53.0	48.1	57.7	188.3	725.6	9666.7
	Maize+Sunhemp (1+ Broadcast)	4155.6	51.5	47.0	59.0	187.0	506.7	6333.3
13.07.02	Maize+Sunhemp (1:1)	4911.1	59.3	54.4	55.7	211.7	436.3	4666.7
	Maize+Sunhemp (1:2)	4696.3	53.3	51.9	56.7	209.3	891.1	9333.3
	Maize+Sunhemp (1+ Broadcast)	4644.4	52.6	50.7	57.0	209.0	354.4	5333.3
28.07.02	Maize+Sunhemp (1:1)	4666.7	58.9	48.5	56.7	214.3	496.9	3888.9
	Maize+Sunhemp (1:2)	4622.2	56.7	48.5	57.0	211.0	966.7	9111.1
	Maize+Sunhemp (1+ Broadcast)	4355.6	53.3	47.4	57.3	207.7	371.5	5000.0
Lacation Mean		4549.0	55.27	49.51	57.0	203.6	580.4	6539.1
CDab(5%)		535.4	5.10	7.69	1.3	7.4	119.7	1044.0
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	s	n.s.
28.06.02		4348.1	54.4	48.0	57.6	189.9	568.1	7172.8
13.07.02		4750.6	55.1	52.3	56.4	210.0	560.6	6444.4
28.07.02		4548.1	56.3	48.1	57.0	211.0	612.3	6000.0
CDa (5%)		309.1	2.9	4.4	0.8	4.3	69.1	602.8
F(5%)		s	n.s.	n.s.	s	s	n.s.	s
Maize+Sunhemp (1:1)		4718.5	59.0	50.6	56.1	206.8	469.1	4691.4
Maize+Sunhemp (1:2)		4543.2	54.3	49.5	57.1	202.9	861.1	9370.4
Maize+Sunhemp (1+ Broadcast)		4385.2	52.5	48.4	57.8	201.2	410.9	5555.6
CDb(5%)		309.1	2.9	4.4	0.8	4.3	69.1	602.8
CV(%)		6.8	5.3	9.0	1.3	2.1	11.9	9.2
F(5%)		n.s.	s	n.s.	s	s	s	s

Table 37 Effect of Sesbania intercropped with maize for green manuring at Chindwara

Date of Sowing	Treatments	Grain Yield (kg/ha)	Plant Stand (th/ha)	No. of Ears (th/ha)	Days to 50% Silk	Plant HT (cm)	Sesabnia Plant Stand (th/ha)	Sesabnia wt. Green (kg/ha)
28.06.2002	Maize+Susbania (1:1)	4733.3	58.5	50.0	56.3	207.3	195.6	5000.0
	Maize+Susbania (1:2)	4333.3	55.6	47.8	55.3	206.3	207.8	5888.9
	Maize+Susbania (1+ Broadcast)	4311.1	53.0	46.7	56.7	204.7	177.8	4666.7
13.07.2002	Maize+Susbania (1:1)	4822.2	57.0	56.7	55.0	204.7	146.7	5222.2
	Maize+Susbania (1:2)	4755.6	54.1	51.9	56.3	203.0	371.1	8333.3
	Maize+Susbania (1+ Broadcast)	4400.0	53.7	48.9	56.0	202.0	275.6	7444.4
28.07.2002	Maize+Susbania (1:1)	4733.3	55.9	49.6	56.7	209.3	137.8	5222.2
	Maize+Susbania (1:2)	4403.7	55.2	47.0	56.7	206.7	346.7	8222.2
	Maize+Susbania (1+ Broadcast)	4355.6	53.0	45.9	56.7	201.3	172.2	4666.7
CDab(5%)		668.3	6.5	7.8	2.4	14.9	44.2	720.3
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	s	s
28.06.02		4459.3	55.7	48.1	56.1	206.1	193.7	5185.2
13.07.02		4659.3	54.9	52.5	55.8	203.2	264.4	7000.0
28.07.02		4497.5	54.7	47.5	56.7	205.8	218.9	6037.0
CDa (5%)		385.9	3.8	4.5	1.4	8.6	25.5	415.9
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	s	s
Maize+Susbania (1:1)		4763.0	57.2	52.1		56.0	207.1	160.0	5148.1
Maize+Susbania (1:2)		4497.5	54.9	48.9		56.1	205.3	308.5	7481.5
Maize+Susbania (1+ Broadcast)		4355.6	53.2	47.2		56.4	202.7	208.5	5592.6
CDb(5%)		385.9	3.8	4.5		1.4	8.6	25.5	415.9
CV(%)		8.5	6.8	9.2		2.5	4.2	11.3	6.9
F(5%)		n.s.	n.s.	n.s.		n.s.	n.s.	s	s

Table 38 Effect of N levels and weed management practices on maize and weeds at Almora

Weed management	N level	Grain Yield (kg/ha)	No. of Cobs (th/ha)	Cob legth (cm)	Cob diameter (cm)	Pl. Height (cm)	Days to 50% Silking	Barren Plant (th/ha)
Weedy check	N0	175.9	14.8	5.5	8.9	118.0	60	51.9
	N40	213.0	15.7	5.9	9.1	126.0	59	50.0
	N80	324.1	18.5	6.3	9.6	132.0	58.7	48.1
	N120	935.2	36.6	8.2	10.3	165.3	56.3	30.1
	N160	1838.0	56.9	10.2	12.0	179.0	52.0	9.7
Weed free	N0	2800.9	57.9	10.1	11.9	209.3	56.7	8.8
	N40	4537.0	63.0	11.5	12.5	221.7	52.7	3.7
	N80	4976.9	63.0	11.9	12.7	233.3	51.0	3.7
	N120	6157.4	64.8	12.7	14.0	236.0	50.0	1.9
	N160	7476.9	66.2	13.1	14.9	237.3	49.7	1.9
Alchlor 2.0 kg a.i./ha	N0	3055.6	52.8	10.4	10.8	211.7	56.0	13.9
	N40	4213.0	55.6	12.8	13.4	223.0	53.3	11.1
	N80	5277.8	61.1	13.0	13.7	235.0	50.7	5.6
	N120	6018.5	64.4	13.3	13.9	233.0	50.0	3.7
	N160	7291.7	65.3	13.1	14.1	235.0	49.3	1.9
Location Mean		3666.1	50.4	10.5	12.1	199.7	53.7	16.4
C.D.(5%) AiBj-AiBk		980.7	6.0	0.8	0.4	15.6	1.1	6.0
C.D.(5%) AiBk-AjBk		1191.1	6.2	0.9	0.7	26.5	1.6	6.3
F(5%)		s	s	s	s	s	s	s
Weedy check		697.2	28.5	7.2	10.0	144.1	57.1	38.0
Weed free		5189.8	63.0	11.9	13.2	227.5	52.0	4.0
Alchlor 2.0 kg a.i./ha		5171.3	59.8	12.5	13.2	227.5	51.9	7.2
C.D.(5%) Ai-Aj		824.2	3.2	0.5	0.5	22.9	1.3	3.3
C.V.(%) Error A		22.1	6.2	4.5	4.3	11.3	2.4	19.9
F(5%)		s	s	s	s	s	s	s

Table 39 To study the effect of seed priming on yield of maize under rainfed condition at Udaipur

Seed Soaking	Time of soaking	Grain Yield (kg/ha)	Germination count	Plant Stand (th/ha)	HI Percentage	Plant HT (cm)15 days	Plant Height (cm)30 days
Dry seed sowing (control)	6hrs.	1861.67	61.67	61.17	39.6	15.1	46.3
	12hrs	1903.33	64.00	62.67	39.6	16.0	46.3
soaking seed in simple water	6hrs.	1901.67	64.00	62.83	39.5	16.0	48.2
	12hrs	1903.33	64.50	63.33	39.4	16.0	46.6
Soaking seed in 2.5% KH2 PO4 solution	6hrs.	2005.00	63.33	63.00	39.7	18.1	51.4
	12hrs	2153.33	64.00	62.00	39.5	16.0	48.2
Soaking seed in 2.5% Macl solution	6hrs.	2200.00	64.50	62.67	39.4	19.1	56.3
	12hrs	2133.33	64.00	62.67	39.5	17.0	52.5
Soaking seed in 0.1% succenic solution	6hrs.	1906.67	63.83	62.33	39.6	16.7	47.3
	12hrs	2000.00	64.00	62.67	39.8	18.0	48.0
Soaking seed in 100 ppm cycocel solution	6hrs.	1955.00	64.17	62.83	39.3	18.0	50.1
	12hrs	1960.00	65.00	62.67	39.6	18.0	48.2
Soaking seed in 1 PPM cytokimin solution	6hrs.	2170.00	66.00	63.00	39.4	20.4	53.2
	12hrs	2148.33	63.50	62.00	39.5	18.1	50.2
Soakinmg seed in 0.1% thiourea solution	6hrs.	2255.00	64.50	62.67	39.5	20.7	58.8
	12hrs	2193.33	64.83	62.33	39.6	20.5	54.1
CDab(5%)		227.39	3.57	4.69	0.4	3.2	8.2
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Dry seed sowing (control)		1882.50	62.83	61.92	39.6	15.6	46.3
soaking seed in simple water		1902.50	64.25	63.08	39.5	16.0	48.4
Soaking seed in 2.5% KH2 PO4 solution		2079.17	63.67	62.50	39.6	17.0	49.8
Soaking seed in 2.5% Macl solution		2166.67	64.25	62.67	39.5	18.0	54.4
Soaking seed in 0.1% succenic solution		1953.33	63.92	62.50	39.6	17.3	47.7
Soaking seed in 100 ppm cycocel solution		1957.50	64.58	62.75	39.4	18.0	49.1
Soaking seed in 1 PPM cytokimin solution		2159.17	64.75	62.50	39.5	19.2	51.7
Soakinmg seed in 0.1% thiourea solution		2224.17	64.67	62.50	39.5	20.6	56.4
CDa (5%)		160.79	2.53	3.31	0.3	2.3	5.8
F(5%)		s	n.s.	n.s.	n.s.	s	s
6hrs.		2031.88	64.00	62.56	39.5	18.0	51.4
12hrs		2049.38	64.23	62.54	39.5	17.5	49.5
CDb(5%)		80.39	1.26	1.66	0.1	1.1	2.9
CV(%)		7.82	3.91	5.26	0.7	12.8	11.4
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

Table 40 Effect of thio urea sprays on the yield of rainfed maize at Banswara

Treatment	Grain Yield (q/ha)
Water spray at knee high stage	15.82
Water spray at tasseling stage	16.40
Water spray at grain filling stage	16.69
Thio-urea spray @ 0.1% at knee high stage	18.09
Thio-urea Spray @ 0.1% at tasseling stage	20.11
Thio-urea sparay @ 0.1% at grain filling stage	20.87
Thio-urea sparay @ 0.2% at knee high stage	22.74
Thio-urea sparay @ 0.2 % at tassling stage	23.04
Thio-urea sparay @ 0.2% at grain filling stage	23.94
Absolute control	15.40
Location Mean	19.31
C.D.(5%)	5.12
C.V.(%)	15.46
F(5%)	S

Table 41 Studies on the impact of plant removal at *difference stages crop growth at Godhra*

N Level	Days for uprooting	Grain Yield (kg/ha)	Fodder Yield (kg/ha)	No. of Plants (th/ha)	No. of Ears (th/ha)	Plant HT (cm)	Cob Length (cm)	Cob Girth (cm)
N 60	20 DAS - 10%	2052.5	3101.9	50.93	50.93	182.7	13.3	10.9
	30 DAS - 20%	2345.7	3472.2	52.31	52.31	182.3	13.6	10.9
	40 DAS - 30%	2716.0	3935.2	61.11	61.11	192.3	15.4	11.1
	50 DAS - 40%	2746.9	4027.8	66.67	66.67	192.7	15.1	11.5
	60 DAS - 50%	2685.2	3842.6	57.87	57.87	183.0	13.8	11.0
	Control	2685.2	3888.9	57.41	57.41	189.7	14.8	11.9
N 90	20 DAS - 10%	2716.0	3935.2	58.33	58.33	183.3	14.9	11.1
	30 DAS - 20%	2824.1	4074.1	68.52	68.52	193.3	15.0	11.3
	40 DAS - 30%	3040.1	4398.1	73.15	73.15	196.7	15.6	11.0
	50 DAS - 40%	3148.1	4583.3	74.54	74.54	198.3	16.1	12.3
	60 DAS - 50%	2839.5	4074.1	66.20	66.20	193.7	15.5	11.9
	Control	2870.4	4120.4	62.50	62.50	195.3	16.0	12.0
CDab(5%)		390.2	569.1	6.94	6.94	15.9	2.2	1.0
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N 60		2538.6	3711.4	57.72	57.72	187.1	14.3	11.2
N 90		2906.4	4197.5	67.2	67.2	193.44	15.51	11.6
CDa (5%)		159.3	232.3	2.8	2.8	6.51	0.89	0.4
F(5%)		s	s	s	s	n.s.	s	n.s.
20 DAS - 10%		2384.3	3518.5	54.6	54.6	183.00	14.08	11.0
30 DAS - 20%		2584.9	3773.1	60.4	60.4	187.83	14.30	11.1
40 DAS - 30%		2878.1	4166.7	67.1	67.1	194.50	15.50	11.1
50 DAS - 40%		2947.5	4305.6	70.6	70.6	195.50	15.60	11.9
60 DAS - 50%		2762.3	3958.3	62.0	62.0	188.33	14.65	11.5
Control planting 60x20cm		2777.8	4004.6	60.0	60.0	192.50	15.40	11.9
CDb(5%)		275.9	402.4	4.9	4.9	11.27	1.55	0.7
CV(%)		8.5	8.5	6.6	6.6	4.95	8.67	5.3
F(5%)		s	s	s	s	n.s.	n.s.	s

TABLE NO. 42

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR65Z_2 DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 WATE PAN1	CONT PAN2	OV'L MEAN
1	J H - 10269	2654	3	6442	2	4548	2	125.42	-	19.16
2	F-9572 A (RETEST.)	1732	5	5649	4	3691	4	47.10	-	-
	CHECKS:									
3	PRO - 311	1177	6	6456	1	3817	3	-	-	-
4	DECCAN - 103	2715	2	3820	6	3268	5	130.61	-	-
5	BIO - 9681	4073	1	6064	3	5068	1	245.94	-	32.79
6	GANGA - 11	2325	4	3960	5	3142	6	97.47	-	-
	MEAN YIELD=	2446		5399		3922				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1038		1373		1205				
	C.V. % =	16.51		9.89		-				
	F (Prob)	.008		.012						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 42(CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 WATE PAN1	CONT PAN2	OV'L MEAN	BIO - 9681 WATE PAN1	CONT PAN2	OV'L MEAN	GANGA - 11 WATE PAN1	CONT PAN2	OV'L MEAN
1	J H - 10269	-	68.64	39.19	-	6.24	-	14.16	62.69	44.73
2	F-9572 A (RETEST.)	-	47.88	12.95	-	-	-	-	42.66	17.45
	CHECKS:									
3	PRO - 311	-	69.01	16.81	-	6.47	-	-	63.04	21.47
4	DECCAN - 103	-	-	-	-	-	-	16.78	-	3.98
5	BIO - 9681	50.01	58.73	55.11	-	-	-	75.19	53.13	61.29
6	GANGA - 11	-	3.66	-	-	-	-	-	-	-

TABLE NO. 42(CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING 50% WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	J H - 10269	54.0	53.5	53.8	58.0	56.0	57.0	250	238	244
2	F-9572 A (RETEST.)	54.5	53.5	54.0	58.5	57.0	57.8	220	248	234
	CHECKS:									
3	PRO - 311	55.5	52.5	54.0	59.0	56.0	57.5	165	233	199
4	DECCAN - 103	49.5	49.0	49.3	53.5	51.5	52.5	175	233	204
5	BIO - 9681	49.0	48.5	48.8	53.0	51.0	52.0	205	243	224
6	GANGA - 11	51.5	49.0	50.3	54.5	53.0	53.8	185	235	210
	MEAN LOCATION	52.3	51.0	51.7	56.1	54.1	55.1	200	238	219
	C.D. AT 5%=	1.9	3.6	-	3.5	2.9	-	59.5	21.3	-
	C.V. % =	1.4	2.7	-	2.4	2.1	-	11.6	3.5	-
	F (Prob)	.001	.036	-	.021	.011	-	.087	.480	-

TABLE NO. 42(CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	MORTA -LITY WATE PAN1
1	J H - 10269	68	95	81	17	38	10
2	F-9572 A (RETEST.)	80	93	86	12	32	4
	CHECKS:						13
3	PRO - 311	60	95	78	9	37	20
4	DECCAN - 103	60	95	78	18	37	7
5	BIO - 9681	70	95	83	21	38	5
6	GANGA - 11	63	90	76	23	36	10
	MEAN LOCATION	67	94	80	16	36	8.2
	C.D. AT 5%=	11.0	25.5	-	7.0	8.7	12.9
	C.V. % =	6.4	10.6	-	16.7	9.4	33.0
	F (Prob)	.031	.991	-	.020	.500	.025

TABLE NO. 43

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR65Z3S DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 WATE PAN1	CONT PAN2	ZN 2 MEAN
1	P M Z - 234	3313	3	3908	6	3611	3	40.17	45.19	42.84
2	JKMH - 1090	2117	6	4927	3	3522	5	-	83.03	39.34
3	F - 1562	3798	2	7744	1	5771	2	60.69	187.69	128.32
	CHECKS:									
4	PRO - 311	2364	5	2692	7	2528	7	-	-	-
5	DECCAN - 103	2861	4	4337	5	3599	4	21.06	61.12	42.39
6	BIO - 9681	6056	1	6412	2	6234	1	156.23	138.19	146.62
7	GANGA - 11	1486	7	4816	4	3151	6	-	78.90	24.66
	MEAN YIELD=	3142		4976		4059				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1684		2121		1903				
	C.V. % =	21.90		17.42		-				
	F (Prob)	.008		.014						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 WATE PAN1	CONT PAN2	ZN 2 MEAN	BIO - 9681 WATE PAN1	CONT PAN2	ZN 2 MEAN	GANGA - 11 WATE PAN1	CONT PAN2	ZN 2 MEAN
1	P M Z - 234	15.79	-	0.32	-	-	-	122.90	-	14.59
2	JKMH - 1090	-	13.60	-	-	-	-	42.46	2.31	11.78
3	F - 1562	32.74	78.56	60.35	-	20.78	-	155.54	60.81	83.15
	CHECKS:									
4	PRO - 311	-	-	-	-	-	-	59.02	-	-
5	DECCAN - 103	-	-	-	-	-	-	92.51	-	14.22
6	BIO - 9681	111.66	47.84	73.21	-	-	-	307.46	33.14	97.84
7	GANGA - 11	-	11.04	-	-	-	-	-	-	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	P M Z - 234	53.0	50.0	51.5	56.5	54.5	55.5	210	243	226
2	JKMH - 1090	55.0	55.0	55.0	58.5	57.0	57.8	188	228	208
3	F - 1562	53.5	52.5	53.0	57.5	55.5	56.5	198	258	228
	CHECKS:									
4	PRO - 311	53.5	53.5	53.5	57.0	57.0	57.0	173	213	193
5	DECCAN - 103	49.0	49.0	49.0	53.5	53.0	53.3	195	235	215
6	BIO - 9681	49.0	48.5	48.8	53.5	52.0	52.8	220	245	233
7	GANGA - 11	52.0	51.5	51.8	57.5	56.0	56.8	203	243	223
	MEAN LOCATION	52.1	51.4	51.8	56.3	55.0	55.6	198	238	218
	C.D. AT 5%=	3.2	2.6	-	3.5	2.1	-	85.0	46.0	-
	C.V. % =	2.5	2.1	-	2.6	1.6	-	17.6	7.9	-
	F (Prob)	.021	.006	-	.063	.006	-	.860	.427	-

TABLE NO. 43 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	P M Z - 234	75	95	85	28	34	31	7
2	JKMH - 1090	73	90	81	13	35	24	8
3	F - 1562	68	110	89	21	38	30	7
	CHECKS:							
4	PRO - 311	60	80	70	17	20	19	6
5	DECCAN - 103	75	90	83	23	38	31	7
6	BIO - 9681	75	108	91	28	39	34	4
7	GANGA - 11	73	95	84	14	36	25	19
	MEAN LOCATION	71	95	83	21	34	27	8
	C.D. AT 5%=	41.7	24.4	-	6.7	4.7	-	12.9
	C.V. % =	24.0	10.5	-	13.3	5.5	-	65.2
	F (Prob)	.959	.180	-	.006	.001	-	.286

TABLE NO. 44

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR66Z2S DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT WATE PAN1	CONT PAN2	OV'L MEAN
1	L - 173	852	14	4446	11	2649	12	-	-	-
2	EC - 3116	1902	11	3155	12	2529	13	-	-	-
3	HKH - 1206	1438	13	2607	14	2022	14	-	-	-
4	KAVERI - 235	4644	4	6764	5	5704	4	89.06	47.75	62.18
5	PAC 70004	4643	5	4852	8	4747	7	89.02	5.98	34.98
6	NECH - 113	5100	3	7831	2	6465	3	107.61	71.05	83.82
7	X - 2003	6764	1	7459	4	7112	2	175.37	62.94	102.20
8	PAC 70003	6720	2	7621	3	7171	1	173.56	66.48	103.87
9	JKMH - 1080	1504	12	4506	10	3005	10	-	-	-
10	SEEDTEC - 6234	2563	9	8107	1	5335	6	4.33	77.08	51.68
11	BIO 9681 (FILLER)	4277	6	6738	6	5508	5	74.10	47.19	56.59
	CHECKS:									
12	NAVJOT	2456	10	4578	9	3517	9	-	-	-
13	DECCAN - 107	2831	7	5812	7	4321	8	15.25	26.95	22.87
14	KH 510	2743	8	2952	13	2847	11	11.65	-	-
	MEAN YIELD=	3460		5530		4495				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1514		2478		1996				
	C.V. % =	20.25		20.74		-				
	F (Prob)	.000		.002						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 WATE PAN1	CONT PAN2	OV'L MEAN	KH 510 WATE PAN1	CONT PAN2	OV'L MEAN
1	L - 173	-	-	-	-	50.63	-
2	EC - 3116	-	-	-	-	6.90	-
3	HKH - 1206	-	-	-	-	-	-
4	KAVERI - 235	64.04	16.38	31.99	69.33	129.17	100.35
5	PAC 70004	64.01	-	9.86	69.30	64.37	66.75
6	NECH - 113	80.14	34.74	49.61	85.96	165.31	127.09
7	X - 2003	138.94	28.35	64.57	146.65	152.73	149.80
8	PAC 70003	137.37	31.13	65.93	145.02	158.21	151.86
9	JKMH - 1080	-	-	-	-	52.66	5.54
10	SEEDTEC - 6234	-	39.49	23.45	-	174.66	87.38
11	BIO 9681 (FILLER)	51.06	15.94	27.45	55.94	128.30	93.45
	CHECKS:						
12	NAVJOT	-	-	-	-	55.10	23.54
13	DECCAN - 107	-	-	-	3.23	96.91	51.79
14	KH 510	-	-	-	-	-	-

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	L - 173	52.5	48.5	50.5	57.5	53.0	55.3	140	225	183
2	EC - 3116	48.5	47.5	48.0	52.0	51.5	51.8	193	265	229
3	HKH - 1206	50.0	49.5	49.8	53.5	53.5	53.5	178	210	194
4	KAVERI - 235	49.5	48.5	49.0	53.5	52.0	52.8	200	260	230
5	PAC 70004	52.0	49.5	50.8	56.0	53.5	54.8	223	228	225
6	NECH - 113	53.0	50.0	51.5	57.0	54.5	55.8	198	255	226
7	X - 2003	49.0	48.0	48.5	53.0	51.5	52.3	210	225	218
8	PAC 70003	53.0	50.0	51.5	56.5	53.0	54.8	198	258	228
9	JKMH - 1080	51.5	49.0	50.3	55.5	52.0	53.8	135	205	170
10	SEEDTEC - 6234	55.0	51.0	53.0	58.0	55.0	56.5	168	243	205
11	BIO 9681 (FILLER)	51.0	48.5	49.8	54.5	51.5	53.0	215	265	240
	CHECKS:									
12	NAVJOT	49.0	49.5	49.3	52.0	51.0	51.5	215	246	231
13	DECCAN - 107	51.5	49.0	50.3	60.0	52.0	56.0	240	245	243
14	KH 510	49.0	48.5	48.8	52.5	52.0	52.3	195	210	203
	MEAN LOCATION	51.0	49.1	50.1	55.1	52.6	53.8	193	238	216
	C.D. AT 5%=	3.3	2.8	-	3.0	2.2	-	54.0	32.3	-
	C.V. % =	3.0	2.6	-	2.5	2.0	-	12.9	6.3	-
	F (Prob)	.021	.486	-	.001	.039	-	.036	.009	-

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTYLET /PLOT WATE PAN1
1	L - 173	40	110	75	13	37	25	12
2	EC - 3116	75	120	98	15	31	23	15
3	HKH - 1206	60	80	70	15	24	19	8
4	KAVERI - 235	70	100	85	30	36	33	8
5	PAC 70004	85	93	89	20	36	28	5
6	NECH - 113	73	95	84	27	34	30	7
7	X - 2003	80	95	88	26	35	30	8
8	PAC 70003	85	115	100	26	39	33	7
9	JKMH - 1080	48	75	61	18	33	25	15
10	SEEDTEC - 6234	58	110	84	21	39	30	12
11	BIO 9681 (FILLER)	73	100	86	20	38	29	9
	CHECKS:							
12	NAVJOT	65	105	85	19	38	29	7
13	DECCAN - 107	65	100	83	18	36	27	7
14	KH 510	70	70	70	20	23	21	6
	MEAN LOCATION	68	98	83	20	34	27	9
	C.D. AT 5%=	36.3	21.9	-	7.3	8.0	-	5.7
	C.V. % =	24.9	10.4	-	16.8	10.9	-	30.0
	F (Prob)	.371	.007	-	.006	.010	-	.024

TABLE NO. 45

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR66Z3S DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE NAVJOT		
		WATE		CONT		OV'L		WATE	CONT	OV'L
		PAN1	R	PAN2	R	MEAN	R	PAN1	PAN2	MEAN
1	L - 173	2152	11	3633	17	2892	14	-	-	-
2	L - 157	950	18	3884	15	2417	17	-	-	-
3	L - 161	1899	12	4827	12	3363	11	-	10.28	2.84
4	L - 169	365	19	5308	8	2837	15	-	21.28	-
5	U M C - 13	1740	14	3793	16	2766	16	-	-	-
6	D - 003	2880	8	5934	7	4407	8	33.16	35.58	34.78
7	HKH - 1191	1738	15	1983	19	1860	19	-	-	-
8	BH - 2398	1684	16	4461	13	3073	13	-	1.92	-
9	A H - 1121	1622	17	2651	18	2136	18	-	-	-
10	A H - 1154	3040	7	5130	10	4085	9	40.56	17.20	24.92
11	BIO - 92218	3944	6	8014	1	5979	2	82.38	83.10	82.86
12	PAC 70003	4530	5	7087	4	5809	4	109.46	61.93	77.65
13	P M Z - 131	4740	4	6424	5	5582	5	119.16	46.76	70.70
14	BISCO - SURAJ 11	1745	13	7540	3	4642	7	-	72.27	41.97
15	X - 2003	4838	3	5302	9	5070	6	123.67	21.13	55.04
16	JKMH - 1080	5499	1	7807	2	6653	1	154.24	78.37	103.46
	CHECKS:									
17	NAVJOT	2163	10	4377	14	3270	12	-	-	-
18	DECCAN - 107	2749	9	5078	11	3913	10	27.11	16.01	19.68
19	KH 510	5474	2	6338	6	5906	3	153.11	44.80	80.62
	MEAN YIELD=	2829		5240		4035				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1627		2203		1915				
	C.V. % =	27.37		20.01		-				
	F (Prob)	.000		.001						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 45 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 WATE PAN1	CONT PAN2	OV'L MEAN	KH 510 WATE PAN1	CONT PAN2	OV'L MEAN
1	L - 173	-	-	-	-	-	-
2	L - 157	-	-	-	-	-	-
3	L - 161	-	-	-	-	-	-
4	L - 169	-	4.54	-	-	-	-
5	U M C - 13	-	-	-	-	-	-
6	D - 003	4.76	16.87	12.61	-	-	-
7	HKH - 1191	-	-	-	-	-	-
8	BH - 2398	-	-	-	-	-	-
9	A H - 1121	-	-	-	-	-	-
10	A H - 1154	10.58	1.03	4.38	-	-	-
11	BIO - 92218	43.48	57.83	52.79	-	26.45	1.24
12	PAC 70003	64.78	39.58	48.43	-	11.83	-
13	P M Z - 131	72.42	26.51	42.63	-	1.35	-
14	BISCO - SURAJ 11	-	48.50	18.63	-	18.97	-
15	X - 2003	75.97	4.41	29.55	-	-	-
16	JKMH - 1080	100.02	53.75	70.00	0.45	23.18.	12.65
	CHECKS:						
17	NAVJOT	-	-	-	-	-	-
18	DECCAN - 107	-	-	-	-	-	-
19	KH 510	99.12	24.82	50.92	-	-	-

TABLE NO. 45 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	L - 173	51.5	48.5	50.0	55.5	52.0	53.8	200	210	205
2	L - 157	48.5	44.5	46.5	53.5	49.0	51.3	125	230	178
3	L - 161	52.5	47.5	50.0	57.0	51.5	54.3	168	233	200
4	L - 169	52.5	47.5	50.0	57.0	53.0	55.0	165	230	198
5	U M C - 13	51.0	48.5	49.8	56.0	52.0	54.0	178	238	208
6	D - 003	48.5	45.0	46.8	52.5	48.5	50.5	195	205	200
7	HKH - 1191	59.5	52.5	56.0	63.5	55.0	59.3	158	195	176
8	BH - 2398	55.0	53.5	54.3	59.5	57.0	58.3	155	235	195
9	A H - 1121	51.0	47.5	49.3	55.0	51.5	53.3	145	215	180
10	A H - 1154	52.5	45.0	48.8	56.5	48.5	52.5	230	235	233
11	BIO - 92218	49.0	45.0	47.0	52.5	48.5	50.5	205	235	220
12	PAC 70003	53.0	49.0	51.0	57.0	54.5	55.8	205	235	220
13	P M Z - 131	50.5	48.0	49.3	54.5	51.5	53.0	190	225	208
14	BISCO - SURAJ 11	56.5	49.0	52.8	59.5	53.0	56.3	153	250	201
15	X - 2003	50.5	48.0	49.3	55.5	51.5	53.5	168	230	199
16	JKMH - 1080	49.0	46.0	47.5	52.5	49.5	51.0	185	215	200
	CHECKS:									
17	NAVJOT	49.0	46.5	47.8	53.5	50.0	51.8	200	240	220
18	DECCAN - 107	52.0	46.5	49.3	57.0	50.0	53.5	170	253	211
19	KH 510	49.5	48.5	49.0	53.5	52.0	52.8	213	225	219
	MEAN LOCATION	51.7	47.7	49.7	55.9	51.5	53.7	179	228	204
	C.D. AT 5%=	4.6	2.2	-	5.1	2.1	-	62.2	35.4	-
	C.V. % =	4.2	2.2	-	4.4	1.9	-	16.5	7.4	-
	F (Prob)	.006	.000	-	.021	.000	-	.159	.198	-

TABLE NO. 45 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTYLE /PLANT WATE PAN1
1	L - 173	60	80	70	21	28	24	7
2	L - 157	45	95	70	12	40	26	23
3	L - 161	60	115	88	22	32	27	14
4	L - 169	53	93	73	14	36	25	21
5	U M C - 13	65	100	83	15	25	20	11
6	D - 003	85	88	86	29	39	34	11
7	HKH - 1191	48	83	65	12	19	16	5
8	BH - 2398	48	95	71	21	36	28	5
9	A H - 1121	45	88	66	20	31	25	15
10	A H - 1154	63	88	75	28	35	31	6
11	BIO - 92218	65	88	76	31	40	35	9
12	PAC 70003	98	100	99	34	38	36	7
13	P M Z - 131	55	98	76	25	32	28	6
14	BISCO - SURAJ 11	45	95	70	20	36	28	9
15	X - 2003	80	105	93	21	28	25	5
16	JKMH - 1080	63	70	66	33	40	36	5
	CHECKS:							
17	NAVJOT	65	100	83	21	31	26	5
18	DECCAN - 107	55	105	80	26	38	32	10
19	KH 510	80	88	84	23	40	31	4
	MEAN LOCATION	62	93	78	22	34	28	9
	C.D. AT 5%=	39.6	25.5	-	7.6	7.9	-	5.7
	C.V. % =	30.5	13.0	-	16.2	11.2	-	30.1
	F (Prob)	.330	.222	-	.000	.001	-	.000

TABLE NO. 46

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR67Z3S DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE MEGHA WATE PAN1	CONT PAN2	OV'L MEAN
1	R - 9803	2139	3	3952	2	3045	3	35.93	9.49	17.52
	CHECKS:									
2	MEGHA	1573	4	3609	4	2591	4	-	-	-
3	PEHM - 2	2451	1	3696	3	3073	2	55.76	2.40	18.60
4	MAHI KANCHAN	1176	5	2078	5	1627	5	-	-	-
5	X - 3342	2191	2	6024	1	4107	1	39.23	66.90	58.50
	MEAN YIELD=	1906		3872		2889				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	2032		1484		1758				
	C.V. % =	38.40		13.81		-				
	F (Prob)	.499		.013						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE PEHM - 2 WATE PAN1	CONT PAN2	OV'L MEAN	OVER THE MAHI KANCHAN WATE PAN1	CONT PAN2	OV'L MEAN
1	R - 9803	-	6.93	-	81.79	90.18	87.15
	CHECKS:						
2	MEGHA	-	-	-	33.74	73.69	59.25
3	PEHM - 2	-	-	-	108.32	77.86	88.87
4	MAHI KANCHAN	-	-	-	-	-	-
5	X - 3342	-	62.99	33.64	86.20	189.89	152.41

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE X - 3342 WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN
1	R - 9803	-	-	-	47.5	45.0	46.3	51.0	48.0	49.5
	CHECKS:									
2	MEGHA	-	-	-	47.5	45.5	46.5	52.5	48.5	50.5
3	PEHM - 2	11.88	-	-	50.0	45.5	47.8	55.0	48.5	51.8
4	MAHI KANCHAN	-	-	-	49.0	45.5	47.3	53.5	48.5	51.0
5	X - 3342	-	-	-	48.5	45.5	47.0	53.0	48.5	50.8
	MEAN LOCATION	-	-	-	48.5	45.4	47.0	53.0	48.4	50.7
	C.D. AT 5%=	-	-	-	6.9	0.9	-	7.9	0.9	-
	C.V. % =	-	-	-	5.2	0.7	-	5.4	0.7	-
	F (Prob)	-	-	-	.827	.500	-	.728	.500	-

TABLE NO. 46 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTYLE /PLOT WATE PAN1
1	R - 9803	170	215	193	60	88	74	18	31	24	11
	CHECKS:										
2	MEGHA	175	235	205	65	95	80	18	34	26	7
3	PEHM - 2	160	220	190	50	95	73	17	28	22	3
4	MAHI KANCHAN	175	223	199	65	93	79	14	28	21	4
5	X - 3342	160	253	206	55	103	79	20	34	27	10
	MEAN LOCATION	168	229	199	59	95	77	17	31	24	7
	C.D. AT 5%=	93.5	18.4	-	29.8	18.4	-	8.2	23.6	-	6.7
	C.V. % =	20.1	2.9	-	18.2	7.0	-	17.2	27.6	-	35.3
	F (Prob)	.976	.022	-	.612	.391	-	.513	.895		.088

TABLE NO. 47

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR68Z2S DURING KHARIF (2002).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 WATE PAN1	CONT PAN2	OV'L MEAN
1	SEEDTEC - 1205	1647	1	4429	1	3038	1	38.71	10.25	16.75
	CHECKS:									
2	SURYA	130	3	3641	3	1885	3	-	-	-
3	HIM - 129	1187	2	4017	2	2602	2	-	-	-
	MEAN YIELD=	988		4029		2508				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1489		628		1059				
	C.V. % =	35.03		3.62		-				
	F (Prob)	.090		.064						
	PLOT SIZE=	*6.00*		*6.00*		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	SEEDTEC - 1205	48.0	44.5	46.3	52.0	48.0	50.0	150	223	186
	CHECKS:									
2	SURYA	47.5	44.5	46.0	52.5	48.0	50.3	165	223	194
3	HIM - 129	49.5	42.0	45.8	54.0	46.5	50.3	118	225	171
	MEAN LOCATION	48.3	43.7	46.0	52.8	47.5	50.2	144	223	184
	C.D. AT 5%=	8.0	1.8	-	9.1	1.8	-	-	-	-
	C.V. % =	3.9	0.9	-	4.0	0.9	-	18.5	2.7	-
	F (Prob)	.618	.038	-	.675	.100	-	.377	.900	

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	SEEDTEC - 1205	58	95	76	13	33	23	4
	CHECKS:							
2	SURYA	50	90	70	3	26	15	18
3	HIM - 129	35	98	66	12	37	24	10
	MEAN LOCATION	48	94	71	9	32	21	11
	C.D. AT 5%=	-	-	-	-	-	-	11.5
	C.V. % =	56.2	5.7	-	33.6	8.4	-	25.5
	F (Prob)	.731	.500	-	.140	.105	-	.067

TABLE NO. 48

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR69Z2S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURES1 WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO - 311 WATE PAN1	CONT PAN2	OV'L MEAN
1	BH - 1620	4343	2	6395	3	5369	3	28.32	-	-
2	BH - 1434	4380	1	5752	4	5066	4	29.42	-	-
3	NECH - 105	3701	4	9538	1	6619	1	9.35	20.94	17.46
	CHECKS:									
4	PRO - 311	3384	5	7886	2	5635	2	-	-	-
5	DECCAN - 103	598	6	5617	5	3107	6	-	-	-
6	GANGA - 11	3919	3	4330	6	4124	5	15.79	-	-
	MEAN YIELD=	3387		6586		4987				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1871		1291		1581				
	C.V. % =	21.49		7.63		-				
	F (Prob)	.022		.001						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 48 (CONT.)

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE GANGA - 11 WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN
1	BH - 1620	10.82	47.69	30.18	57.0	51.0	54.0	60.0	55.0	57.5
2	BH - 1434	11.77	32.85	22.84	51.5	49.0	50.3	56.0	52.0	54.0
3	NECH - 105	-	120.28	60.50	53.0	48.5	50.8	57.0	52.0	54.5
	CHECKS:									
4	PRO - 311	-	82.14	36.64	56.0	51.0	53.5	60.0	54.5	57.3
5	DECCAN - 103	-	29.73	-	53.0	48.0	50.5	58.0	52.0	55.0
6	GANGA - 11	-	-	-	52.0	49.0	50.5	57.0	53.0	55.0
	MEAN LOCATION	-	-	-	53.8	49.4	51.6	58.0	53.1	55.5
	C.D. AT 5%=	-	-	-	5.9	0.7	-	5.5	1.5	-
	C.V. % =	-	-	-	4.3	0.6	-	3.7	1.1	-
	F (Prob)	-	-	-	.252	.001	-	.411	.011	-

TABLE NO. 48 (CONT.)

SI No	PEDIGREE	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN
1	BH - 1620	200	258	229	68	105	86	27	30	28
2	BH - 1434	185	225	205	65	100	83	29	36	32
3	NECH - 105	205	258	231	60	105	83	22	39	31
	CHECKS:									
4	PRO - 311	165	230	198	63	118	90	22	40	31
5	DECCAN - 103	153	233	193	49	95	72	7	40	24
6	GANGA - 11	210	225	218	80	105	93	24	34	29
	MEAN LOCATION	186	238	212	64	105	84	22	36	29
	C.D. AT 5%=	45.2	14.9	-	28.7	24.7	-	5.0	7.9	-
	C.V. % =	9.4	2.4	-	17.5	9.2	-	9.0	8.5	-
	F (Prob)	.098	.006	-	.300	.417	-	.001	.093	-

TABLE NO. 49

PERFORMANCE OF EXPERIMENTAL HYBRIDS AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR69Z3S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE PRO.- 311 WATE PAN1	CONT PAN2	OV'L MEAN
1	NECH - 105	5997	1	9095	1	7546	1	133.34	43.19	69.16
	CHECKS:									
2	PRO - 311	2570	2	6352	3	4461	2	-	-	-
3	DECCAN - 103	1970	3	6615	2	4292	3	-	4.14	-
4	GANGA - 11	716	4	2929	4	1823	4	-	-	-
	MEAN YIELD=	2813		6248		4530				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	2130		5163		3646				
	C.V. % =	23.79		25.96		-				
	F (Prob)	.014		.113						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 49 (CONT.0

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 103 WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN
1	NECH - 105	204.45	37.50	75.81	53.5	50.0	51.8	57.0	55.0	56.0
	CHECKS:									
2	PRO - 311	30.47	-	3.93	55.0	47.5	51.3	59.0	51.5	55.3
3	DECCAN - 103	-	-	-	52.0	48.5	50.3	56.0	52.0	54.0
4	GANGA - 11	-	-	-	54.5	50.0	52.3	59.0	55.0	57.0
	MEAN LOCATION	-	-	-	53.8	49.0	51.4	57.8	53.4	55.6
	C.D. AT 5%=	-	-	-	3.9	3.9	-	2.3	3.4	-
	C.V. % =	-	-	-	2.3	2.5	-	1.2	2.0	-
	F (Prob)	-	-	-	.252	.292	-	.052	.082	-

TABLE NO. 49 (CONT.)

SI No	PEDIGREE	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	NECH - 105	190	258	224	55	105	80	30	37	34	4
	CHECKS:										
2	PRO - 311	180	233	206	70	100	85	18	34	26	8
3	DECCAN - 103	165	225	195	55	105	80	21	40	31	9
4	GANGA - 11	190	228	209	73	100	86	9	34	21	11
	MEAN LOCATION	181	236	208	63	103	83	19	36	28	8
	C.D. AT 5%=	-	-	-	-	-	-	12.6	9.4	-	6.2
	C.V. % =	8.7	7.5	-	15.4	14.9	-	20.6	8.2	-	24.7
	F (Prob)	.460	.388	-	.309	.971	-	.045	.284	-	.121

TABLE NO. 50

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR70Z2S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT WATE PAN1	CONT PAN2	OV'L MEAN
1	HKH - 1170	4493	6	6072	4	5283	5	5.19	29.74	18.03
2	HKH - 1171	6374	2	6957	3	6666	3	49.22	48.66	48.93
3	X - 46172	7833	1	8880	1	8357	1	83.39	89.74	86.71
4	BIO - 91116	5106	4	8349	2	6727	2	19.53	78.40	50.31
	CHECKS:									
5	NAVJOT	4271	7	4680	7	4476	7	-	-	-
6	DECCAN - 107	4589	5	5813	5	5201	6	7.43	24.20	16.20
7	KH 510	5655	3	5737	6	5696	4	32.39	22.59	27.27
	MEAN YIELD=	5474		6641		6058				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	3296		1801		2548				
	C.V. % =	24.61		11.08		-				
	F (Prob)	.249		.010						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 50 (CONT.)

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 WATE PAN1	CONT PAN2	OV'L MEAN	KH 510 WATE PAN1	CONT PAN2	OV'L MEAN
1	HKH - 1170	-	4.46	1.58	-	5.83	-
2	HKH - 1171	38.91	19.69	28.17	12.72	21.26	17.02
3	X - 46172	70.71	52.77	60.68	38.52	54.78	46.71
4	BIO - 91116	11.27	43.63	29.35	-	45.52	18.10
	CHECKS:						
5	NAVJOT	-	-	-	-	-	-
6	DECCAN - 107	-	-	-	-	1.32	-
7	KH 510	23.24	-	9.53	-	-	-

TABLE NO. 50 (CONT.)

No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	DAYS TO 50 % POLLEN SHED CONT PAN2	DAYS TO 50 % POLLEN SHED OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	DAYS TO 50 % SILKING CONT PAN2	DAYS TO 50 % SILKING OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	PLANT HEIGHT (cm) CONT PAN2	PLANT HEIGHT (cm) OV'L MEAN
1	HKH - 1170	50.0	48.5	49.3	53.5	51.5	52.5	205	228	216
2	HKH - 1171	49.0	48.5	48.8	52.5	52.0	52.3	205	223	214
3	X - 46172	52.0	49.5	50.8	56.0	53.5	54.8	235	240	238
4	BIO - 91116	49.0	49.0	49.0	52.5	52.5	52.5	210	260	235
	CHECKS:									
5	NAVJOT	48.5	48.5	48.5	52.0	52.0	52.0	220	235	228
6	DECCAN - 107	49.0	49.0	49.0	53.5	53.0	53.3	210	253	231
7	KH 510	50.0	48.5	49.3	54.5	52.0	53.3	220	250	235
	MEAN LOCATION	49.6	48.8	49.2	53.5	52.4	52.9	215	241	228
	C.D. AT 5%=	2.1	0.8	-	3.2	0.9	-	35.8	32.9	-
	C.V. % =	1.7	0.7	-	2.5	0.7	-	6.8	5.6	-
	F (Prob)	.065	.135		.179	.018	-	.460	.195	-

TABLE NO. 50 (CONT.)

No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	EAR HEIGHT (cm) CONT PAN2	EAR HEIGHT (cm) OV'L MEAN	STAND AT HARVEST WATE PAN1	STAND AT HARVEST CONT PAN2	STAND AT HARVEST OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	HKH - 1170	80	100	90	33	39	36	6
2	HKH - 1171	85	95	90	33	40	36	4
3	X - 46172	95	100	98	34	36	35	5
4	BIO - 91116	75	110	93	26	36	31	10
	CHECKS:							
5	NAVJOT	90	108	99	24	27	25	7
6	DECCAN - 107	75	105	90	25	36	30	13
7	KH 510	80	110	95	34	33	33	7
	MEAN LOCATION	83	104	93	30	35	32	7
	C.D. AT 5%=	32.9	26.9	-	8.2	10.0	-	7.7
	C.V. % =	16.2	10.6	-	11.3	11.6	-	43.4
	F (Prob)	.705	.759	-	.061	.175	-	.237

TABLE NO. 51

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR70Z3S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT WATE PAN1	CONT PAN2	OV'L MEAN
1	JKMH - 168	5280	4	7197	2	6238	2	77.39	45.09	57.21
2	BIO - 81009	5485	3	6374	5	5930	5	84.29	28.51	49.43
3	BIO - 81096	6468	1	7089	4	6779	1	117.32	42.93	70.83
4	X - 46172	4291	6	7767	1	6029	3	44.17	56.59	51.93
5	BIO - 91116	4926	5	7096	3	6011	4	65.51	43.07	51.49
6	PRO - 345	3118	8	6343	6	4731	8	4.74	27.89	19.21
	CHECKS:									
7	NAVJOT	2976	9	4960	9	3968	9	-	-	-
8	DECCAN - 107	5726	2	5700	8	5713	6	92.37	14.92	43.97
9	KH - 510	3572	7	6072	7	4822	7	20.02	22.42	21.52
	MEAN YIELD=	4649		6511		5580				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	1615		2351		1983				
	C.V. % =	15.06		15.66		-				
	F (Prob)	.009		.306						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 51 (CONT.)

No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DECCAN - 107 WATE PAN1	CONT PAN2	OV'L MEAN	KH - 510 WATE PAN1	CONT PAN2	OV'L MEAN
1	JKMH - 168	-	26.26	9.20	47.80	18.52	29.37
2	BIO - 81009	-	11.83	3.79	53.55	4.98	22.97
3	BIO - 81096	12.97	24.37	18.66	81.07	16.75	40.58
4	X - 46172	-	36.26	5.53	20.12	27.91	25.03
5	BIO - 91116	-	24.50	5.23	37.90	16.87	24.66
6	PRO - 345	-	11.29	-	-	4.47	-
	CHECKS:						
7	NAVJOT	-	-	-	-	-	-
8	DECCAN - 107	-	-	-	60.28	-	18.47
9	KH - 510	-	6.53	-	-	-	-

TABLE NO. 51 (CONT.)

SI No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	JKMH - 168	52.0	49.5	50.8	56.5	53.5	55.0	200	240	220
2	BIO - 81009	49.0	47.5	48.3	53.0	51.0	52.0	230	253	241
3	BIO - 81096	50.0	48.5	49.3	54.0	52.5	53.3	215	215	215
4	X - 46172	51.5	49.5	50.5	56.0	53.0	54.5	193	240	216
5	BIO - 91116	50.0	47.5	48.8	53.5	51.5	52.5	215	238	226
6	PRO - 345	50.5	49.0	49.8	54.5	53.0	53.8	185	245	215
	CHECKS:									
7	NAVJOT	48.5	46.0	47.3	53.0	50.5	51.8	200	250	225
8	DECCAN - 107	49.0	47.0	48.0	53.5	49.5	51.5	210	260	235
9	KH - 510	49.0	48.0	48.5	53.0	52.0	52.5	200	233	216
	MEAN LOCATION	49.9	48.1	49.0	54.1	51.8	53.0	205	241	223
	C.D. AT 5%=	3.7	4.2	-	4.2	3.3	-	57.6	25.8	-
	C.V. % =	3.2	3.8	-	3.4	2.7	-	12.2	4.6	-
	F (Prob)	.434	.602	-	.473	.223	-	.762	.091	-

TABLE NO. 51 (CONT.)

SI No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	JKMH - 168	70	90	80	32	38	35	8
2	BIO - 81009	85	90	88	32	34	33	5
3	BIO - 81096	75	88	81	31	38	34	10
4	X - 46172	70	103	86	29	38	33	4
5	BIO - 91116	75	85	80	30	40	35	10
6	PRO - 345	78	95	86	24	33	28	8
	CHECKS:							
7	NAVJOT	60	108	84	21	36	29	17
8	DECCAN - 107	70	108	89	29	38	33	9
9	KH - 510	65	95	80	25	36	31	13
	MEAN LOCATION	72	96	84	28	37	32	9
	C.D. AT 5%=	22.7	16.5	-	5.0	8.1	-	5.5
	C.V. % =	13.7	7.5	-	7.8	9.6	-	26.5
	F (Prob)	.455	.084	-	.008	.558	-	.013

TABLE NO. 52

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR71Z2S DURING KHARIF (2002)

No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURES] WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE MEGHA WATE PAN1	CONT PAN2	OV'L MEAN
1	X - 2002	4027	1	7755	1	5891	1	23.74	93.64	62.30
2	BISCO - 203	2599	3	5375	3	3987	2	-	34.21	9.84
	CHECKS:									
3	MEGHA	3255	2	4005	5	3630	3	-	-	-
4	P E H M - 2	2335	4	4318	4	3327	5	-	7.83	-
5	MAHI KANCHAN	1110	6	2290	6	1700	6	-	-	-
6	X - 3342	1570	5	5390	2	3480	4	-	34.60	-
	MEAN YIELD=	2483		4855		3669				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	2046		2587		2317				
	C.V. % =	32.07		20.72		-				
	F (Prob)	.092		.030						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 52 (CONT.)

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE P E H M - 2 WATE PAN1	CONT PAN2	OV'L MEAN	X - 3342 WATE PAN1	CONT PAN2	OV'L MEAN
1	X - 2002	72.47	79.58	77.09	156.53	43.86	69.28
2	BISCO - 203	11.31	24.47	19.85	65.56	-	14.56
	CHECKS:						
3	MEGHA	39.38	-	9.11	107.31	-	4.30
4	P E H M - 2	-	-	-	48.74	-	-
5	MAHI KANCHAN	-	-	-	-	-	-
6	X - 3342	-	24.83	4.62	-	-	-

TABLE NO. 52 (CONT.)

SI No	PEDIGREE	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	X - 2002	48.5	48.0	48.3	52.5	52.0	52.3	218	245	231
2	BISCO - 203	52.0	50.0	51.0	56.0	54.0	55.0	220	220	220
	CHECKS:									
3	MEGHA	49.0	48.5	48.8	52.0	52.5	52.3	230	250	240
4	P E H M - 2	49.0	48.0	48.5	52.0	52.0	52.0	183	220	201
5	MAHI KANCHAN	49.5	44.0	46.8	53.5	48.0	50.8	205	245	225
6	X - 3342	49.5	46.0	47.8	53.5	50.0	51.8	145	230	188
	MEAN LOCATION	49.6	47.4	48.5	53.3	51.4	52.3	200	235	218
	C.D. AT 5%=	2.7	3.3	-	2.1	3.3	-	47.3	55.1	-
	C.V. % =	2.1	2.7	-	1.6	2.5	-	9.2	9.1	-
	F (Prob)	.138	.046	-	.029	.046	-	.037	.603	-

TABLE NO. 52 (CONT.)

SI No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	X - 2002	85	90	88	28	40	34	16
2	BISCO - 203	80	93	86	22	28	25	12
	CHECKS:							
3	MEGHA	103	103	103	31	40	36	9
4	P E H M - 2	75	90	83	20	40	30	17
5	MAHI KANCHAN	70	80	75	11	28	19	13
6	X - 3342	75	103	89	13	38	25	13
	MEAN LOCATION	81	93	87	21	36	28	13
	C.D. AT 5%=	35.6	23.5	-	8.9	7.7	-	6.6
	C.V. % =	17.1	9.8	-	16.7	8.4	-	19.8
	F (Prob)	.361	.276	-	.010	.018	-	.212

TABLE NO. 53

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR72Z12S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	GRAIN YIELD % SUPERIORITY OVER THE SURYA WATE PAN1	CONT PAN2	OV'L MEAN
1	A H - 421	1580	2	4804	1	3192	1	12.13	73.39	52.74
	CHECKS:									
2	SURYA	1409	3	2771	3	2090	3	-	-	-
3	HIM - 129	2092	1	2848	2	2470	2	48.51	2.78	18.19
	MEAN YIELD=	1694		3474		2584				
	MEAN STAND	-		-		-				
	C.D. AT 5%=	2088		1056		1572				
	C.V. % =	28.65		7.06		-				
	F (Prob)	.482		.022						
	PLOT SIZE=	6.00		6.00		-				
	AGRONOMY DATA:									
	SOWING DATE(2002)	28-06		28-06		-				
	HARVEST DATE(2002)	1-10		1-10		-				
	IRRIGATION Nos	-		-		-				
	FERTILIZER APPLIED N	120		120		-				
	P	60		60		-				
	K	-		-		-				

TABLE NO. 53 (CONT.)

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129 WATE PAN1	CONT PAN2	OV'L MEAN	50% POLL. SHED WATE PAN1	50 % SILK. WATE PAN1	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN
1	A H - 421	-	68.70	29.23	49.5	54.0	150	210	180
	CHECKS:								
2	SURYA	-	-	-	48.5	52.5	165	210	188
3	HIM - 129	-	-	-	48.0	52.5	148	185	166
	MEAN LOCATION	-	-	-	48.7	53.0	154	202	178
	C.D. AT 5%=	-	-	-	4.6	5.3	71.9	46.5	-
	C.V. % =	-	-	-	2.2	2.3	10.8	5.4	-
	F (Prob)	-	-	-	.500	.500	.609	.219	-

TABLE NO. 53 (CONT.)

SI No	PEDIGREE	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY /PLOT WATE PAN1
1	A H - 421	40	88	64	14	37	26	21
	CHECKS:							
2	SURYA	55	85	70	16	31	23	13
3	HIM - 129	50	70	60	20	30	25	12
	MEAN LOCATION	48	81	65	17	32	25	15
	C.D. AT 5%=	35.1	78.1	-	21.1	5.3	-	17.6
	C.V. % =	16.9	22.4	-	29.4	3.8	-	26.6
	F (Prob)	.364	.648	-	.563	.043	-	.255

TABLE NO. 54

PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT PANTNAGAR WATERLOGED, PANTNAGAR CONTROL IN TRIAL No. TR72Z3S DURING KHARIF (2002).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE WATE PAN1	R	CONT PAN2	R	OV'L MEAN	R	DAYS TO 50 % POLLEN SHED WATE PAN1	CONT PAN2	OV'L MEAN	DAYS TO 50 % SILKING WATE PAN1	CONT PAN2	OV'L MEAN
1	D - 994	2808	2	4518	2	3663	2	47.0	44.0	45.5	51.0	48.0	49.5
2	D - 995	1220	3	4286	3	2753	3	48.0	43.5	45.8	52.5	48.0	50.3
3	BAU - (FS) V1	4481	1	7148	1	5815	1	48.5	44.0	46.3	52.5	48.0	50.3
	CHECKS:												
4	SURYA	1087	4	3184	5	2135	4	48.0	42.5	45.3	51.5	47.5	49.5
5	HIM - 129	415	5	3234	4	1824	5	47.5	42.0	44.8	51.5	47.0	49.3
	MEAN YIELD=	2002		4474		3238		47.8	43.2	45.5	51.8	47.7	49.8
	MEAN STAND	-		-		-		-	-	-	-	-	-
	C.D. AT 5%=	1856		2462		2159		3.8	1.1	-	4.5	0.9	-
	C.V. % =	33.39		19.82		-		2.8	0.9	-	3.1	0.7	-
	F (Prob)	.017		.047				.832	.020	-	.836	.104	-
	PLOT SIZE=	6.00		6.00		-							
	AGRONOMY DATA:												
	SOWING DATE(2002)	28-06		28-06		-							
	HARVEST DATE(2002)	1-10		1-10		-							
	IRRIGATION Nos	-		-		-							
	FERTILIZER APPLIED N	120		120		-							
	P	60		60		-							
	K	-		-		-							

TABLE NO. 54 (CONT.)

No	PEDIGREE	PLANT HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	EAR HEIGHT (cm) WATE PAN1	CONT PAN2	OV'L MEAN	STAND AT HARVEST WATE PAN1	CONT PAN2	OV'L MEAN	MORTALITY / PLOT WATE PAN1
1	D - 994	165	225	195	65	95	80	23	36	29	15
2	D - 995	133	200	166	40	85	63	16	36	26	10
3	BAU - (FS) V1	198	230	214	75	95	85	26	39	32	13
	CHECKS:										
4	SURYA	138	215	176	35	98	66	20	35	27	10
5	HIM - 129	115	220	168	35	90	63	12	28	20	16
	MEAN LOCATION	150	218	184	50	93	71	19	35	27	13
	C.D. AT 5%=	29.0	16.4	-	25.6	47.3	-	7.9	13.8	-	5.4
	C.V. % =	7.0	2.7	-	18.4	18.4	-	14.9	14.4	-	15.7
	F (Prob)	.007	.038	-	.033	.941	-	.036	.427	-	.116

ENTOMOLOGY

PROGRESS REPORT- KHARIF 2002

A total of 367 entries were screened for *Chilo partellus* based on leaf injury level on 1-9 scale. In the first year of advance evaluation trials, eight lines from medium maturity period and two lines from early maturity period were found resistant. In the second year of advance evaluation trials, four, two, three and two lines were found to be resistant in the full season, medium duration, early duration and extra early duration lines respectively. While screening the germplasm for quality protein maize, one, two, one and three germplasm were found resistant for QPM-1, QPM-2, QPM-3 and QPM-4 respectively.

Only one resistant line could be selected in the 15 lines screened for SCT. In screening of 69 lines of Asian Maize Borer Tolerant Downy Mildew Resistant Population, 20 lines were found resistant.

Some chemical insecticides and biopesticides were evaluated against *C. partellus* and *S. inferens*. Recommended doses of Decis, Fipronil, Endosulfan, Imidacloprid, Multineem, NSKE and Biolep were used. The level of infestation and the severity of damage was observed to be in increasing order. There was significant bearing of these pesticides on yield, which was recorded in decreasing order. Among the seven pesticides tested Decis 2.8 EC at 0.7ml/L was found to be the best.

To estimate the post harvest losses caused by insects, work on screening of varieties has been carried out. The level of resistance was determined based on development period and larval mortality and grain weight loss. Out of thirty-five maize varieties screened against Khapra beetle, *Trogoderma granarium*, none of the varieties were found immune to this insect. On the basis of percent weight loss Surya, Dhawal, Ageti 76, Prabhat, D-765, Ashwini, Gujarat Makki-1 and Harsha varieties were found to be relatively resistant. Irrespective of the varieties, maximum weight loss was in embryo fraction followed by pericarp and endosperm. Weight loss in entire seed on dry weight basis was maximum in Madhuri followed by Basi local and NLD. Hence these varieties were placed in most susceptible group. Among forty- two QPM inbred lines tested against *Sitophilus oryzae*, nine lines were recorded as relatively resistant against the test insect.

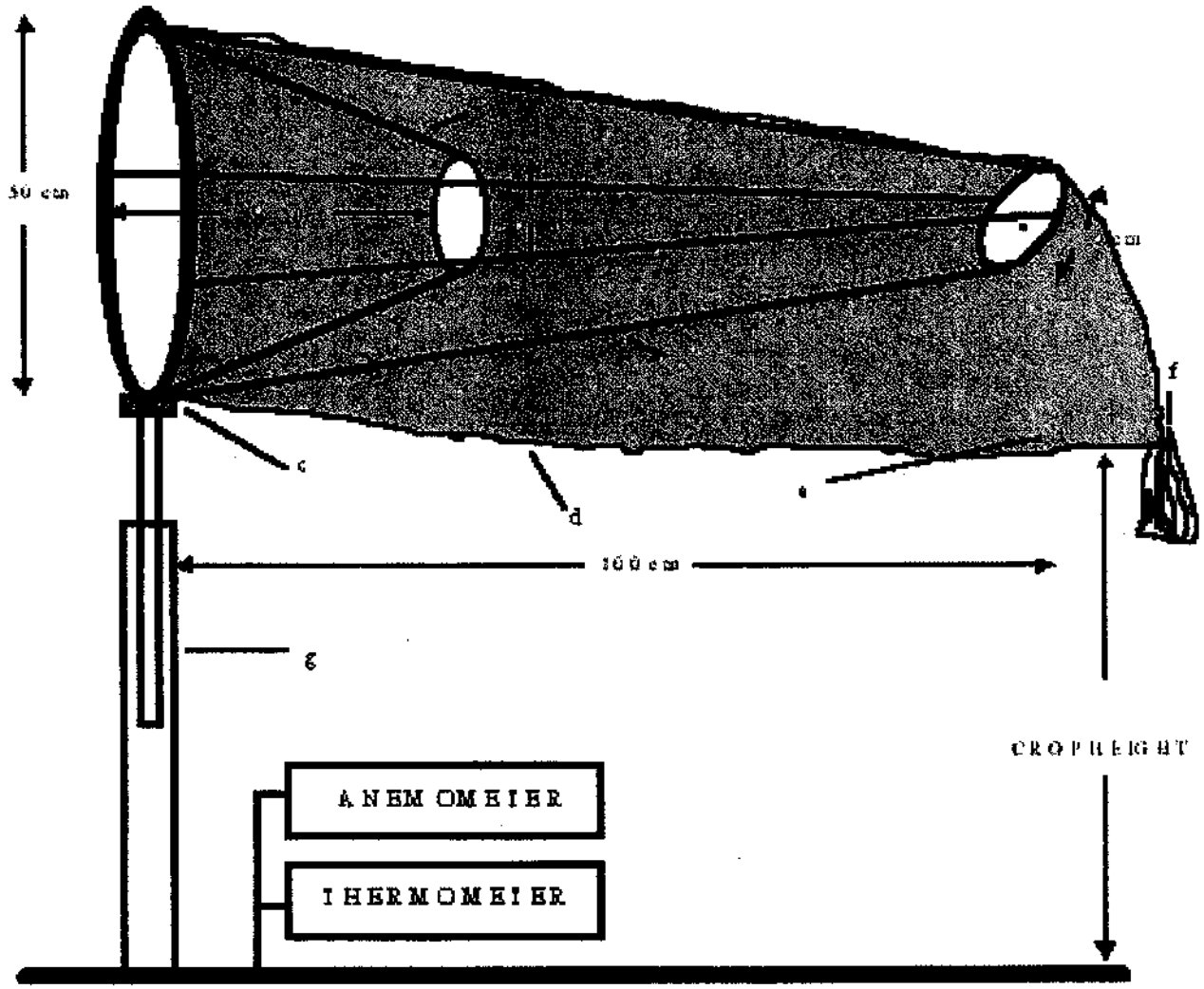
For improving the mass rearing technology of insect pests, an insect handling device has been developed at headquarters. This device improves the efficiency of handling mass reared insects in the laboratory. Though any stage of the insect can be collected mechanically in the container of any shape or size, the only requirement is that it should be permeable to air which in any case an insect container has to be. The device had improved the efficiency in collecting lepidopterous insect like *Chilo, Sesamia, Corcyra* and the like. The workers also do not get exposed to the scales, which are health hazardous. It is equally suitable for handling beneficial insects.

Mass rearing of *Corcyra cephalonica* for the production of *Trichogramma chilonis* has been initiated at headquarters. The laboratory is now equipped for meeting the requirement of *Trichogramma* for our IPM trials in ensuing year.

The crop during last Kharif receive setback because of the prevailing drought and therefore some of our programmes could not be undertaken.

The aerial insect trap has been standardized this year and the complete specifications have been filed for obtaining patent. The Aerial Insect Trap is used for quantitative and qualitative estimation of the flying insects in the field. It is comprised of an entrapment held horizontally over an upright, which provides free rotation to the entrapment and orient the opening of the entrapment against the wind direction. The entrapment is a barrel shaped body with both of its ends open. One of the ends is fixed with a hollow truncated cone which nests inside of the body of the barrel while other end of the barrel opens into a broad sleeve, which is kept tied from the other end thus forming a sac like structure. The narrow opening of the cone remains free in the core of the barrel. The sleeve is permeable to air. The wind enters through the truncated cone and pass through the sac. The insects by their own flight and the small insects with the gush of the wind enter the cone and get trapped in the cavity of the barrel and sleeve. The trapped insects find it difficult to escape. The trapped insects are removed by untying the sleeve as and when required. The trap is mounted on an upright with a telescopic arrangement for adjusting the height of the entrapment. The trap catches all types of flying insects and the insect collection represent the unbiased natural population of the area when it is used, since it contains no lure in it.

AERIAL-INSECT TRAP



Content

Table 1. Full Season Maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Udaipur
1	F - 2784	1.1	5.6
2	X - 2006	2.1	6.0
3	BISCO - 851	1.1	5.7
4	PAC 70005	1.1	6.2
5	NECH - 110	1.0	6.5
6	BIO - 92327	1.5	5.8
7	JKMH - 370	1.0	5.2
8	F - 1550	2.1	6.5
9	GANGA - 11	1.0	7.0
10	PRO - 311	1.1	7.3
11	DECCAN - 103	1.1	8.6
12	BIO - 9681	1.0	5.8

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 2. Screening of maize germplasms (Trial 65 AET 1st Year Zone 4 Full Season Maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Kol.	Hyd.
1	BIO - 92327	1.0	6.9	6.3
2	GANGA - 11	1.8	4.6	7.6
3	PRO - 311	1.2	7.7	7.8
4	DECCAN - 103	2.4	6.8	6.8
5	BIO - 9681	1.6	7.1	

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 3 Screening of maize germplasms (Trial 65 AET 1st Year Zone 2 Full Season Maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Ludh.	Karnl.
1	J H - 10269	1.4	5.5	8.4
2	F - 9572 A	1.0	4.7	7.3
3	GANGA - 11	1.5	4.9	7.1
4	PRO - 311	1.0	4.1	8.0
5	DECCAN - 103	1.5	4.4	7.1
6	BIO - 9681	1.9	4.2	7.3

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 4 Screening of maize germplasms (Trial 65 AET 1st Year Zone 3 Full Season Maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Ludh.	Karnl.
1	P M Z - 234	1.4	6.2	4.0
2	JKMH - 1090	1.3	3.9	7.0
3	F - 1562	1.3	3.8	4.3
4	GANGA - 11	1.3	5.8	8.0
5	PRO - 311	1.4	3.9	7.7
6	DECCAN - 103	1.4	5.6	4.9
7	BIO - 9681	1.3	6.2	8.0

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 5. Screening of maize germplasms (Trial 66 AET 1st Year Zone 5 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Udaipur
1	A H - 1121	1.3	8.9
2	A H - 1122	2.1	8.2
3	A H - 1152	1.0	8.6
4	A H - 1154	1.2	8.7
5	EC - 3110	1.7	9.0
6	HKH - 1191	1.0	8.8
7	D - 003	2.0	8.9
8	U M H - 1	1.7	8.7
9	U M H - 2	2.3	8.8
10	E C - 3116	1.3	8.7
11	BIO - 92218	1.0	8.3
12	JKMH - 1080	1.5	8.8
13	SEEDTEC - 6234	1.7	8.8
14	KAVERI - 235	1.4	8.9
15	KH 510	1.2	8.6
16	NAVJOT	2.2	8.3
17	DECCAN - 107	2.0	8.7

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 6. Screening of maize germplasms (Trial 66 AET 1st Year Zone 1 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Ludh.
1	EC - 3116	1.6	5.0
2	L - 173	1.1	3.6
3	HKH - 1191		5.4
4	U M H - 1	2.0	7.1
5	KAVERI - 235	1.0	3.2
6	BISCO - 3123	1.2	2.6
7	P R O - 349	1.2	2.6
8	NECH - 112	1.1	3.8
9	NECH - 113	1.0	4.2
10	X - 2003	1.3	4.1
11	P M Z - 131	1.0	3.9
12	BIO - 92218	1.6	2.9
13	JKMH - 1080	1.4	3.6
14	AAMH - 204	1.1	3.3
15	AAMH - 206	1.1	5.4
16	KH 510	1.0	3.4
17	NAVJOT	1.0	4.4
18	DECCAN - 107	1.3	4.0

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 7. Screening of maize germplasms (Trial 66 AET 1st Year Zone 2 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Ludh.	Karnl.
1	L - 173	1.0	5.9	7.3
2	EC - 3116	1.2	3.6	5.9
3	HKH - 1206	1.0	4.7	5.0
4	KAVERI - 235	1.4	3.1	7.1
5	PAC 70004	1.4	4.1	5.1
6	NECH - 113	1.0	5.2	4.5
7	X - 2003	1.0	5.6	5.0
8	PAC 70003	1.0	4.7	5.5
9	JKMH - 1080	1.0	6.6	7.6
10	SEEDTEC - 6234	1.0	4.3	5.7
11	FILLER (BIO 9681)	1.0	5.3	7.3
12	KH 510	1.3	5.8	5.5
13	NAVJOT	1.0	3.6	5.3
14	DECCAN - 107	1.0	6.3	5.8

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 8. Screening of maize germplasms (Trial 66 AET 1st Year Zone 3 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		*Delhi***	*Ludh.*	*Karnl.*
1	L - 173	1.7	5.1	7.0
2	L - 157	1.6	3.0	5.2
3	L - 161	1.0	4.5	6.5
4	L - 169	1.4	4.2	5.9
5	U M C - 13	1.0	4.4	6.0
6	D - 003	1.2	4.6	5.0
7	HKH - 1191	1.2	5.2	4.3
8	BH - 2398	1.5	6.2	4.8
9	A H - 1121	1.0	4.5	4.6
10	A H - 1154	1.2	4.8	6.5
11	BIO - 92218	1.0	2.9	5.5
12	PAC 70003	1.0	4.2	4.6
13	P M Z - 131	1.0	2.6	4.9
14	BISCO - SURAJ 11	1.0	3.8	7.3
15	X - 2003	1.0	3.0	5.9
16	JKMH - 1080	1.2	3.4	5.0
17	KH 510	1.0	2.0	4.1
18	NAVJOT	1.6	4.2	6.0
19	DECCAN - 107	1.0	3.7	4.3

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 9. Screening of maize germplasms (Trial 66 AET 1st Year Zone 4 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		*Delhi***	*Kol.*	*Hyd.*
1	HKH - 1206	1.6	5.9	8.3
2	BH - 2398	1.1	7.8	7.6
3	U M C- 13	1.2	7.1	6.8
4	BIO - 92218	1.3	6.6	7.3
5	JKMH - 1080	3.4	5.8	8.5
6	SEEDTEC - 6234	1.0	6.3	6.8
7	NECH - 112	1.0	2.8	6.8
8	KAVERI - 235	1.0	7.3	7.6
9	P M Z - 131	1.0	6.9	8.3
10	KH 510	1.0	7.3	7.6
11	NAVJOT	1.0	7.4	8.3
12	DECCAN - 107	1.1	5.8	7.9

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 10. Screening of maize germplasms (Trial 67 AET 1st Year Zone 1 HKH - 1206

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi	Ludh.
1	SEEDTEC - 1204	1.3	3.6
2	PAC 70002	1.0	2.7
3	PAC 70001	1.0	5.5
4	BIO - 92109	1.4	4.4
5	X - 3342	1.0	5.7
6	PEHM - 2	1.5	4.7
7	MAHI KANCHAN	1.4	5.3
8	MEGHA	1.2	7.6

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 11. Screening of maize germplasms (Trial 67 AET 1st Year Zone 5 early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Udaipur
1	R - 9803	1.0	8.8
2	F H - 3161	1.0	8.7
3	SEEDTEC - 1202	1.7	8.8
4	BIO - 92136	1.3	9.0
5	X - 3342	1.6	9.5
6	MEGHA	1.1	8.5
7	PEHM - 2	1.0	8.8
8	MAHI KANCHAN	1.3	8.5

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 12. Screening of maize germplasms (Trial 67 AET 1st Year Zone 3 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Ludh.
1	R - 9803	1.0	6.6
2	X - 3342	1.7	4.4
3	MEGHA	1.1	6.0
4	PEHM - 2	1.0	5.2
5	MAHI KANCHAN	1.9	6.8

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 13. Screening of maize germplasms (Trial 68 AET 1st Year Zone 1,3,4 extra early maturity) to C. *partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*				
		Delhi**	Ludh.	Kol.	Hyd.	Kaml.
1	F H - 3186	1.0	3.1	6.5	7.1	5.2
2	F H - 3176	1.0	2.5	2.9	7.7	6.0
3	HIM - 129	1.0	4.3	6.5	7.5	5.9
4	SURYA	1.2	3.6	6.3	8.4	5.1

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 14. Screening of maize germplasms (Trial 67 AET 1st Year Zone 4 early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Kol.	Hyd.
1	PAC 70001	1.2	6.0	7.5
2	BIO - 92109	1.8	6.9	8.1
3	SEEDTEC - 1202	1.8	5.5	8.1
4	BISCO - 208	3.1	6.5	8.8
5	BIO - 92136	1.6	6.8	8.2
6	X - 3342	3.3	6.5	8.3
7	MEGHA	1.9	6.6	8.6
8	PEHM - 2	3.4	5.2	8.4
9	MAHI KANCHAN	1.4	6.7	6.6

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 15. Screening of maize germplasms (Trial 68 AET 1st Year Zone 2 (Extra early maturity) to *C. partellus* during Kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Ludh.	Karnl.
1	SEEDTEC-1205	3.6	7.5
2	HIM - 129	5.2	7.3
3	SURYA	3.9	7.8

* Maximum leaf injury score per plant is 9.

Table 16. Screening of maize germplasms (Trial 68 AET 1st Year Zone 5 extra early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*
		Udaipur
1	F H - 3186	8.9
2	VL 97	8.5
3	E C - 3108	8.5
4	HIM - 129	8.3
5	SURYA	8.4

* Maximum leaf injury score per plant is 9.

Table 17. Screening of maize germplasms (Trial 69 AET 2nd Year Zone 1 full season maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.
1	B H - 1015	2.9
2	NECH – 105	5.0
3	GANGA – 11	5.8
4	PRO - 311	4.7
5	DECCAN - 103	4.6

* Maximum leaf injury score per plant is 9.

Table 18. Screening of maize germplasms (Trial 69 AET 2nd Year Zone 2 full season maturity) to C. *partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Ludh.	Kami.
1	BH - 1620	1.0	2.3	5.5
2	BH - 1434	1.0	3.3	4.5
3	NECH - 105	1.0	3.4	4.1
4	GANGA - 11	1.0	5.4	4.0
5	PRO - 311	1.0	3.3	6.5
6	DECCAN - 103	1.0	3.2	4.7

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 19 Screening of maize germplasms (Trial 69 AET 2nd Year Zone 3 full season maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.
1	NECH - 105	3.5
2	GANGA - 11	3.8
3	PRO - 311	3.5
4	DECCAN - 103	3.7

* Maximum leaf injury score per plant is 9.

Table 20. Screening of maize germplasms (Trial 69 AET 2nd Year Zone 4 full season maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Hyd.	Kol.
1	NECH - 105	7.0	5.0
2	F- 8007	6.9	5.6
3	GANGA - 11	8.8	3.1
4	PRO - 311	8.1	5.7
5	DECCAN - 103	7.6	5.7

* Maximum leaf injury score per plant is 9.

Table 21. Screening of maize germplasms (Trial 69 AET 2nd Year Zone 5 full season maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*
		Udaipur
1	NECH - 109	6.2
2	NECH - 105	6.9
3	GANGA - 11	8.1
4	PRO - 311	7.3
5	DECCAN - 103	7.3

* Maximum leaf injury score per plant is 9.

Table 22. Screening of maize germplasms (Trial 70 AET 2nd Year Zone 5 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Udaipur
1	BIO - 91116	1.5	5.5
2	R - 9702	1.0	6.0
3	B H - 1576	1.7	5.9
4	A H - 915	2.6	5.9
5	PRO 345	1.1	5.0
6	KH 510	2.0	5.9
7	NAVJOT	1.0	6.3
8	DECCAN - 107	1.1	7.5

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 23. Screening of maize germplasms (Trial 70 AET 2nd Year Zone 1 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*
		Ludh.
1	BIO-91009	3.1
2	BIO-81096	4.2
3	KH 510	2.5
4	NAVJOT	4.0
5	DECCAN - 107	2.2

* Maximum leaf injury score per plant is 9.

Table 24. Screening of maize germplasms (Trial 70 AET 2nd Year Zone 2 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Delhi**	Ludh.	Karnl.
1	HKH - 1170	1.2	3.1	
2	HKH - 1171	1.3	4.5	4.7
3	X - 46172	1.3	3.3	4.8
4	BIO - 91116	1.4	2.5	6.9
5	KH 510	1.0	3.2	4.5
6	NAVJOT	1.0	4.8	4.2
7	DECCAN - 107	1.0	4.5	7.4

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 25. Screening of maize germplasms (Trial 70 AET 2nd Year Zone 3 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Delhi**	Ludh.
1	JKMH - 168	1.2	3.7
2	BIO - 81009	1.5	4.4
3	BIO - 81096	1.3	4.2
4	X - 46172	1.5	3.3
5	BIO - 91116	1.0	4.3
6	PRO 345	1.3	5.2
7	KH 510	1.4	2.8
8	NAVJOT	1.0	8.3
9	DECCAN - 107	1.3	5.8

* Maximum leaf injury score per plant is 9, ** Natural infestation

Table 26. Screening of maize germplasms (Trial 70 AET 2nd Year Zone 4 medium maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Hyd.	Karnl.
1	R 9702	7.0	4.5
2	BH 1576	8.2	6.5
3	AH 918	6.6	
4	KH 510	7.1	4.8
5	NAVJOT	7.6	4.1
6	DECCAN - 107	7.1	4.0

* Maximum leaf injury score per plant is 9

Table 27. Screening of maize germplasms (Trial 71 AET 2nd Year Zone 1 early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.
1	EC - 1108	5.3
2	F H - 3138	5.0
3	X - 3342	3.3
4	MEGHA	5.2
5	PEHM - 2	2.9
6	MAHI KANCHAN	5.2

* Maximum leaf injury score per plant is 9.

Table 28. Screening of maize germplasms (Trial 71 AET 2nd Year Zone 2 early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.	Karnl.
1	X - 2002	3.7	4.0
2	BISCO - 203 2	2.7	4.5
3	X - 3342	2.0	5.2
4	MEGHA	3.9	4.6
5	PEHM - 2	2.5	4.0
6	MAHI KANCHAN	4.3	5.2

* Maximum leaf injury score per plant is 9.

Table 29. Screening of maize germplasms (Trial 71 AET 2nd Year Zone 4 early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Kol.	Hyd.
1	R - 9701	6.3	8.5
2	P R O - 340	7.0	8.8
3	F H - 3113	5.1	7.0
4	X - 3342	5.3	7.7
5	MEGHA	5.7	7.9
6	PEHM - 2	6.4	8.0
7	MAHI KANCHAN	5.7	7.7

* Maximum leaf injury score per plant is 9.

Table 30. Screening of maize germplasms (Trial 72 AET 2nd Year Zone 1,2 extra early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.	Karnl.
1	A H - 421	3.2	4.9
2	HIM - 129	2.7	4.6
3	SURYA	2.7	4.1

* Maximum leaf injury score per plant is 9.

Table 31. Screening of maize germplasms (Trial 72 AET 2nd Year Zone 3 extra early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.
1	D - 994	5.0
2	D - 995	6.5
3	*BAU - (FS)	5.6
4	HIM - 129	6.3
5	SURYA	5.7

* Maximum leaf injury score per plant is 9.

Table 32. Screening of maize germplasms (Trial 72 AET 2nd Year Zone 4 extra early maturity) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Kol.	Hyd.
1	EC - 3108	5.6	7.3
2	A H - 421	7.1	7.9
3	HIM - 129	6.9	7.9
4	SURYA	6.4	8.1

* Maximum leaf injury score per plant is 9.

Table 33. Screening of Quality Protein Maize germplasms (Trial QPM-1) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Kol.	Ludh.
1	J H - QPM - 15	6.2	3.4
2	J H - QPM - 29	5.1	3.9
3	J H - QPM - 42	5.4	6.1
4	J H - QPM - 78	6.3	3.5
5	J H - QPM - 79	7.1	4.8
6	J H - QPM - 80	4.6	7.0
7	J H - QPM - 81	5.7	4.3
8	HQPM - 1	4.7	5.4
9	HQPM - 2	5.8	3.9
10	HQPM - 3	6.1	3.0
11	B-QPMH - 12	6.3	4.0
12	B-QPMH - 024	5.8	6.4
13	B-QPMH - 31	6.0	4.8
14	B-QPMH - 32	4.7	4.9
15	B-QPMH - 33	6.3	3.5
16	SHAKTIMAN - 1	4.3	6.2
17	GANGA - 11	6.7	6.3
18	SHAKTI - 1	5.4	5.5

* Maximum leaf injury score per plant is 9.

Table 34. Screening of Quality Protein Maize germplasms (Trial QPM-2) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		KoL.	Ludh.
1	J H QPM - 24	2.9	4.2
2	J H QPM - 26	4.3	4.2
3	J H QPM - 56	5.1	3.4
4	J H QPM - 82	5.2	3.8
5	J H QPM - 83	4.3	3.5
6	J H QPM - 84	5.0	3.0
7	X P 0101	4.6	3.4
8	X P 0102	4.9	3.5
9	X P 0103	3.0	4.2
10	X P 0104	5.6	4.0
11	SHAKTI - 1	5.1	6.3
12	DECCAN - 107	5.4	5.4

* Maximum leaf injury score per plant is 9.

Table 35. Screening of Quality Protein Maize germplasms (Trial QPM-3`) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*		
		Kol.	Ludh.	Hyd.
1	SHAKTIMAN - 1	5.4	4.9	7.2
2	GANGA – 11	6.6	5.8	6.9
3	SHAKTI - 1	6.4	4.9	7.7
4	CML - 142 x CML – 150	4.4	2.9	7.0
5	CML - 175 x CML - 176	5.0	4.2	7.0

* Maximum leaf injury score per plant is 9.

Table 36. Screening of Quality Protein Maize germplasms (Trial QPM-4) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant*	
		Kol.	Ludh.
1	(SO\SN BULK 2 BULK SN5 CC - BULK 16 - 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-xO -3-B-2-B-#-xO)	6.7	2.7
2	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	5.3	2.3
3	SHAKTI - 1	6.1	2.0
4	NAVJOT	5.8	3.0
5	DECCAN - 107	6.6	4.4

* Maximum leaf injury score per plant is 9.

Table 37. Screening of SCT Maize germplasms (Trial SCT - 5) to *C. partellus* during kharif, 2002

Entry No.	Pedigree	Mean leaf injury score per plant* Ludh.
1	J H wx - 21	3.7
2	J H wx - 22	3.7
3	J H wx - 23	5.3
4	J H ae - 4	4.4
5	J H ae - 5	3.8
6	J H ae - 6	3.1
7	J H ae - 7	2.8
8	B-HOMH - 11	3.6
9	B-HOMH - 12	4.2
10	GLUTENIOUS WAXY VCM -xO-xO-#	6.3
11	KISAN WAXY -2-6-xOb	7.2
12	TEMP. x TROP. HIGH OIL QPMC -16	4.8
13	SHAKTIMAN-1	3.7
14	NAVJOT	5.4
15	GANGA - 11	4.5

* Maximum leaf injury score per plant is 9.

Table 38. Collaborative Project on development of Asian Maize Borer Tolerant Downy Mildew Resistant Population (AMBT DMR) Reaction of late yellow (LY)-Kharif 2002 Ludhiana

S.No	Pedigree	Mean damage grade (1-9 seale)
1	LY-D-3-3-4-3-1-1	3.6
2	LY-D-3-3-4-3-1-2	4.6
3	LY-D-5-4-1-2-1	4.8
4	LY-D-5-4-1-2-2	3.7
5	LY-L-26-2-5-2-1-1	3.1
6	LY-L-26-2-5-2-1-1	2.5
7	LY-L-30-2-2-3-1-1	2.2
8	LY-L-30-2-2-3-1-2	2.7
9	LY-L-30-2-2-4-1-1	3.7
10	LY-L-30-2-2-4-2-1	2.9
11	LY-L-30-2-2-4-2-2	4.0
12	LY-L-30-2-2-4-1-1	3.3
13	LY-L-30-2-2-4-1-2	3.5
14	LY-L-30-2-5-2-2-1	2.6
15	LY-L-30-2-5-2-2-2	2.5
16	LY-L-30-2-5-4-1-1	6.1
17	LY-L-30-2-5-4-1-2	3.9
18	LY-L-30-2-5-4-1-1	2.1
19	LY-L-30-2-5-4-1-2	4.1
20	LY-L-38-2-3-4-2-1	2.1
21	LY-L-30-2-2-3-2-1	3.0
22	LY-L-30-2-2-3-2-2	2.6
23	LY-L-30-2-2-3-2-3	2.5
24	LY-L-30-2-2-3-2-4	2.8
25	LY-L-38-2-1-2-2-1	4.5
26	LY-L-38-2-1-2-2-2	2.5
27	LY-L-38-2-1-2-2-1	3.4
28	LY-L-38-2-1-2-2-2	4.7
29	LY-L-38-2-1-2-2-3	4.3

Table 39. Collaborative Project on development of Asian Maize Borer Tolerant Downy Mildew Resistant Population (AMBT DMR) Reaction of late yellow (LY)-Kharif 2002 Ludhiana

S.No	Pedigree	Mean damage grade (1-9 seale)
1	EY-D-8-1-1-1-1	4.9
2	EY-D2-8-1-3-3-2	2.0
3	EY-D2-9-2-1-1-1	6.6
4	EY-D2-12-1-2-3-3	8.2
5	EY-D2-12-1-2-4-3	6.6
6	EY-D2-12-1-2-4-4	5.8
7	EY-D2-12-1-2-5-2	3.5
8	EY-D2-12-1-2-6-4	2.9
9	EY-D2-12-1-3-2-3	2.7
10	EY-D2-12-1-3-2-5	5.1
11	EY-D2-12-2-1-2-4	7.0
12	EY-D2-12-2-3-2-5	4.8
13	EY-D2-12-2-3-4-2	7.6
14	EY-D1-12-2-3-5-3	9.0
15	EY-D1-12-2-4-1-1	8.6
16	EY-D1-12-2-4-1-2	3.9
17	EY-D1-12-2-4-1-3	7.7
18	EY-D1-12-2-4-2-1	5.0
19	EY-D1-12-2-4-2-2	7.0
20	EY-D1-12-2-4-2-3	6.1
21	EY-D1-12-2-4-2-4	6.9
22	EY-D1-12-2-5-2-1	8.5
23	EY-D1-12-2-5-3-3	7.0
24	EY-D1-12-2-5-3-4	7.8
25	EY-D1-12-2-5-3-5	5.9
26	EY-D1-12-2-5-6-1	8.3
27	EY-D1-12-2-5-7-4	8.3
28	EY-D1-16-3-1-3-3	6.9
29	EY-D1-16-3-2-1-3	4.7
30	EY-D1-16-3-2-4-1	7.4
31	EY-D1-16-3-2-4-3	7.4
32	EY-D1-16-3-2-7-3	2.9
33	EY-D1-16-3-4-1-1	3.0
34	EY-D1-16-3-4-1-2	3.8
35	EY-D1-16-3-4-2-2	2.6
36	EY-D1-16-3-5-1-2	2.9
37	EY-D1-23-2-4-2-6	7.4
38	EY-D1-23-2-4-3-1	7.6
39	LM-5	8.0
40	CM-500	3.5

Table-40: Maize Insect Pests Trap Nursery, *Kharif*-2002 (Kolhapur)

Sr. No.	Inbred line	Stemborer *C.partellus* (% plant infestation)			Grass Hoppers (%plant infested)		Army worm. (No. of larvae/ 10 plants)		*Myllocerus* weevils (No. of Adults per 10 plants)		Leaf roller (% infested plants)	*Helicoverpa* (% infested cobs)	Flea beetles % tassel infested)	Lady bird beetles		Ladybird beetles (No. of Adults per plants)	
		1*	2*	3*	1	2	2	3	2	3	2	3	3	1	3	1	3
1.	CM-104	0	5	5	05	10	2	1	3	4	12	2	0	5	10	2	3
2.	CM-105	18	18	18	15	25	2	0	2	1	0	0	0	0	0	0	0
3.	CM-111	20	20	20	10	15	3	0	2	0	0	5	0	0	0	0	0
4.	CM-115	Not Germinated															
5.	CM-120	05	10	10	05	15	0	0	1	1	0	0	0	5	15	1	2
6.	CM-123	16	16	16	08	18	1	1	2	2	0	0	0	0	0	0	0
7.	CM-125	05	05	05	00	15	2	0	2	1	0	4	0	0	0	0	0
8.	CM-201	00	05	05	12	20	3	0	0	2	10	0	5	5	20	1	3
9.	CM-209	00	08	08	15	25	1	0	1	0	0	0	0	0	0	0	0
10.	CM-210	05	10	10	05	20	1	1	2	0	0	5	0	0	15	0	2
11.	CM-300	21	21	21	15	25	2	2	1	1	5	4	5	0	10	0	3
12.	CM-400	18	18	18	15	20	3	2	1	2	3	0	0	2	15	1	2
13.	CM-500	05	05	05	00	10	2	0	3	1	0	5	10	5	15	1	3
14.	CM-501	15	15	15	8	15	2	0	2	1	8	4	7	0	18	0	2
15.	CM-600	08	08	08	15	20	1	0	2	2	0	5	5	0	10	0	3

1. **Date of sowing:** 29.06. 2002
2. **Date of germination:** 5.07. 2002
3. **Dates of observation:** 1*) 20.7. 2002 2*) 20.08. 2002 3*) 25.09.2002
   i.e. on 15, 45 and 80 days after germination.

Table: 41 Field evaluation of some Insecticides and Bio-pesticides against *Stem borer, Chilo partellus* under artificial Infestation in *Rabi* Maize

S.No	Treatment	Dead Heart (%)		Infested plants + Dead Heart (%)		Damage Rating (1-9)	Grain yield at 5% moisture (q/ha)
		Mean	Arcsin	Mean	Arcsin		
1.	Decis-2.8 EC 0.7 ml/lit	0.00	0.00	5.55	13.49	1.09	42.84
2.	Fipronil 5 EC 2 ml/lit	1.11	3.49	9.99	18.27	1.43	39.99
3.	Endosulfan 35EC 400 ml/ha	5.55	13.49	22.55	28.31	2.43	35.84
4.	Imidacloprid 200 SL 75 ml/250 lit	11.26	19.56	54.05	47.38	4.77	31.41
5.	Multineem 0.03% 5 ml/lit	41.10	39.87	100.00	90.00	7.31	21.63
6.	N.S.K.E. 5%	39.27	38.78	100.00	90.00	7.10	22.04
7.	Biolep (Bt.k.) 1 g/lit	69.08 (56.31)	56.31	100.00	90.00	7.83	10.67
8.	Control (Untreated)	69.99	56.81	100.00	90.00	7.56	10.55
	SE ±		1.83		1.46	-	1.14
	CD (0.05)		5.52		4.43		3-46

91-73

1. *Maize variety*: Shaktiman-1
2. Spray fluid: 250 L/ha
3. One spray 14 days after germination
4. Infestation: Next day after spraying
5. Plot size: 3.75 x 1.5 m (Net)
6. Spacing: 75 x 25 cm
7. Date of sowing: 15.9.2002
8. *Date of germination*: 21.9.2002
9. Date of spraying: 3.10.2002
10. Date of infestation: 4.10.2002
11. Date of observation: 9.11.2002

Table 42: Total population of *T. granarium* obtained from different maize varieties

Variety	Mean number of progeny beetles	Mean number of immature stages	Total population	Sex ratio (Male: Female)
Madhuri	73.50 (8.525)	58.25 (7.625)	131.75 (11.425)	1:1.09
DHM 103	61.00 (7.725)	59.00 (7.650)	120.00 (10.875)	1:1.18
Basi local	50.50 (7.100)	48.50 (6.975)	99.00 (9.900)	1:0.73
Varun	44.75 (6.700)	57.25 (7.700)	102.00 (10.175)	1:0.75
Trishulata	42.75 (6.550)	47.00 (6.875)	89.75 (9.425)	1:0.99
BH 1527	42.75 (6.550)	63.00 (7.975)	105.75 (10.250)	1:0.75
Ashwini	41.25 (6.350)	42.25 (6.470)	83.50 (9.125)	1:0.75
D 765	40.25 (6.300)	16.50 (4.100)	56.75 (7.475)	1:0.85
Pusa composite -1	33.25 (5.800)	54.50 (7.350)	87.75 (9.275)	1:0.96
Harsha	33.25 (5.800)	54.50 (7.325)	87.75 (9.275)	1:0.93
Pusa composite-2	32.25 (5. 725)	40.25 (6.375)	72.50 (8.500)	1:0.67
CM 500	32.25 (5.725)	64.00 (8.000)	96.25 (9.775)	1:0.82
NLD composite	31.25 (5.575)	44.00 (6.600)	75.25 (8.625)	1:0.80
DHM -101	31.00 (5.575)	50.25 (7.125)	81.25 (9.025)	1:0.69
L.M.-5	30.50 (5.475)	55.75 (7.475)	86.25 (9.225)	1:0.82
Shakti-1	30.25 (5.425)	58.75 (7.670)	89.0 (9.400)	1:0.80
CM-140	30.50 (5.525)	59.25 (7.700)	89.75 (9.450)	1:0.58
Arun	29.25 (5.450)	24.00 (4.900)	53.25 (7.275)	1:0.91
Kiran	27.25 (5.180)	50.00 (7.050)	77.25 (8.825)	1:0.79
Renuka	25.25 (5.050)	54.00 (7.325)	79.25 (8.875)	1:0.73

Ageti-76	25.75 (5.030)	52.00 (7.220)	77.75 (8.800)	1:0.74
NE Composite	24.25 (4.925)	79.75 (8.925)	104.0 (10.198)	1:0.69
Amber pop corn	23.25 (4.830)	85.25 (9.250)	108.5 (10.375)	1:0.63
Yangshipa early	23.00 (4.830)	33.25 (5.750)	56.25 (7.450)	1:0.73
Prabhat	23.00 (4.750)	45.00 (6.625)	68.00 (8.125)	1:0.80
DHM 105	22.00 (4.670)	78.75 (8.900)	100.75 (10.000)	1:0.47
Mahi kanchan	21.00 (4.550)	42.75 (6.550)	63.75 (7.925)	1:0.70
AEB (Y)	21.00 (4.550)	66.25 (8.120)	87.25 (9.300)	1:0.50
EBR	20.50 (4.500)	54.75 (7.770)	75.25 (8.675)	1:0.49
Gujarat makki-2	19.00 (4.380)	38.25 (6.175)	57.25 (7.550)	1:0.55
Surya	18.00 (4.200)	21.25 (4.575)	39.25 (6.450)	1:0.95
Kissan	16.25 (4.075)	27.50 (5.250)	43.75 (6.575)	1:0.59
Gujarat makki –1	10.25 (3.250)	22.00 (4.675)	32.25 (5.650)	1:0.95
Dhawal	9.50 (3.130)	47.00 (6.800)	56.50 (7.400)	1:0.80
Win pop corn	5.75 (2.450)	46.50 (6.725)	52.25 (7.125)	1:0.77
SEm	0.358	0.563	0.492	
CD at 1%	1.458	2.291	2.003	
CD at 5%	1.064	1.672	1.462	

-Figures within parenthesis are square root values and those outside bracket are original values

- No. of pairs released 5
- Age of pairs 0-12 Hrs old
- Replication 4
- Observation up to 60 days
- Sample size 20 grains/replicate

Table 43: Weight loss caused by *T. granarium* in different maize varieties

Variety	Weight loss (g) per 20 grain	Percent weight loss	Number of damaged grain per 20 grain	Percent damaged grain
Pusa composite-1	2.366	58.53 (49.948)	16.75	83.75 (66.933)
Varun	1.751	54.96 (47.915)	15.75	78.75 (66.515)
Madhuri	1.565	54.80 (47.870)	15.50	77.50 (61.720)
Mahi kanchan	2.358	50.19 (45.925)	16.25	81.25 (65.713)
Kiran	1.980	47.82 (43.628)	13.75	68.75 (60.000)
Yangshipa early	1.978	47.03 (43.148)	13.75	68.75 (56.975)
Gujarat makki-2	1.688	44.94 (42.015)	14.75	73.75 (59.780)
NE Composite	1.904	41.18 (39.885)	15.00	75.00 (60.520)
Amber pop corn	1.313	38.41 (37.998)	16.25	81.25 (64.693)
Basi local	1.106	35.52 (36.340)	16.50	82.50 (69.060)
Pusa composite-2	1.609	32.08 (35.670)	10.50	52.50 (46.435)
NLD composite	1.475	31.95 (35.370)	14.75	73.50 (59.433)
CM 140	1.158	31.55 (34.028)	14.00	70.00 (56.985)
Arun	1.480	31.49 (33.805)	11.25	56.25 (48.750)
CM-500	1.451	31.23 (33.318)	16.25	81.25 (64.610)
Renuka	1.336	29.70 (32.478)	12.75	63.75 (53.350)
BH 1527	1.468	28.70 (32.268)	13.75	68.75 (56.157)
Kisan	1.162	25.00 (29.383)	9.50	47.50 (42.413)
EBR	1.1.09	25.20 (29.248)	12.50	62.50 (52.518)
Shakti-1	1.202	24.04 (28.880)	13.00	65.00 (53.975)

DHM 101	0.720	23.76 (28.515)	13.00	65.00 (53.795)
Win popcorn	0.642	23.53 (27.845)	8.25	41.25 (39.933)
DHM 103	1.140	22.28 (27.543)	16.25	81.25 (67.557)
AEB(Y)	1.122	21.45 (27.253)	11.00	55.00 (48.032)
LM-5	1.138	21.00 (27.123)	12.75	63.75 (53.350)
DHM105	1.163	20.72 (26.975)	14.00	70.00 (56.890)
Trishulata	1.316	19.73 (25.953)	15.30	76.50 (61.215)
Harsha	1.028	18.40 (24.830)	13.50	67.50 (55.683)
Gujarat Makki-1	0.996	18.20 (24.025)	13.75	68.75 (56.360)
Ashwini	0.899	16.23 (22.820)	11.25	56.25 (48.625)
D 765	0.772	13.28 (21.105)	12.25	61.25 (51.573)
Prabhat	0.843	13.23 (19.958)	10.25	51.25 (45.718)
Ageti-76	0.670	11.82 (19.250)	8.50	42.50 (40.635)
Dhawal	0.396	6.48 (14.958)	8.75	43.75 (41.375)
Surya	0.324	5.38 (12.793)	8.00	40.00 (39.193)
Sem		3.740		4.132
CD at 5%		11.114		12.279
CD at 1%		15.224		16.820

- Figures in parentheses are angular transformed values
- No. of pairs released 5
- Age of pairs 0-12 Hrs old
- Replication 4
- Observation up to 60 days
- Sample size 20 grains/replicate

Table 44: Percent loss on dry weight basis in entire seed and different kernel fractions

Varieties	Grain status	Weight of 20 seeds (g)		% loss on dry wt. basis	Kernel fractions on dry weight basis					
		Fresh	Dry		Peric arp	Loss%	Embryo	Loss%	Endo-sperm	Loss%
Amber popcorn	H I	2.963 2.460	2.557 2.078	18.73 (25.52)	0.233 0.190	18.45 (24.91)	0.306 0.213	30.39 (32.930)	2.018 1.675	16.99 (24.20)
Win popcorn	H I	2.820 2.345	2:389 2.010	15.86 (23.087)	0.224 0.125	44.19 (42.537)	0.240 0.129	46.25 (41.153)	1.925 1.756	8.77 (16.21)
AEB(Y)	H I	5.804 5.416	5.074 4.768	6.03 (14.160)	0.389 0.354	8.99 (6.857)	0.611 0.528	13.58 (21.030)	4.074 3.886	4.61 (12.253)
Ageti-76	H I	5.912 5.580	5.245 5.013	4.42 (8.487)	0.413 0.380	7.99 (16.00)	0.585 0.497	15.04 (22.477)	4.257 4.136	2.84 (8.5)
Prabhat	H I	6.517 5.995	5.676 5.262	7.29 (15.307)	0.550 0.543	1.27 (6.507)	0.737 0.661	10.31 (16.507)	4.389 4.059	7.54 (15.553)
Surya	H I	6.329 5.421	5.594 4.792	14.33 (22.25)	0.457 0.397	13.1 (19.19)	0.666 0.531	20.27 (26.690)	4.471 3.864	13.57 (21.527)
D 765	H I	5.711 4.690	4.623 4.127	10.72 (18.970)	0.276 0.255	7.6 15.043	0.480 0.302	37.08 (37.883)	3.867 3.570	7.68 (15.873)
Dhawal	H I	6.258 4.690 5.146	5.557 4.530	18.48 (27.08)	0.456 0.350	23.2 (28.58)	0.701 0.435	37.9 (36.60)	4.400 3.745	14.9 (21.807)
Trishulata	H I	6.778 5.964	5.885 5.184	11.91 (19.65)	0.367 0.331	9.80 (17.113)	0.707 0.604	14.6 (19.797)	4.811 3.747	11.7 (17.767)

BH 1527	H I	5.207 4.647	4.652 4.093	12.00 (19.77)	0.428 0.382	10.7 (19.257)	0.542 0.289	46.7 (43.073)	3.682 3.422	7.1 (12.837)
DHM-103	H I	5.322 4.244	4.631 3.764	18.72 (24.567)	0.300 0.198	34.0 (35.767)	0.632 0.292	53.8 (47.153)	3.699 3.274	11.5 (19.507)
Ashwini	H I	5.685 4.948	5.024 4.385	12.72 (20.608)	0.363 0.291	19.83 (26.223)	0.622 0.436	29.90 (32.873)	4.039 3.658	9.43 (17.40)
Madhuri	H I	2.858 1.019	2.280 0.706	69.07 (56.1)	0.391 0.148	62.14 (51.957)	0.573 0.128	78.07 (62.157)	1.316 0.430	67.32 (54.843)
Basi local	H I	3.303 2.013	2.922 1.695	41.99 (40.180)	0.160 0.111	30.62 (33.420)	0.318 0.188	40.88 (39.303)	2.444 1.396	42.88 (39.980)
LM-5	H I	5.464 4.273	4.543 3.726	14.73 (25.13)	0.326 0.205	37.1 (37.737)	0.470 0.250	46.80 (43.26)	3.747 3.271	12.70 (20.903)
NLD composite	H I	4.401 2.461	3.864 2.114	45.28 (42.23)	0.230 0.088	61.73 (51.690)	0.500 0.128	74.40 (59.37)	3.134 1.898	39.43 (38.9)
Sem				2.253		3.106		4.201		3.364
CD at 5%				6.695		9.227		12.482		9.995
CD at 1%				9.171		12.640		17.099		13.691

Figure within parenthesis are angular transformed values those without bracket are original values
Test insect: *T. granarium*
H = Healthy uninfected
I = Infested

Table 45. Varietal influence on development of *T. granarium* in different maize varieties

Variety	Duration in Days				
	Incub-ation period	Larval period	Pupal period	Total develop-ment period	Adult longevity
Win pop corn	4.467	22.533	5.267	32.267	13.77
Surya	4.333	23.767	4.700	32.800	14.63
Dhawal	4.167	21.883	4.833	30.833	14.50
Kisan	4.100	22.700	4.667	31.467	11.33
Basi local	3.367	20.733	4.567	28.667	13.40
Amber pop corn	3.900	21.033	5.033	29.967	12.60
Pusa comp-osite-1	3.667	21.267	4.667	29.600	13.87
SEm	0.106	0.507	0.199	0.447	--
CD at 5%	0.332	1.599	0.626	1.408	N.S.
CD at 1%	0.403	1.941	0.759	1.709	--

Figures denote mean of 30 replications each

Table 46: Varietal influence on larval development

S.No	Larval instal	Win pop corn	Surya	Dhawal	Kisan	Basi local	Amber popcorn	Pusa composite -1
1.	Duration (Days)							
	I instar	6.70	6.03	5.86	6.23	6.13	5.86	5.93
	II instar	4.58	4.59	4.24	4.44	4.27	4.48	4.50
	III instar	3.96	4.07	4.10	4.20	3.86	3.79	3.89
	IV instar	4.11 (38.46)	3.96 (16.0)	3.75 (29.63)	4.06 (37.04)	3.17 (42.86)	4.24 (51.72)	4.03 (41.38)
	V instar	4.50 (57.69)	4.60 (52.0)	4.20 (48.5)	4.63 (44.44)	4.00 (50.0)	4.42 (44.83)	3.70 (41.38)
	VI instar	5.0 (3.85)	4.12 (32.0)	3.80 (18.51)	4.80 (18.52)	4.50 (7.14)	5.00 (3.45)	4.00 (17.24)
	VIII instar	-	-	3.00 (3.70)	-	-	-	-
2.	Number							
	Both sexes	4.65	5.16	4.89	4.82	4.71	4.51	4.72
	Males	4.18	4.55	4.33	4.25	4.25	4.0	4.2
	Females	5.0	5.50	5.31	5.25	5.06	4.93	5.0
3.	Mortality	13.33	16.67	10.0	10.0	6.67	3.33	3.33

Figure within parenthesis indicates percent pupation after respective instar

Table- 47. Screening for resistance of QPM Inbred lines against *Sitophilus oryzae*

S. NO.	PEDIGREE	ORIGIN/ Hyd. 2001R	Mean number of progeny beetles	Per cent weight loss
1.	Shakti SO/SN HE 25# cc Bulk 50%-f-⊗-10-3-B-2-B-#-⊗	2502	21.7	10.91
2.	SO/SN Comp. bulk 2bulk SN^5 cc bulk 2-⊗-16-4-BBBB-#-⊗	2503	32.3	24.38
3.	Shakti SO/SN HE 25# cc Bulk 50%-f-⊗-10-3-B-1-B-#-⊗	2504	22.3	15.09
4.	CML 164 #	2510	24.0	15.04
5.	CML 170 #	2511	9.7	10.13
6.	SN Comp.Bulk SN^5 C.C. bulk ⊗-12-1-BB-DMR QPM-56-#	2514	16.3	9.13
7.	28 Full Sib Families (MS) ^{6} HECC. bulk ⊗-15-1-BB-DMR QPM-60-#	2515	10.3	4.36
8.	28 Full Sib Families (MS) ^{6} HE cc. bulk ⊗-1-4-BBBBB-##	2516	7.7	3.40
9.	28 Full Sib Families(MS)^6 HE cc. bulk ⊗-1-4-BBBBB-10-##	2518	18.0	6.90
10.	28 Full Sib Families(MS)^6 HE cc. bulk ⊗-6-3-B-1⊗BB DMR QPM-20-7#	2520	3.0	2.41

11.	DMR QPM-74-⊗	3011	25.7	12.89
12.	DMR QPM-28-⊗	3012	3.7	3.48
13.	DMR QPM-17-⊗	3013	32.3	27.31
14.	DMR QPM-41-⊗	3014	17.7	7.24
15.	DMR QPM-45-⊗	3015	34.0	28.59
16.	DMR QPM-53-⊗	3016	16.3	7.87
17.	DMR QPM-28-5-⊗	3019	15.0	11.40
18.	Tuxpeno Carib HE/02-f-##-⊗-4-⊗	3020	14.7	10.74
19.	CML 446	1039	12.0	11.06
20.	[G 15 C22 MH 131-1-3-4-1-2-4-10/89 {32/DRSTEW}#-31-1-2-B-B]-6-2-5-4-3-B-B-B-B	1688	16.0	8.31
21.	Pool 9A C6 R.L.6-1P-1P-1P-4P-1-1-B-B	1751	41.7	31.44
22.	CM 400	4030	25.0	16.10
23.	CM 300	4029	24.0	18.97
24.	CML-268	4049	7.0	4.11
25.	CML-269	4050	12.0	5.21
26.	TESTER CML 142	1122	9.7	4.62
27.	CML-432	1037	14.7	10.77
28.	CML-454	1047	13.0	5.46
29.	CML-305	1088	24.3	18.36
30.	CA049Y09	1185	3.7	1.79
31.	CA 14514	1196	34.3	20.02
32.	CA 34503	1216	15.3	9.90
33.	CLO 2836	1257	5.7	2.98
34.	POB.33 C3-142-2-1-1- B-B-B-B	1663	11.7	8.52
35.	AMATLCOHS44-1-1-2E-4-5-1-B-B-B-B	1773	7.0	5.73

36.	KT X 3752 F2-7-1-1-1- B-B-B-B-B	1784	18.3	10.87
37.	KT X 3752 F2-7-1-1-2- B-B-B-B-B	1785	15.0	6.91
38.	KT X 3752 F2-7-1-1-4- B-B-B-B-B	1786	10.7	7.92
39.	Nei 9002 B	2152	19.0	7.09
40.	Tester CML-287	1082	45.0	24.47
41.	B.T.V.C.M.BA 92 12-1-4 TL-1-3-1-B-B	1754	5.3	3.74
42.	B.T.V.C.BA 90 5-1-2-1-4-2-1-1-1-B-B	1752	20.3	12.56

- No. of pairs released 6
- Age of pairs 7 days old
- Replication 3
- Observation up to 60 days
- Sample size 20 grains/replicate

PATHOLOGY

Table1 Evaluation of maize genotypes (IET full-season maturity - Trial No.61 A) against major disease during 2002 K

SL. NO	Pedigree	MLB (1-5)				
		ALM	DHAU	LUD	DHO	KAR
1	JH-10521	1.0	1.0	0.0	2.8	2.0
2	UMH-39	1.3	2.0	1.5	2.0	1.0
3	BH-2355	1.3	2.0	0.0	2.6	1.5
4	BH-2358	1.3	1.0	1.0	3.0	1.0
5	BH-2523	1.3	1.0	0.0	3.2	1.0
6	BH-2528	1.0	3.0	0.0	3.0	2.0
7	HKH-1193	1.0	4.0	1.0	3.4	1.5
8	101501 x 101505	1.3	3.0	0.0	2.8	1.5
9	101502 x 101505	1.3	2.0	1.5	2.9	1.5
10	101503 x 101522	1.8	3.0	1.0	3.0	2.5
11	X 1231 H	1.5	3.0	1.5	2.9	2.5
12	MCH-1	1.3	2.0	0.0	3.4	1.0
13	MCH-3	1.3	1.0	2.5	3.2	1.0
14	VIPL 1804	1.8	4.0	1.0	3.0	1.0
15	X-2125	1.3	3.0	1.0	1.7	1.0
16	SEEDTEC - C 12	1.5	2.0	1.0	2.9	2.0
17	BISCO-167	1.3	2.0	0.0	3.0	1.0
18	PAC 71061	1.0	1.0	0.0	3.2	1.0
19	ROBUST	1.8	1.0	0.0	1.6	1.0
20	NECH-118	1.3	1.0	0.0	3.4	1.0
21	FILLER	1.3	3.0	1.0	3.0	1.5
22	JKMH-951	1.8	2.0	0.0	2.8	2.5
23	AAMH-441	1.3	3.0	0.0	2.6	2.0
24	GK-3046	1.3	2.0	2.5	2.9	2.0
25	PRUDWI-116	1.8	2.0	1.0	3.2	2.0
	CHECKS					
26	GANGA-11	1.5	1.0	0.0	3.4	2.5
27	PRO-311	1.5	1.0	1.0	3.0	1.0
28	DECCAN-103	2.0	2.0	2.0	3.2	1.5
29	BIO-9681	1.3	3.0	1.5	3.0	2.0
	CM-500	-	-	-	-	-
	CM 202	-	-	-	-	-
	MAI-120	-	-	-	-	-
	Basi	-	-	-	-	-
	Navjot	-	-	-	-	-

Table 1

SL. NO	Pedigree	TLB (1-5)					BLSB (1-5)	SDM (%)	
		ALM	BAJ	NAG	COIM	ARB	PANT	MAND	COIM
1	JH-10521	1.0	0.5	2.5	1.0	1.0	3.5	96.2	100.0
2	UMH-39	1.0	1.0	1.5	2.0	1.5	3.5	100.0	88.9
3	BH-2355	1.8	2.0	4.0	2.5	1.0	2.5	100.0	100.0
4	BH-2358	2.3	2.5	2.5	2.5	1.0	2.5	100.0	100.0
5	BH-2523	1.8	1.5	3.5	2.0	1.5	3.0	93.5	100.0
6	BH-2528	1.8	1.0	3.0	1.0	1.0	2.5	100.0	100.0
7	HKH-1193	1.0	2.0	2.5	1.5	1.5	3.5	13.8	100.0
8	101501 x 101505	2.5	1.5	3.5	2.5	2.0	3.5	100.0	100.0
9	101502 x 101505	1.3	1.5	3.0	1.0	1.5	3.0	100.0	100.0
10	101503 x 101522	1.0	1.5	3.5	1.5	1.5	3.5	100.0	100.0
11	X 1231 H	1.5	1.5	2.5	2.5	1.5	2.5	100.0	100.0
12	MCH-1	1.3	1.0	4.5	2.0	1.0	2.5	100.0	100.0
13	MCH-3	1.0	0.5	3.0	1.0	2.0	3.0	96.4	100.0
14	VIPL 1804	1.0	0.5	2.0	1.5	1.0	3.0	96.8	100.0
15	X-2125	1.5	1.5	3.5	2.5	2.0	3.5	100.0	100.0
16	SEEDTEC - C 12	2.0	1.5	3.0	2.0	1.0	3.0	93.7	100.0
17	BISCO-167	1.0	1.0	3.5	1.5	2.0	3.5	100.0	100.0
18	PAC 71061	1.0	1.0	2.0	1.0	1.0	3.5	91.4	81.3
19	ROBUST	2.3	0.5	3.0	1.5	1.5	3.0	100.0	100.0
20	NECH-118	1.3	1.0	3.5	2.5	1.5	3.0	21.8	87.1
21	FILLER	1.0	0.5	3.0	1.0	2.0	3.0	100.0	97.1
22	JKMH-951	1.0	1.5	1.5	1.0	2.5	3.0	92.8	100.0
23	AAMH-441	1.8	1.5	1.5	1.5	2.0	4.0	94.1	100.0
24	GK-3046	1.5	2.5	3.0	2.5	1.5	3.5	100.0	100.0
25	PRUDWI-116	1.5	3.0	2.5	2.0	1.5	3.0	88.2	100.0
	CHECKS								
26	GANGA-11	2.5	2.5	3.5	1.5	2.2	2.5	96.6	100.0
27	PRO-311	2.5	0.5	3.0	2.0	1.0	3.0	91.6	100.0
28	DECCAN-103	1.3	0.5	3.5	2.5	1.5	3.5	100.0	100.0
29	BIO-9681	1.3	1.5	1.5	2.0	3.0	3.5	100.0	100.0
	CM-500	-	-	-	2.0	-	-	100.0	100.0
	CM 202	-	-	-	-	4.8	-	-	-
	MAI-120	-	-	5.0	-	-	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 1

SL. NO	Pedigree	BSDM (1-5)		PFSR (1-9)		ESR (%)		C.RUST (1-5)
		DHAU	PANT	LUD	HYD	DHAU	PANT	ARB
1	JH-10521	1.0	1.0	4.2	6.9	36.3	20.0	1.5
2	UMH-39	1.0	1.0	4.1	6.9	60.5	0.0	2.8
3	BH-2355	1.0	1.0	3.7	6.1	30.0	0.0	1.0
4	BH-2358	1.0	1.0	4.3	7.2	25.0	0.0	2.0
5	BH-2523	1.0	1.5	5.0	3.6	0.0	0.0	3.5
6	BH-2528	1.0	1.0	4.5	6.0	6.0	0.0	1.0
7	HKH-1193	2.0	1.0	4.3	7.2	38.0	7.1	1.0
8	101501 x 101505	2.0	1.0	4.7	7.0	0.0	0.0	2.5
9	101502 x 101505	2.0	1.0	4.6	6.7	10.0	5.9	1.0
10	101503 x 101522	3.0	1.0	4.2	6.5	28.1	9.5	2.5
11	X 1231 H	2.0	1.0	3.5	6.0	16.0	7.7	3.0
12	MCH-1	2.0	1.0	5.0	6.9	35.2	16.6	2.0
13	MCH-3	1.0	1.0	5.2	6.0	30.7	99.9	4.0
14	VIPL 1804	1.0	1.5	4.3	6.9	50.0	20.0	2.5
15	X-2125	1.0	1.0	4.4	6.6	29.4	0.0	3.5
16	SEEDTEC - C 12	3.0	1.0	3.4	6.6	70.5	16.6	1.0
17	BISCO-167	2.0	1.0	4.4	6.6	50.0	6.2	1.0
18	PAC 71061	1.0	1.0	5.2	6.6	22.2	0.0	2.8
19	ROBUST	2.0	1.0	5.4	6.6	84.6	8.3	5.0
20	NECH-118	1.0	1.0	3.8	6.3	66.6	0.0	2.5
21	FILLER	2.0	1.0	5.2	6.5	14.2	11.7	2.5
22	JKMH-951	2.0	1.5	3.8	6.9	3.4	25.0	3.5
23	AAMH-441	2.0	1.0	4.8	7.2	12.5	5.5	3.0
24	GK-3046	2.0	1.0	4.9	6.1	34.7	13.3	3.8
25	PRUDWI-116	1.0	1.5	4.9	6.6	30.0	33.3	2.0
	CHECKS							
26	GANGA-11	2.0	1.0	5.2	6.6	70.5	15.4	3.0
27	PRO-311	1.0	1.0	5.5	6.3	27.2	18.1	1.0
28	DECCAN-103	2.0	1.0	4.6	6.9	53.8	0.0	1.0
29	BIO-9681	1.0	1.0	4.3	6.5	53.5	7.5	3.8
	CM-500	-	-	-	-	-	-	-
	CM 202	-	-	-	-	-	-	4.8
	MAI-120	-	-	-	-	-	-	-
	Basi	-	3.6	-	-	-	51.0	-
	Navjot	-	3.8	-	-	-	9.4	-

Table 2 Evaluation of maize genotypes (IET full-season maturity - Trial No.61 B) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	LUD	DHO	KAR
1	JH-10535	1.8	2.0	1.5	2.4	2.0
2	BH-2348	1.0	1.0	1.0	2.8	2.0
3	BH-2356	1.0	3.0	0.0	2.0	1.0
4	BH-2854	1.8	2.0	1.5	3.2	2.5
5	BH-2202	1.3	2.0	0.0	3.0	2.5
6	AH-01410	1.8	4.0	2.0	1.8	1.5
7	AH-01415	1.5	2.0	2.0	2.4	1.0
8	HKH-1215	1.3	1.0	1.0	3.5	1.0
9	101509 x 101515	1.3	3.0	1.5	3.2	1.0
10	101510 x 101515	1.5	1.0	2.0	3.0	2.0
11	101511 x 101515	1.3	2.0	1.0	2.8	1.5
12	X 1280 B	1.3	2.0	1.5	2.0	1.5
13	MCH-2	1.3	2.0	0.0	2.6	1.0
14	MCH-4	1.3	3.0	0.0	2.8	2.0
15	X-2001	1.8	4.0	2.5	3.0	2.0
16	SEEDTEC - C 11	1.5	4.0	1.0	2.6	1.5
17	BISCO-902	1.0	1.0	1.0	3.0	2.0
18	PRO-359	1.3	2.0	2.0	2.8	2.0
19	PAC 71062	1.0	2.0	1.0	3.0	2.0
20	NECH-117	1.0	1.0	1.0	3.2	2.0
21	BIO-20212	1.3	2.0	1.5	3.6	1.0
22	FILLER	1.5	2.0	3.0	3.4	1.5
23	POOJA	1.3	2.0	1.0	2.0	1.5
24	AAMH-459	1.0	1.0	0.0	2.4	1.5
25	GK-3047	1.0	2.0	2.0	2.9	1.5
	CHECKS					
26	GANGA-11	1.3	1.0	1.5	3.2	2.0
27	PRO-311	1.5	1.0	1.0	4.2	1.5
28	DECAN-103	2.0	3.0	2.5	3.5	1.0
29	BIO-9681	1.5	2.0	1.5	2.6	1.5
	CM-500	-	-	-	-	-
	CM202	-	-	-	-	-
	MAI-120	-	-	-	-	-
	Basi	-	-	-	-	-
	Navjot	-	-	-	-	-

Table 2

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	COIM	ARB	BLSB (1-5) PANT	SDM (%) MAND	COIM
1	JH-10535	1.8	4.0	3.0	1.0	1.5	3.5	100.0	100.0
2	BH-2348	2.8	3.0	2.0	2.5	1.0	3.0	100.0	100.0
3	BH-2356	1.5	1.0	3.0	2.5	1.5	2.5	100.0	100.0
4	BH-2854	1.5	3.0	4.0	2.0	1.5	3.0	100.0	100.0
5	BH-2202	1.3	1.5	3.0	1.5	1.5	3.0	100.0	100.0
6	AH-01410	1.3	2.0	4.0	2.5	1.5	3.0	52.6	100.0
7	AH-01415	1.3	1.5	3.0	1.5	1.0	3.0	86.4	100.0
8	HKH-1215	1.3	1.0	3.5	2.5	2.0	3.0	100.0	100.0
9	101509 x 101515	2.3	0.5	2.0	3.0	1.5	2.5	57.1	100.0
10	101510 x 101515	2.3	0.5	2.5	2.5	1.0	3.0	50.0	94.7
11	101511 x 101515	1.3	1.0	3.5	2.0	1.0	3.5	90.6	91.7
12	X 1280 B	1.5	3.0	3.0	1.5	2.0	3.0	97.2	100.0
13	MCH-2	2.0	2.5	3.5	1.5	2.0	3.0	100.0	100.0
14	MCH-4	1.0	1.5	4.0	2.5	2.5	3.0	100.0	100.0
15	X-2001	1.3	1.5	2.0	3.0	1.0	3.0	100.0	100.0
16	SEEDTEC - C 11	1.0	0.5	3.5	2.5	1.5	3.0	100.0	100.0
17	BISCO-902	1.0	1.5	4.0	2.5	1.5	3.0	100.0	100.0
18	PRO-359	1.0	1.0	2.0	2.0	1.5	3.5	97.2	100.0
19	PAC 71062	1.0	0.5	2.0	2.0	1.5	3.0	93.7	85.6
20	NECH-117	1.0	0.5	3.5	2.5	1.5	3.5	54.8	65.0
21	BIO-20212	2.5	0.5	3.0	2.5	1.0	2.0	96.8	100.0
22	FILLER	2.5	0.5	2.5	2.0	1.0	3.5	73.9	100.0
23	POOJA	3.0	0.5	2.0	2.0	2.0	3.0	100.0	100.0
24	AAMH-459	1.5	0.5	3.5	2.5	2.0	3.5	100.0	100.0
25	GK-3047	2.0	0.5	4.5	2.5	2.0	3.0	100.0	100.0
	CHECKS								
26	GANGA-11	2.8	1.5	4.0	2.0	2.0	3.5	86.9	100.0
27	PRO-311	1.3	2.5	3.0	1.5	2.0	3.0	87.8	92.4
28	DECAN-103	1.3	1.5	3.5	2.5	2.5	3.0	100.0	100.0
29	BIO-9681	2.0	2.5	2.0	1.0	1.5	3.0	86.8	100.0
	CM-500	-	-	-	2.5	-	-	100.0	100.0
	CM202	-	-	-	-	4.8	-	-	-
	MAI-120	-	-	5.0	-	-	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 2

SL. NO	Pedigree	BSDM (1-5) DHAU	BSDM (1-5) PANT	PFSR (1-9) LUD	PFSR (1-9) HYD	ESR (%) DHAU	ESR (%) PANT	C.RUST (1-5) ARB
1	JH-10535	4.0	1.0	3.8	6.5	61.5	15.7	4.6
2	BH-2348	1.0	1.0	4.4	6.6	50.0	0.0	1.5
3	BH-2356	1.0	1.0	3.2	6.4	50.0	0.0	1.5
4	BH-2854	1.0	1.0	4.1	6.8	35.2	11.9	3.5
5	BH-2202	1.0	1.0	4.6	6.0	47.3	0.0	2.8
6	AH-01410	2.0	1.5	4.4	6.5	21.0	40.0	2.8
7	AH-01415	3.0	1.0	4.5	6.1	23.0	0.0	1.0
8	HKH-1215	2.0	1.0	4.5	6.2	66.6	11.1	3.2
9	101509 x 101515	2.0	1.0	3.1	6.2	66.6	6.3	1.0
10	101510 x 101515	1.0	1.0	4.0	6.4	17.3	14.3	1.5
11	101511 x 101515	3.0	1.0	3.6	6.4	35.2	8.3	1.0
12	X 1280 B	1.0	1.0	4.5	6.8	26.9	0.0	1.5
13	MCH-2	1.0	1.0	3.0	6.8	36.8	0.0	3.0
14	MCH-4	2.0	1.0	4.4	6.8	55.0	6.6	3.2
15	X-2001	2.0	1.0	4.1	5.2	21.4	2.5	1.5
16	SEEDTEC - C 11	3.0	1.0	4.1	7.1	71.4	0.0	3.0
17	BISCO-902	3.0	1.0	4.7	6.3	60.0	22.2	3.0
18	PRO-359	1.0	1.0	4.5	7.0	5.5	0.0	2.8
19	PAC 71062	1.0	1.0	3.8	7.0	10.7	16.6	3.5
20	NECH-117	1.0	1.0	5.3	6.0	50.0	15.4	2.5
21	BIO-20212	1.0	1.0	4.4	6.6	42.1	23.5	1.0
22	FILLER	1.0	1.0	3.8	4.9	62.9	0.0	1.0
23	POOJA	1.0	1.0	4.4	7.4	21.7	15.0	3.0
24	AAMH-459	1.0	1.0	5.0	6.9	30.4	0.0	5.0
25	GK-3047	2.0	1.0	4.3	7.1	47.2	2.5	4.0
	CHECKS							
26	GANGA-11	2.0	1.0	4.7	7.0	32.1	0.0	5.0
27	PRO-311	1.0	1.0	4.2	5.0	25.0	5.5	4.0
28	DECAN-103	1.0	1.0	4.3	6.7	28.5	0.0	3.5
29	BIO-9681	1.0	1.0	4.5	7.4	13.5	0.0	3.5
	CM-500	-	1.0	-	-	-	-	-
	CM202	-	-	-	-	-	-	4.8
	MAI-120	-	-	-	-	-	-	-
	Basi	-	2.4	-	-	-	51.0	-
	Navjot	-	1.4	-	-	-	9.4	-

Table 3 Evaluation of maize genotypes(IET medium maturity - Trial No.62 A) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	LUD	DHO	KAR
1	WC-14-1 (DBM)	1.8	2.0	3.0	2.9	1.0
2	EH-30969	2.5	3.0	3.0	3.2	2.0
3	EC-3121	1.8	3.0	1.5	3.0	2.0
4	BH-2359	1.8	2.0	1.5	2.0	1.5
5	HKH-1169	1.3	3.0	0.0	2.8	2.0
6	HKH-1199	1.8	3.0	2.5	3.2	2.0
7	HKH-1208	1.5	2.0	1.0	2.6	2.0
8	AH-017047	2.0	2.0	2.5	2.4	2.0
9	L-166	2.0	3.0	0.0	1.8	1.5
10	X 1231 K	1.5	2.0	1.5	2.9	2.0
11	MCH-7	1.0	1.0	0.0	3.6	2.0
12	X-26	1.5	3.0	3.0	4.0	2.5
13	SEEDTEC-1081	1.3	2.0	2.5	3.8	2.5
14	BISCO-1102	1.5	1.0	1.0	2.0	2.0
15	PMZ-237	2.0	1.0	1.5	3.4	2.0
16	NECH-120	1.0	1.0	0.0	3.2	2.5
17	FILLERI	1.8	1.0	3.0	2.8	1.5
18	JKMH-1001	1.3	3.0	1.5	1.7	1.5
19	MAHABEEJ-1100	2.0	3.0	0.0	3.2	1.5
20	AAMH-513	1.5	2.0	1.0	3.0	2.0
21	STAR-2001	1.5	2.0	2.0	2.9	1.0
22	SURYA-116	1.8	1.0	2.5	2.0	1.5
	CHECKS					
23	KH-510	2.0	2.0	2.0	3.2	1.0
24	NAVJOT	2.0	4.0	1.5	3.4	2.5
25	DECAN-107	2.3	3.0	2.0	3.2	2.5
26	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	CM 202	-	-	-	-	-
	Basi	-	-	-	-	-
	Navjot	-	-	-	-	-

Table 3

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	COIM	ARB	BLSB (1-5) PANT	SDM (%) MAND	COIM
1	WC-14-1 (DBM)	3.0	1.5	3.5	1.5	1.5	4.0	100.0	100.0
2	EH-30969	3.3	3.5	4.5	1.5	2.6	3.0	96.8	100.0
3	EC-3121	1.3	2.5	5.0	1.0	2.5	-	100.0	100.0
4	BH-2359	2.5	2.5	2.5	1.5	2.5	3.0	100.0	100.0
5	HKH-1169	2.5	4.5	4.5	1.5	2.4	3.0	100.0	100.0
6	HKH-1199	2.5	4.0	5.0	1.5	2.0	4.0	100.0	100.0
7	HKH-1208	1.3	1.0	3.0	1.5	2.2	3.0	100.0	100.0
8	AH-017047	1.3	2.5	4.5	2.0	2.5	4.0	100.0	100.0
9	L-166	1.0	1.0	3.5	2.0	2.0	3.0	100.0	100.0
10	X 1231 K	2.5	1.0	2.5	2.5	2.0	3.5	100.0	100.0
11	MCH-7	1.8	1.0	3.0	2.5	2.0	1.5	100.0	100.0
12	X-26	1.0	1.0	2.5	1.0	1.5	3.5	94.2	100.0
13	SEEDTEC-1081	2.8	3.0	2.5	1.0	2.2	4.0	100.0	100.0
14	BISCO-1102	1.0	0.5	2.0	1.5	1.8	3.5	96.5	100.0
15	PMZ-237	1.0	1.0	2.0	1.5	2.5	3.5	100.0	100.0
16	NECH-120	1.5	2.0	2.5	2.5	1.5	-	96.7	94.3
17	FILLERI	1.5	1.0	3.0	2.5	2.5	2.5	100.0	100.0
18	JKMH-1001	1.0	1.0	4.5	2.5	1.5	2.0	100.0	100.0
19	MAHABEEJ-1100	2.5	1.0	2.5	1.0	1.5	4.0	100.0	100.0
20	AAMH-513	2.0	1.5	5.0	1.5	2.5	-	100.0	100.0
21	STAR-2001	1.0	2.5	3.5	1.5	1.5	4.5	100.0	100.0
22	SURYA-116	1.3	0.5	2.0	2.5	2.2	3.5	100.0	100.0
	CHECKS								
23	KH-510	3.0	1.0	3.0	2.0	1.0	4.0	100.0	100.0
24	NAVJOT	3.0	2.0	4.0	2.0	2.5	4.0	100.0	100.0
25	DECAN-107	1.3	1.5	3.5	2.0	2.0	3.5	100.0	100.0
26	CM-500	-	-	-	3.0	-	-	100.0	-
	MAI-120	-	-	5.0	-	-	-	-	-
	CM 202	-	-	-	-	5.0		-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 3

SL. NO	Pedigree	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD	HYD	ESR (%) DHAU	PANT	C.RUST (1-5) ARB
1	WC-14-1 (DBM)	1.0	1.0	4.2	6.0	78.5	15.4	3.2
2	EH-30969	2.0	1.0	3.5	7.9	89.6	33.3	4.5
3	EC-3121	2.0	1.0	4.7	7.9	91.1	25.0	4.8
4	BH-2359	1.0	1.0	4.4	5.5	82.8	25.0	4.0
5	HKH-1169	2.0	1.0	3.5	7.4	58.8	22.7	3.8
6	HKH-1199	1.0	4.0	3.3	7.9	80.6	15.0	4.0
7	HKH-1208	1.0	1.0	4.6	5.5	80.0	0.0	4.2
8	AH-017047	1.0	1.5	4.3	7.0	83.3	20.0	4.0
9	L-166	1.0	1.0	4.0	7.5	91.2	0.0	3.6
10	X 1231 K	1.0	1.0	4.5	6.9	81.0	0.0	5.0
11	MCH-7	2.0	1.0	3.0	7.1	52.2	7.1	2.0
12	X-26	1.0	1.5	4.2	6.7	90.0	6.6	4.0
13	SEEDTEC-1081	1.0	1.0	3.9	4.8	90.3	37.5	4.5
14	BISCO-1102	1.0	1.0	3.6	5.0	62.5	0.0	5.0
15	PMZ-237	1.0	1.0	4.4	8.0	81.8	10.5	4.5
16	NECH-120	1.0	1.0	4.8	7.4	52.7	0.0	2.5
17	FILLERI	1.0	1.0	3.7	5.6	90.0	42.8	2.6
18	JKMH-1001	1.0	1.0	4.0	5.7	68.5	17.6	2.5
19	MAHABEEJ-1100	2.0	1.0	4.2	7.1	67.5	9.5	2.0
20	AAMH-513	2.0	-	3.9	6.3	29.4	-	2.0
21	STAR-2001	1.0	1.0	4.2	5.2	63.3	5.3	3.5
22	SURYA-116	1.0	1.0	3.9	5.6	71.8	37.5	2.6
	CHECKS							
23	KH-510	1.0	1.0	4.2	5.6	47.9	21.1	1.0
24	NAVJOT	3.0	1.0	4.0	6.9	78.9	18.1	3.0
25	DECAN-107	2.0	1.0	4.7	7.5	53.8	21.1	4.0
26	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-	-
	CM 202	-	-	-	-	-	-	4.8
	Basi	-	2.4	-	-	-	51.0	-
	Navjot	-	1.4	-	-	-	9.4	-

Table 4 Evaluation of maize genotypes (IET medium maturity - Trial No.62 B) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	LUD	DHO	KAR
1	WC-114-2 (DBM)	1.5	4.0	0.0	3.0	2.0
2	EH-31079	1.5	2.0	2.0	1.6	2.0
3	EC-3122	1.5	3.0	2.5	2.0	2.0
4	BH-2609	1.0	2.0	2.5	3.2	2.0
5	HKH-1187	1.3	1.0	2.0	2.8	2.0
6	HKH-1203	1.5	1.0	1.0	3.2	2.5
7	AH-017045	1.8	2.0	1.5	3.0	2.0
8	AH-017051	1.5	1.0	0.0	3.2	2.0
9	Jg-GM-3	1.0	1.0	1.5	3.0	1.0
10	SNEHA-4002	1.0	2.0	2.5	2.8	1.5
11	X 1280 A	1.5	1.0	1.0	2.0	1.0
12	MCH-8	1.3	1.0	1.0	2.9	2.0
13	X-2151	1.0	3.0	1.0	3.4	2.5
14	SEDTEC-168	2.3	2.0	0.0	3.2	1.0
15	BISCO-201	2.0	3.0	3.0	3.0	1.5
16	NECH-119	1.5	3.0	1.0	2.0	2.0
17	BIO-22027	1.0	1.0	1.0	2.9	2.5
18	FILLER	1.8	3.0	1.5	3.0	2.5
19	JKMH-340	1.5	1.0	3.0	1.8	2.5
20	AAMH-511	1.5	2.0	1.0	3.2	2.5
21	NMH-2011	1.5	1.0	0.0	2.8	2.5
22	STAR-2011	1.3	4.0	1.5	3.0	2.5
	CHECKS					
23	KH 510	1.8	2.0	3.0	3.4	2.5
24	NAVJOT	1.8	3.0	2.0	2.9	2.0
25	DECAN-107	2.0	4.0	1.0	3.0	1.0
	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	CM202	-	-	-	-	-
	Basi	-	-	-	-	-
	Navjot	-	-	-	-	-

Table 4

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	COIM	ARB	BLSB (1-5) PANT	SDM (%) MAND	COIM
1	WC-114-2 (DBM)	2.5	2.0	3.0	2.5	2.0	3.0	100.0	100.0
2	EH-31079	1.3	1.5	4.0	1.5	2.0	3.0	100.0	100.0
3	EC-3122	1.5	3.0	3.0	1.0	1.5	3.5	100.0	100.0
4	BH-2809	2.8	2.0	3.0	1.5	2.6	3.5	100.0	100.0
5	HKH-1187	3.0	2.5	5.0	2.0	2.0	4.0	100.0	100.0
6	HKH-1203	1.0	-	2.5	2.5	2.6	2.5	100.0	100.0
7	AH-017045	1.5	0.5	3.0	2.0	3.0	4.0	100.0	100.0
8	AH-017051	2.5	1.5	3.0	2.0	2.5	3.5	100.0	100.0
9	Jg-GM-3	1.8	0.5	4.0	1.5	2.8	2.5	100.0	100.0
10	SNEHA-4002	1.0	-	2.0	1.5	1.0	3.0	44.8	40.0
11	X 1280 A	1.0	-	2.0	1.0	1.5	2.5	100.0	100.0
12	MCH-8	1.0	-	2.0	2.5	1.5	3.0	96.5	88.0
13	X-2151	2.0	1.0	4.0	2.0	1.5	3.0	100.0	100.0
14	SEDTEC-168	1.5	1.0	3.0	2.0	2.2	3.0	100.0	100.0
15	BISCO-201	1.8	2.0	2.0	2.5	2.5	3.0	100.0	100.0
16	NECH-119	1.8	0.5	2.0	1.0	1.5	3.0	93.3	100.0
17	BIO-22027	2.8	0.5	3.0	1.0	2.8	3.0	93.3	100.0
18	FILLER	1.8	-	3.5	1.0	2.0	2.5	95.4	100.0
19	JKMH-340	1.8	0.5	2.5	1.5	1.8	3.5	100.0	100.0
20	AAMH-511	1.5	1.0	3.5	1.0	2.0	3.0	93.7	100.0
21	NMH-2011	2.8		4.0	2.0	1.5	2.5	100.0	100.0
22	STAR-2011	2.0	0.5	3.5	2.0	2.0	2.0	97.2	100.0
	CHECKS								
23	KH 510	1.3	2.5	2.0	1.5	1.5	3.5	100.0	100.0
24	NAVJOT	2.0	1.0	3.0	1.5	2.8	3.0	100.0	100.0
25	DECAN-107	3.3	2.5	2.0	2.0	1.5	2.5	100.0	100.0
	CM-500	-	-	-	2.5	-	-	100.0	100.0
	MAI-120	-	-	5.0	-	-	-	-	-
	CM202	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 4

SL. NO	Pedigree	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD	HYD	ESR (%) DHAU	PANT	C.RUST (1-5) ARS
1	WC-114-2 (DBM)	1.0	1.0	4.9	6.3	57.4	25.0	3.5
2	EH-31079	1.0	1.5	5.0	6.2	91.1	20.0	3.8
3	EC-3122	1.0	1.5	5.1	7.2	92.1	0.0	4.0
4	BH-2809	2.0	1.0	3.8	6.9	90.4	0.0	4.0
5	HKH-1187	1.0	3.0	2.7	7.2	75.5	5.0	2.5
6	HKH-1203	1.0	3.0	3.8	7.3	77.0	0.0	1.5
7	AH-017045	1.0	1.0	4.4	7.6	90.1	20.0	3.5
8	AH-017051	1.0	1.5	3.7	6.6	82.6	5.8	2.8
9	Jg-GM-3	1.0	1.5	4.1	6.2	68.8	0.0	3.0
10	SNEHA-4002	1.0	1.0	2.7	5.5	78.8	0.0	1.0
11	X 1280 A	1.0	1.0	3.8	6.8	62.5	16.6	2.6
12	MCH-8	1.0	1.0	3.6	7.0	59.2	5.0	5.0
13	X-2151	1.0	1.0	3.8	4.3	78.3	13.3	3.5
14	SEDTEC-168	2.0	1.0	4.0	8.8	54.8	30.0	5.0
15	BISCO-201	2.0	1.0	3.9	7.1	39.4	0.0	3.0
16	NECH-119	2.0	1.0	2.6	6.5	77.1	0.0	4.5
17	BIO-22027	1.0	1.0	3.7	7.3	80.8	10.0	2.5
18	FILLER	2.0	1.5	2.9	5.5	87.5	28.5	3.0
19	JKMH-340	1.0	1.0	2.8	7.5	47.5	-	4.2
20	AAMH-511	1.0	1.0	4.6	6.5	41.5	4.8	3.8
21	NMH-2011	1.0	3.0	3.5	6.0	68.1	5.5	4.0
22	STAR-2011	1.0	2.0	3.5	6.6	79.0	0.0	4.5
	CHECKS							
23	KH 510	1.0	1.0	4.5	6.8	66.6	0.0	3.6
24	NAVJOT	1.0	1.0	5.1	5.7	92.1	0.0	2.8
25	DECAN-107	2.0	1.0	4.6	5.0	59.6	4.7	2.0
	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-	-
	CM202	-	-	-	-	-	-	4.8
	Basi	-	2.4	-	-	-	51.0	-
	Navjot	-	1.4	-	-	-	9.4	-

Table 5 Evaluation of maize genotypes(IET early maturity - Trial No.63A) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	LUD	DHO	KAR
1	KM H-3	1.3	1.5	2.0	1.5
2	KM H-9	1.0	1.5	2.0	2.5
3	FH-3228	1.0	1.0	3.8	1.0
4	JH-3957	1.3	1.0	3.6	2.0
5	JH-3999	1.0	2.0	4.2	1.5
6	JH-31026	1.3	1.0	2.0	1.0
7	EH-31008	1.3	1.0	4.0	1.0
8	EH-30964	1.0	2.0	3.8	1.5
9	HKH-1176	1.3	1.0	2.0	2.0
10	HKH-1182	1.0	0.0	4.2	1.0
11	HKH-1219	1.3	0.0	4.0	1.5
12	DEH-10102	1.5	2.0	4.3	2.0
13	Jh GM-4	1.3	1.0	4.0	2.0
14	AH-01411	1.3	1.0	3.8	1.0
15	AH-017 077	1.3	1.0	3.6	2.0
16	X-3342 ©	1.5	1.0	3.9	1.0
17	MEGHA ©	1.3	2.5	4.0	2.5
18	PEHM-2 ©	1.5	1.0	3.2	1.5
19	MAHI KANCHAN ©	1.5	3.0	3.4	2.5
20	MCH-6	1.3	0.0	3.6	1.0
21	X 1150 Z	1.0	0.0	3.0	1.5
22	X-2185	1.0	0.0	1.4	1.5
23	SEEDTEC-114	1.3	1.0	3.2	1.0
24	BISCO-204	1.3	3.0	3.8	2.0
25	PRO-358	1.3	0.0	3.2	2.5
26	PAC 71007	1.0	0.0	3.0	1.0
27	FILLER	1.3	0.0	2.8	1.0
28	JKMH-810	1.3	0.0	3.4	1.0
29	PONNI-116	1.0	0.0	3.6	2.5
	CM-500	-	-	-	-
	MAI-120	-	-	-	-
	CM202	-	-	-	-
	Basi	-	-	-	-
	Navjot	-	-	-	-

Table 5

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	COIM	ARB	BLSB (1-5) PANT	SDM (%) MAND	COIM
1	KM H-3	1.8	1.0	3.5	1.0	1.5	3.0	100.0	100.0
2	KM H-9	2.3	2.5	4.0	2.5	1.5	2.5	100.0	100.0
3	FH-3228	1.8	0.5	3.5	2.0	1.0	3.5	93.9	100.0
4	JH-3957	2.0	3.0	4.5	1.0	1.0	3.0	100.0	100.0
5	JH-3999	1.5	4.0	4.0	1.0	1.5	3.0	100.0	100.0
6	JH-31026	1.0	4.0	3.5	1.0	1.5	3.5	100.0	100.0
7	EH-31008	1.3	4.0	3.5	1.5	2.0	3.5	90.6	100.0
8	EH-30964	1.5	4.5	4.0	1.5	1.5	4.0	100.0	100.0
9	HKH-1176	1.8	4.5	5.0	2.5	1.0	3.0	100.0	100.0
10	HKH-1182	1.8	4.5	3.5	2.0	2.0	4.5	96.8	100.0
11	HKH-1219	2.3	4.5	5.0	2.0	3.6	4.0	100.0	100.0
12	DEH-10102	1.5	3.5	4.5	2.5	1.0	4.0	100.0	100.0
13	Jh GM-4	1.8	3.0	5.0	2.5	1.5	3.0	93.1	100.0
14	AH-01411	1.8	1.5	3.0	2.0	1.0	4.0	100.0	100.0
15	AH-017 077	2.0	2.5	3.5	1.5	3.5	4.0	100.0	100.0
16	X-3342 ©	1.5	2.5	2.0	1.5	3.5	2.5	100.0	100.0
17	MEGHA ©	1.3	2.5	4.0	2.5	1.5	3.0	97.1	100.0
18	PEHM-2 ©	1.3	2.5	4.5	1.0	1.0	3.0	100.0	100.0
19	MAHI KANCHAN ©	1.3	3.5	5.0	1.5	1.5	3.5	100.0	100.0
20	MCH-6	1.0		2.0	1.5	2.8	3.0	59.4	100.0
21	X 1150 Z	1.5	4.0	3.0	1.0	2.0	3.5	96.9	82.0
22	X-2185	1.3	3.5	2.0	1.0	2.5	4.5	94.8	100.0
23	SEEDTEC-114	1.3	3.0	2.5	1.5	2.5	2.5	100.0	100.0
24	BISCO-204	1.0	0.5	2.0	2.5	2.0	2.5	65.0	100.0
25	PRO-358	1.0	1.0	3.0	2.0	2.5	3.0	90.3	100.0
26	PAC 71007	1.0	2.5	2.0	2.0	2.8	3.0	34.3	29.2
27	FILLER	1.5	1.5	2.0	2.0	2.5	4.0	89.2	100.0
28	JKMH-810	1.5	1.5	2.5	2.5	2.6	4.0	0.0	79.4
29	PONNI-116	1.0	1.0	2.0	2.5	1.0	4.5	100.0	100.0
	CM-500	-	-	-	2.5	-	-	100.0	100.0
	MAI-120	-	-	5.0	-	-	-	-	-
	CM202	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 5

SL. NO	Pedigree	BSDM (1-5) PANT	PFSR (1-9) LUD	HYD	ESR (%) PANT	C.RUST (1-5) ARB
1	KM H-3	1.0	2.4	8.0	15.7	2.8
2	KM H-9	1.0	1.9	6.2	0.0	2.8
3	FH-3228	1.0	3.7	7.5	25.0	1.5
4	JH-3957	1.5	1.1	6.5	15.7	3.0
5	JH-3999	1.5	3.6	6.7	33.3	2.2
6	JH-31026	1.5	3.0	3.7	12.5	2.6
7	EH-31008	3.0	2.0	6.6	15.0	3.0
8	EH-30964	1.5	2.1	6.0	35.7	3.8
9	HKH-1176	1.5	1.3	6.6	18.7	1.0
10	HKH-1182	1.5	1.6	6.9	23.1	3.0
11	HKH-1219	2.0	2.3	6.8	50.0	3.8
12	DEH-10102	1.5	2.0	6.6	33.3	2.0
13	Jh GM-4	1.5	1.8	6.9	21.4	2.5
14	AH-01411	1.5	2.0	7.4	0.0	2.0
15	AH-017 077	1.5	3.2	6.5	22.2	4.5
16	X-3342 ©	1.5	1.9	4.6	31.5	1.0
17	MEGHA ©	1.5	2.0	6.5	36.3	2.6
18	PEHM-2 ©	1.5	2.1	7.0	22.2	1.0
19	MAHI KANCHAN ©	1.5	1.5	7.3	7.7	2.2
20	MCH-6	1.0	2.3	6.7	7.1	2.5
21	X 1150 Z	3.0	1.3	5.4	0.0	2.6
22	X-2185	1.0	2.2	5.3	6.2	1.5
23	SEEDTEC-114	1.5	3.3	6.9	46.6	1.0
24	BISCO-204	1.0	3.8	7.0	5.0	3.0
25	PRO-358	1.0	2.1	6.4	31.2	4.0
26	PAC 71007	1.0	2.5	7.4	30.7	3.5
27	FILLER	1.0	3.0	6.2	0.0	3.2
28	JKMH-810	1.0	2.9	6.6	13.6	4.0
29	PONNI-116	1.0	3.6	6.1	7.7	1.5
	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	CM202	-	-	-	-	4.6
	Basi	2.4	-	-	51.0	-
	Navjot	1.4	-	-	9.4	-

Table 6 Evaluation of maize genotypes(IET early maturity - Trial No.63 B) against *major diseases during 2002 K*

SL. NO	Pedigree	MLB (1-5) ALM	LUD	DHO	KAR
1	KM H-2	1.8	1.5	2.0	2.0
2	KM H-5	1.8	0.0	2.0	2.5
3	FH-3227	1.3	0.0	3.6	2.0
4	JH-3851	1.3	1.0	2.0	2.0
5	JH-3964	1.0	0.0	1.4	1.5
6	JH-31006	1.0	0.0	3.4	2.0
7	JH-31027	1.3	2.0	3.8	3.0
8	EH-31011	1.3	1.0	4.2	2.0
9	BH-2862	1.3	0.0	2.0	1.5
10	HKH-1177	1.3	0.0	3.2	1.0
11	HKH-1188	1.5	2.5	3.5	2.0
12	R-9903	1.5	1.0	3.6	2.5
13	DEH-10702	1.3	1.0	3.4	1.0
14	AH-017 061	1.8	2.5	3.5	2.0
15	AH-01409	1.8	1.0	2.7	3.0
16	MCH-5	1.0	0.0	3.0	1.0
17	X 1150 Y	1.8	2.0	3.4	2.0
18	X-2182	1.5	0.0	3.2	2.0
19	SEEDTEC-122	1.0	1.0	3.6	1.5
20	BISCO-2434	1.3	1.0	2.0	1.0
21	PRO-357	1.3	0.0	3.4	1.0
22	PAC 71006	1.5	1.5	3.0	2.0
23	PMZ-135	1.3	0.0	2.0	1.0
24	FILLER	1.5	1.5	3.2	1.0
25	AAMH-363	1.8	2.0	3.0	3.5
	CHECKS				
26	X-3342	1.3	0.0	4.0	2.0
27	MEGHA	1.8	1.0	3.8	2.5
28	PEHM-2	1.5	0.0	2.0	2.0
29	MAHI KANCHAN	1.8	1.5	3.7	3.0
	CM-500	-	-	-	-
	MAI-120	-	-	-	-
	CM202	-	-	-	-
	Basi	-	-	-	-
	Navjot	-	-	-	-

Table 6

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	COIM	ARB	BLSB (1-5) PANT	SDM (%) MAND	COIM
1	KM H-2	1.0	0.5	2.5	1.0	2.5	3.5	100.0	100.0
2	KM H-5	1.8	1.5	2.0	2.5	2.5	4.0	97.0	100.0
3	FH-3227	1.0	1.5	2.0	2.0	3.5	4.0	100.0	100.0
4	JH-3851	1.8	4.5	5.0	1.0	2.5	4.0	100.0	100.0
5	JH-3964	1.8	3.0	3.0	1.5	1.0	2.5	100.0	100.0
6	JH-31006	1.5	4.5	5.0	2.5	1.5	4.0	100.0	100.0
7	JH-31027	1.8	4.5	5.0	1.0	4.0	4.0	100.0	100.0
8	EH-31011	1.3	4.0	3.5	1.0	2.6	3.0	96.3	100.0
9	BH-2862	1.0	3.5	2.0	1.5	2.5	3.5	100.0	100.0
10	HKH-1177	1.8	4.5	5.0	1.0	2.5	4.0	100.0	100.0
11	HKH-1188	2.0	4.5	5.0	2.5	2.0	4.0	100.0	100.0
12	R-9903	1.8	3.0	2.5	2.0	2.5	3.5	96.6	100.0
13	DEH-10702	1.5	4.5	5.0	2.5	2.6	3.0	100.0	100.0
14	AH-017 061	1.3	3.0	2.0	1.0	2.0	4.0	100.0	100.0
15	AH-01409	1.8	1.0	3.5	1.5	2.5	3.0	100.0	100.0
16	MCH-5	1.0	0.5	4.0	2.0	4.0	2.5	96.6	100.0
17	X 1150 Y	1.3	1.5	4.5	2.5	1.0	2.5	97.2	100.0
18	X-2162	1.0	0.5	2.0	2.5	4.0	2.5	100.0	100.0
19	SEEDTEC-122	1.0	0.5	2.0	1.0	1.5	3.0	96.7	100.0
20	BISCO-2434	1.3	0.5	3.0	1.5	1.5	3.0	48.6	94.2
21	PRO-357	1.0	0.5	3.5	1.0	1.0	3.0	96.2	100.0
22	PAC 71006	1.5	0.5	2.0	2.5	3.5	3.0	93.5	100.0
23	PMZ-135	1.0	0.5	2.0	1.0	2.6	4.0	74.3	100.0
24	FILLER	1.5	0.5	2.5	2.0	1.5	4.0	100.0	100.0
25	AAMH-363	1.3	1.0	5.0	1.0	3.0	4.0	100.0	100.0
	CHECKS								
26	X-3342	1.3	2.0	2.5	1.5	2.0	4.0	100.0	100.0
27	MEGHA	1.3	4.0	5.0	2.5	1.5	3.5	100.0	100.0
28	PEHM-2	1.3	4.0	5.0	2.5	1.0	3.0	96.8	100.0
29	MAHI KANCHAN	1.8	3.0	5.0	2.0	1.5	3.0	100.0	100.0
	CM-500	-	-	-	2.5	-	-	100.0	100.0
	MAI-120	-	-	5.0	-	-	-	-	-
	CM202	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 6

SL. NO	Pedigree	BSDM (1-5) PANT	PFSR (1-9) LUD	HYD	ESR (%) PANT	C.RUST (1-5) ARB
1	KM H-2	2.0	2.7	6.8	45.0	2.6
2	KM H-5	1.0	1.5	6.1	20.0	4.0
3	FH-3227	1.0	2.5	6.6	82.6	1.5
4	JH-3851	1.5	1.5	5.4	4.7	2.0
5	JH-3964	1.5	2.1	6.8	4.7	2.5
6	JH-31006	1.5	2.0	6.4	27.7	2.8
7	JH-31027	1.5	3.3	6.2	17.6	4.0
8	EH-31011	1.5	2.1	6.2	45.0	4.0
9	BH-2862	1.0	2.0	6.3	26.6	4.5
10	HKH-1177	1.0	1.3	6.7	0.0	2.5
11	HKH-1188	1.0	2.5	6.7	5.5	4.0
12	R-9903	1.0	2.8	6.5	41.1	3.0
13	DEH-10702	1.5	2.0	7.6	80.0	2.5
14	AH-017 061	1.5	3.1	6.7	45.8	1.5
15	AH-01409	1.0	2.0	6.2	33.3	4.0
16	MCH-5	1.0	1.5	6.0	9.5	1.0
17	X 1150 Y	1.0	1.8	6.6	8.7	2.5
18	X-2182	1.5	3.4	7.2	9.5	1.0
19	SEEDTEC-122	2.0	2.7	4.6	40.0	4.5
20	BISCO-2434	1.0	3.0	4.0	7.1	3.0
21	PRO-357	1.5	2.5	4.6	5.2	1.5
22	PAC 71006	1.0	2.5	7.1	20.0	4.0
23	PMZ-135	1.0	2.5	7.6	16.6	3.5
24	FILLER	1.5	2.6	7.2	15.0	3.0
25	AAMH-363	2.0	3.1	4.7	35.0	4.5
	CHECKS					
26	X-3342	1.0	3.0	7.6	23.8	1.0
27	MEGHA	1.5	2.8	6.4	22.7	2.5
28	PEHM-2	1.5	3.0	5.8	9.1	1.0
29	MAHI KANCHAN	1.5	2.7	7.0	50.0	2.6
	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	CM202	-	-	-	-	4.8
	Basi	2.4	-	-	51.0	-
	Navjot	1.4	-	-	9.4	-

Table 7 Evaluation of maize genotypes(IET extra-early maturity - Trial No.64) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	JASH	DHO	LUD	KAR
1	DEH-10302	1.3	3.0	3.0	4.2	0.0	2.0
2	HKH-1183	1.3	2.0	3.0	3.8	1.0	1.0
3	HKH-1185	1.0	3.0	2.5	3.6	0.0	1.0
4	HKH-1199	1.0	2.0	3.0	3.9	1.5	1.0
5	HKH-1210	1.0	3.0	4.0	4.0	1.5	2.5
6	HKH-1214	1.0	1.0	3.5	2.0	4.0	1.5
7	FH-3208	1.0	1.0	3.0	3.8	0.0	2.0
8	FH-3210	1.0	3.0	3.5	4.2	1.0	1.5
9	FH-3215	1.0	3.0	1.5	4.0	0.0	1.0
10	AH-017049	1.5	2.0	2.5	2.0	1.0	2.0
11	AH-014 16	1.0	4.0	3.5	3.8	1.0	2.0
12	SEEDTEC-205	1.0	4.0	3.0	4.2	1.0	1.0
13	SEEDTEC-1307	1.0	2.0	1.5	4.0	2.0	1.0
14	BISCO-1307	1.0	3.0	2.5	3.8	1.0	1.5
15	BISCO-2051	1.0	1.0	1.5	2.0	0.0	1.5
16	BISCO - C 35	1.0	1.0	2.0	3.5	1.0	1.5
17	PRO-356	1.0	3.0	2.5	4.0	0.0	1.0
	CHECKS						
18	JKMH-495	1.8	4.0	4.0	3.7	1.0	1.0
19	SURYA	1.0	-	2.5	3.6	3.5	2.5
	CM-500	-	-	-	-	-	-
	MAI-120	-		-	-	-	-
	CM202	-	-	-	-	-	-
	Basi	-	-	-	-	-	-
	Navjot	-	-	-	-	-	-

Table 7

SL. NO	Pedigree	TLB (1-5)					BLSB (1-5)	SDM (%)	
		ALM	BAJ	NAG	COIM	ARB	PANT	MAND	COIM
1	DEH-10302	2.3	2.0	5.0	2.0	1.5	3.5	100.0	100.0
2	HKH-1183	1.5	3.0	3.0	2.5	3.0	4.5	100.0	100.0
3	HKH-1185	2.5	3.5	5.0	2.5	2.0	4.0	100.0	100.0
4	HKH-1199	3.5	4.5	5.0	1.5	2.5	4.0	100.0	100.0
5	HKH-1210	3.5	4.5	5.0	1.5	2.5	4.0	100.0	100.0
6	HKH-1214	3.0	4.5	5.0	1.0	2.5	4.0	100.0	100.0
7	FH-3208	1.8	2.5	2.0	1.5	1.0	3.5	100.0	100.0
8	FH-3210	2.3	1.5	5.0	2.5	2.0	4.5	100.0	100.0
9	FH-3215	1.0	1.0	2.5	1.5	1.0	4.0	100.0	100.0
10	AH-017049	1.5	0.5	3.5	1.5	4.5	4.0	100.0	100.0
11	AH-014 16	1.5	0.5	4.0	2.5	2.6	4.0	96.7	100.0
12	SEEDTEC-205	1.3	2.0	3.0	2.0	2.0	4.5	84.6	100.0
13	SEEDTEC-1307	1.0		2.0	1.0	2.6	4.0	9.7	0.0
14	BISCO-1307	1.3	2.0	2.0	2.5	1.5	4.0	62.5	100.0
15	BISCO-2051	1.0	1.5	2.5	2.0	2.0	4.0	18.8	0.0
16	BISCO - C 35	1.5	2.0	3.0	2.5	3.0	3.5	60.6	100.0
17	PRO-356	1.8	1.0	4.5	2.5	3.0	4.0	100.0	100.0
	CHECKS								
18	JKMH-495	2.0	0.5	2.5	3.0	4.0	4.0	100.0	100.0
19	SURYA	1.8	3.0	5.0	2.5	1.0	3.5	100.0	100.0
	CM-500	-	-	-	2.0	-	-	100.0	100.0
	MAI-120	-	-	5.0	-	-	-	-	-
	CM202	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	3.6	-	-
	Navjot	-	-	-	-	-	3.8	-	-

Table 7

SL. NO	Pedigree	BSDM (1-5) DHAU	BSDM (1-5) PANT	PFSR (1-9) LUD	PFSR (1-9) HYD	ESR (%) DHAU	ESR (%) PANT	C.RUST (1-5) ARB
1	DEH-10302	2.0	1.5	4.4	7.2	65.8	99.9	1.5
2	HKH-1183	2.0	1.5	4.5	6.9	45.4	29.4	3.5
3	HKH-1185	2.0	1.0	3.1	6.9	6.4	33.3	3.0
4	HKH-1199	2.0	4.0	3.1	6.7	11.7	33.3	2.6
5	HKH-1210	2.0	1.0	3.6	6.4	31.4	14.2	2.5
6	HKH-1214	2.0	3.0	3.6	6.7	13.3	16.6	1.5
7	FH-3208	2.0	1.0	4.0	7.2	48.4	55.5	1.0
8	FH-3210	2.0	1.5	4.2	7.5	59.3	56.6	4.6
9	FH-3215	3.0	1.5	4.2	7.2	83.3	44.4	1.5
10	AH-017049	3.0	2.0	3.6	7.4	31.2	50.0	1.6
11	AH-014 16	3.0	1.5	3.8	5.3	48.4	50.0	2.8
12	SEEDTEC-205	3.0	2.0	3.9	6.9	50.0	99.9	2.5
13	SEEDTEC-1307	2.0	1.0	4.3	4.8	57.8	16.6	3.0
14	BISCO-1307	2.0	1.0	4.1	6.6	22.2	69.2	1.6
15	BISCO-2051	2.0	1.5	4.6	6.0	18.1	17.6	2.5
16	BISCO - C 35	3.0	1.5	4.0	7.0	27.7	50.0	4.0
17	PRO-356	3.0	1.5	3.5	6.7	24.2	25.0	3.0
	CHECKS							
18	JKMH-495	3.0	1.0	4.7	7.3	96.0	99.9	2.0
19	SURYA		2.0	4.5	7.0	73.5	21.1	1.0
	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-	-
	CM202	-	-	-	-	-	-	4.8
	Basi	-	2.4	-	-	-	51.0	-
	Navjot	-	1.4	-	-	-	9.4	-

Table 8 Evaluation of maize genotypes (AET Ist Year Zone 3 Full season Maturity against - Trial No. 65) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	JASH	DHO	TLB (1-5) NAG	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	PMZ-234	3.0	2.0	2.5	3.5	96.9	2.0	38.2
2	*JKMH-1090*	*1.0*	*1.5*	*2.4*	*2.0*	*77.1*	*2.0*	*414.0*
3	F-1562	1.0	1.5	2.0	2.0	97.1	2.0	65.0
	CHECKS							
4	GANGA-11	3.0	3.0	2.0	4.5	93.9	2.0	54.0
5	PRO-311	3.0	1.5	2.4	3.0	69.0	2.0	30.9
6	DECCAN-103	3.0	4.0	2.6	2.5	100.0	2.0	51.2
7	BIO-9681	2.0	4.0	2.8	2.0	66.6	2.0	63.6
	CM-500	-	-	-	-	100.0	-	-
	MAI-120	-	-	-	5.0	-	-	-

Table 9 Evaluation of maize genotypes (AET Ist Year Zone 4 Full season Maturity - Trial No. 65) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	COIM	ARB	SDM (%) MAND	COIM	BSDM (1-5) DHAU
1	BIO-92327	1.0	2.0	1.0	1.5	100	100.0	2.0
	CHECKS							
2	GANGA-11	3.0	3.5	1.5	2.0	96.4	100.0	2.0
3	PRO-311	1.0	3.0	1.0	2.0	64.7	50.0	2.0
4	DECCAN-103	4.0	2.0	1.0	2.5	100	70.0	2.0
5	BIO-9681	4.0	2.5	1.0	1.5	56.3	90.3	3.0
	CM-500	-	-	2.0	-	100	100.0	-
	MAI-120	-	5.0	-	-	-	-	-
	CM-202	-	-	-	5.0	-	-	-

SL. NO	Pedigree	PFSR (1-9) HYD	ESR (%) DHAU
1	BIO-92327	6.0	30.7
	CHECKS		
2	GANGA-11	5.1	42.8
3	PRO-311	5.5	48.8
4	DECCAN-103	4.2	31.1
5	BIO-9681	7.0	43.8
	CM-500	-	-
	MAI-120	-	-
	CM-202	-	-

Table 10 Evaluation of maize genotypes (AET Ist Year Zone 5 Full season Maturity - Trial No. 65) against major diseases during 2002 K

SL. NO		MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) MAND	UDP	BSDM (1-5) DHAU	PFSR (1-9) UDP	ESR (%) DHAU
1	F-2784	1.0	3.5	100.0	20.0	1.0	7.5	56.0
2	X-2006	2.0	3.0	100.0	40.0	4.0	3.1	57.7
3	BISCO-851	3.0	2.0	96.7	23.5	2.0	4.9	81.5
4	PAC 70005	1.0	2.5	86.7	10.5	2.0	4.9	86.1
5	NECH-110	2.0	2.0	94.1	0.0	4.0	3.5	60.6
6	BIO-92327	2.0	2.0	100.0	27.2	4.0	3.2	51.7
7	JKMHS-370	3.0	3.0	90.9	10.0	2.0	6.5	64.4
8	F-1550	3.0	2.5	100.0	38.0	2.0	6.3	79.4
	CHECKS							
9	GANGA-11	2.0	4.5	100.0	50.0	3.0	5.7	65.0
10	PRO-311	1.0	3.0	84.3	5.2	3.0	3.1	68.4
11	DECCAN-103	2.0	3.5	100.0	52.3	3.0	4.2	68.8
12	BIO-9681	2.0	2.0	100.0	17.3	2.0	4.7	76.5
	CM-500	-	-	100.0	-	-	-	-
	MAI-120	-	5.0	-	-	-	-	-

Table 11 Evaluation of maize genotypes (AET Ist Year Zone 1 medium maturity - Trial No. 66) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	TLB (1-5) ALM	NAG	BSDM (1-5) DHAU	ESR (%) DHAU
1	EC-3116	1.0	1.0	1.0	4.0	2.0	70.2
2	L-173	1.3	2.0	1.3	3.0	2.0	59.6
3	HKH-1191	1.5	1.0	2.3	2.0	1.0	55.8
4	UMH-1	1.0	2.0	1.5	2.5	1.0	51.7
5	KAVERI-235	1.8	3.0	2.0	3.5	1.0	49.0
6	BISCO-3123	1.5	3.0	1.0	3.0	2.0	59.3
7	PRO-349	1.0	1.0	1.0	2.0	1.0	70.9
8	NECH-112	1.0	4.0	1.0	3.5	2.0	55.9
9	NECH-113	1.0	1.0	1.0	2.0	1.0	56.9
10	X-2003	1.0	2.0	1.3	2.0	1.0	64.1
11	BIO-92218	1.0	2.0	1.3	3.0	3.0	48.9
12	JKMH-1080	1.5	1.0	1.3	2.0	2.0	57.8
13	AAMH-204	1.0	2.0	1.3	3.5	2.0	42.8
14	AAMH-206	1.3	1.0	1.3	3.0	2.0	64.4
	CHECKS						
15	KH 510	1.3	3.0	2.8	4.5	3.0	65.1
16	NAVJOT	1.0	2.0	1.3	2.0	3.0	56.2
17	DECCAN 107	1.0	2.0	2.5	5.0	2.0	50.0
	CM-500	1.5	-	1.3	2.0	-	-
	MAI-120	-	-	-	5.0	-	-

Table 12 Evaluation of maize genotypes (AET Ist Year Zone 2 medium maturity - Trial No. 66) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5)				TLB (1-5)	BLSB (1-5)	
		LUD	DHAU	DEL	KAR	NAG	DEL	PANT
1	L-173	1.0	2.0	2.5	2.0	3.5	3.0	3.5
2	EC-3116	2.5	3.0	3.0	2.0	4.5	4.0	3.0
3	HKH-1206	1.0	4.0	3.0	2.0	3.0	4.0	3.0
4	KAVERI-235	2.0	2.0	3.0	2.0	3.5	4.5	3.0
5	PAC 70004	1.0	1.0	1.5	1.5	2.0	3.5	3.5
6	NECH-113	0.0	1.0	1.5	1.0	2.0	4.0	3.0
7	X-2003	1.5	2.0	2.5	1.0	3.0	4.5	3.0
8	PAC 70003	2.0	2.0	3.0	1.5	2.5	4.5	3.0
9	JKMH-1080	0.0	1.0	1.5	1.0	3.5	4.0	4.0
10	SEEDTEC-6234	3.0	2.0	3.0	1.0	2.0	4.0	3.0
11	FILLER (BIO 9681)	1.5	3.0	2.5	1.5	2.5	4.0	3.0
	CHECKS							
12	KH 510	2.0	2.0	2.0	1.5	3.5	4.0	3.5
13	NAVJOT	1.5	2.0	3.0	2.0	5.0	4.0	3.5
14	DECCAN-107	1.0	3.0	4.0	2.0	2.0	4.0	3.0
	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	5.0	-	-
	Basai	-	-	-	-	-	-	3.6
	Navjot	-	-	-	-	-	-	3.8

SL. NO	Pedigree	SDM (%)		BSDM (1-5)		ESR (%)	
		MAND	DHAU	DHAU	PANT	DHAU	PANT
1	L-173	100.0	1.0	2.0	1.0	61.6	15.3
2	EC-3116	100.0	2.0	2.0	1.0	82.0	5.5
3	HKH-1206	100.0	3.0	2.0	1.0	80.8	8.2
4	KAVERI-235	87.5	4.0	2.0	1.0	55.5	26.3
5	PAC 70004	53.8	5.0	2.0	1.0	75.7	0.0
6	NECH-113	97.1	6.0	1.0	1.0	51.8	0.0
7	X-2003	93.3	7.0	1.0	1.0	58.3	4.3
8	PAC 70003	81.3	8.0	2.0	1.0	44.1	5.0
9	JKMH-1080	76.7	9.0	2.0	1.0	50.0	35.3
10	SEEDTEC-6234	76.4	10.0	2.0	1.0	50.0	40.0
11	FILLER (BIO 9681)	75.8	11.0	2.0	2.0	49.2	13.3
	CHECKS						
12	KH 510	100.0	12.0	1.0	1.0	51.5	50.0
13	NAVJOT	100.0	13.0	1.0	2.0	71.1	81.8
14	DECCAN-107	100.0	14.0	2.0	1.5	55.3	14.2
	CM-500	100.0	15.0	-	-	-	-
	MAI-120	-	-	-	-	-	-
	Basai	-	-	-	2.4	-	-
	Navjot	-	-	-	1.4	-	-

Table 13 Evaluation of maize genotypes (AET Ist Year Zone 3 medium maturity - Trial No. 66) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	JASH	DHO	TLB (1-5) NAG	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	L-173	2.0	3.5	3.0	3.5	87.9	3.0	59.4
2	L-157	2.0	3.5	2.8	4.0	100.0	2.0	65.0
3	L-161	2.0	3.0	2.6	3.0	100.0	1.0	51.5
4	L-169	2.0	3.0	2.0	2.5	100.0	2.0	77.0
5	UMC-13	2.0	3.0	2.9	4.5	96.8	3.0	70.0
6	D-003	1.0	2.5	3.2	2.0	100.0	2.0	51.5
7	HKH-1191	1.0	2.0	3.6	2.0	100.0	1.0	47.9
8	BH-2398	2.0	3.0	2.0	3.5	100.0	1.0	49.1
9	AH-1121	3.0	3.5	3.2	2.5	100.0	1.0	67.1
10	AH-1154	1.0	2.5	3.0	4.5	100.0	1.0	44.7
11	BIO-92218	2.0	3.0	3.0	2.0	80.6	1.0	60.2
12	PAC 70003	2.0	2.5	2.8	3.0	60.0	1.0	42.8
13	PMZ-131	2.0	3.0	2.9	2.0	93.1	1.0	41.2
14	BISCO-SURAJ 11	2.0	2.0	2.0	3.5	74.1	1.0	66.1
15	X-2003	1.0	3.0	3.4	2.0	100.0	2.0	35.6
16	JKMH-1080	3.0	1.5	3.2	2.0	100.0	2.0	68.2
	CHECKS							
17	KH 510	3.0	3.0	3.0	3.0	100.0	2.0	40.0
18	NAVJOT	3.0	4.0	14.0	5.0	100.0	3.0	64.5
19	DECCAN 107	-	4.0	3.4	2.5	100.0	-	36.6
	CM 500	-	-	-	-	100.0	-	-
	MAI 120	-	-	-	5.0	-	-	-

Table 14 Evaluation of maize genotypes (AET Ist Year Zone 4 medium maturity - Trial No. 66) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) ARB	NAG	SDM (%) MAND	BSDM (1-5) DHAU	PFSR (1-9) HYD	C.RUST (1-5) ARB	ESR (%) DHAU
1	HKH-1206	3.0	2.2	4.5	100.0	2.0	6.3	2.6	53.6
2	BH-2398	2.0	1.0	3.5	100.0	2.0	3.6	1.0	35.7
3	UMC-13	1.0	2.2	5.0	100.0	2.0	5.0	4.5	65.7
4	BIO-92218	2.0	1.5	3.0	100.0	1.0	6.2	3.0	53.3
5	JKMH-1080	1.0	2.6	2.5	93.8	1.0	4.9	2.6	25.0
6	SEEDTEC-6234	1.0	1.5	2.5	100.0	1.0	6.9	3.0	60.3
7	NECH-112	3.0	3.0	2.0	90.0	1.0	3.6	4.5	51.9
8	KAVERI-235	3.0	2.5	2.0	96.4	2.0	5.9	3.6	57.8
9	PMZ-131	3.0	1.0	3.0	81.8	3.0	6.0	2.5	44.4
10	KH 510	3.0	1.0	2.5	90.3	1.0	5.5	2.2	37.7
	CHECKS								
11	NAVJOT	3.0	2.6	4.5	100.0	1.0	5.5	1.5	66.6
12	DECCAN-107	2.0	1.0	3.0	100.0	2.0	5.0	1.5	78.4
	CM-500	-	-	-	100.0	-	-	-	-
	MAI-120	-	-	5.0	-	-	-	-	-
	CM-202	-	5.0	-	-	-	-	4.8	-

Table 15 Evaluation of maize genotypes (AET Ist Year Zone 5 medium maturity - *Trial No. 66) against major diseases during 2002 K*

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) MAND	UDP	BSDM (1-5) DHAU	ESR (%) DHAU	PFSR (1-9) UDP
1	AH-1121	1.0	4.5	96.3	40.0	1.0	69.6	4.5
2	AH-1122	2.0	3.0	100.0	32.0	1.0	69.0	5.6
3	AH-1152	3.0	2.0	100.0	52.9	2.0	85.0	5.3
4	AH-1154	1.0	3.5	100.0	53.3	1.0	57.3	7.3
5	EC-3110	3.0	4.0	NG	25.0	2.0	64.1	6.3
6	HKH-1191	2.0	2.0	100.0	100.0	2.0	61.2	-
7	D-003	2.0	2.0	100.0	36.3	1.0	61.1	5.7
8	UMH-1	1.0	3.5	100.0	100.0	1.0	60.8	6.1
9	UMH-2	3.0	5.0	88.0	55.5	1.0	43.8	4.3
10	EC-3116	3.0	4.5	100.0	53.8	2.0	67.7	7.7
11	BIO-92218	2.0	2.5	98.9	0.0	2.0	42.1	3.5
12	JKMH-1080	2.0	2.0	94.3	20.8	1.0	51.8	3.6
13	SEEDTEC-6234	2.0	2.5	86.3	31.8	2.0	72.0	5.3
14	KAVERI-235	2.0	2.0	100.0	23.8	1.0	12.0	5.3
	CHECKS							
15	KH 510	3.0	3.5	96.9	31.5	2.0	69.5	4.3
16	NAVJOT	2.0	4.0	100.0	55.5	2.0	43.4	7.5
17	DECCAN 107	2.0	2.0	100.0	37.5	1.0	56.3	3.9
	CM-500	-	-	100.0	-	-	-	-
	MAI-120	-	5.0	-	-	-	-	-

Table 16 Evaluation of maize genotypes (AET Ist Year Zone 1 early maturity - Trial No. 67) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5)			TLB (1-5)			BLSB (1-5)	
		ALM	DHAU	DEL	ALM	BAJ	NAG	DEL	PANT
1	SEEDTEC-1204	1.3	4.0	3.5	1.0	0.5	4.0	4.5	3.5
2	PAC 70002	1.5	1.0	2.0	1.3	1.0	3.5	4.0	3.0
3	PAC 70001	1.5	2.0	2.0	2.8	2.5	2.0	4.0	3.0
4	BIO-92109	1.5	2.0	3.0	1.5	0.5	4.5	4.0	4.0
	CHECKS								
5	X-3342	1.5	2.0	2.5	1.3	1.0	3.0	4.0	3.0
6	PEHM-2	1.5	1.0	3.5	1.3	3.0	4.5	4.0	4.0
7	MAHI KANCHAN	2.5	4.0	2.5	2.0	3.5	5.0	4.5	3.0
8	MEGHA	2.3	4.0	3.0	2.8	4.0	5.0	4.0	3.0
	CM-500	-	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	5.0	-	-
	Basi	-	-	-	-	-	-	-	3.6
	Navjot	-	-	-	-	-	-	-	3.8

SL. NO	Pedigree	SDM (%)		BSDM (1-5)		PFSR (1-9)	ESR (%)	
		MAND	UDP	DHAU	PANT	UDP	PANT	DHAU
1	SEEDTEC-1204	41.2	68.4	2.0	1.0	6.0	0.0	26.1
2	PAC 70002	95.7	52.6	1.0	1.0	6.1	4.7	7.8
3	PAC 70001	100.0	15.0	1.0	1.0	3.8	99.9	42.6
4	BIO-92109	80.6	17.6	1.0	3.0	3.3	17.6	44.6
	CHECKS							
5	X-3342	100.0	33.3	2.0	1.0	7.4	0.0	38.4
6	PEHM-2	100.0	57.1	1.0	1.0	6.2	5.8	50.0
7	MAHI KANCHAN	100.0	80.9	3.0	1.5	4.3	-	80.7
8	MEGHA	100.0	71.4	2.0	3.0	6.6	47.1	63.7
	CM-500	100.0	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-	-
	Basi	-	-	-	2.4		51.0	-
	Navjot	-	-	-	1.4		9.4	-

Table 17 Evaluation of maize genotypes (AET Ist Year Zone 3 medium maturity - Trial No. 67) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5)			TLB (1-5)	SDM (%)	BSDM (1-5)	ESR (%)
		DHAU	JASH	DHO	NAG	MAND	DHAU	DHAU
1	*R-9803*	3.0	2.5	3.2	4.0	100.0	2.0	53.6
	CHECKS							
2	X-3342	2.0	1.5	2.0	3.0	100.0	1.0	42.6
3	MEGHA	3.0	3.5	3.4	5.0	100.0	2.0	42.4
4	PEHM-2	3.0	2.5	2.6	4.0	96.6	1.0	53.8
5	MAHI KANCHAN	3.0	4.0	4.0	4.5	100.0	3.0	62.7
	CM-500	-	-	-	-	100.0	-	-
	MAI-120	-	-	-	5.0	-	-	-

Table 18 **Evaluation of maize genotypes (AET Ist Year Zone 4 medium maturity - Trial No. 67) against major diseases during 2002 K**

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	COIM	ARB	SDM (%) MAND	COIM	BSDM (1-5) DHAU
1	PAC-70001	3.0	2.5	1.5	1.0	96.9	100.0	2.0
2	BIO-92109	3.0	4.5	2.0	4.0	93.3	94.2	1.0
3	SEEDTEC-1202	1.0	2.0	2.0	1.5	88.2	91.3	3.0
4	BISCO-208	2.0	2.0	1.5	4.0	43.5	44.0	2.0
5	BIO-92136	3.0	2.0	1.5	1.5	88.8	85.3	3.0
	CHECKS							
6	X-3342	2.0	4.5	2.0	2.0	97.2	100.0	1.0
7	MEGHA	2.0	5.0	2.0	3.0	100.0	100.0	1.0
8	PEHM-2	1.0	3.5	2.5	2.5	100.0	100.0	2.0
9	MAHI KANCHAN	-	5.0	1.0	2.0	100.0	100.0	-
	CM-500	-	-	2.5	-	100.0	100.0	-
	MAI-120	-	5.0	-	-	-	-	-
	CM-202	-	-	-	5.0	-	-	-

SL. NO	Pedigree	PFSR (1-9) HYD	ESR (%) DHAU	C.RUST (1-5) ARB
1	PAC-70001	6.0	44.0	1.0
2	BIO-92109	6.0	18.0	4.5
3	SEEDTEC-1202	7.2	32.0	2.0
4	BISCO-208	3.5	40.9	4.0
5	BIO-92136	6.0	24.5	2.0
	CHECKS			
6	X-3342	6.0	32.8	3.0
7	MEGHA	6.7	18.8	3.5
8	PEHM-2	5.8	81.8	2.0
9	MAHI KANCHAN	6.9	-	2.8
	CM-500	-	-	-
	MAI-120	-	-	-
	CM-202	-	-	4.8

Table 19 **Evaluation of maize genotypes (AET Ist Year Zone 5 early maturity - Trial No. 67) against major diseases during 2002 K**

.. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) MAND	UDP	BSDM (1-5) DHAU	PFSR (1-9) UDP	ESR (%) DHAU
1	R-9803	2.0	5.0	100.0	68.4	2.0	6.0	82.5
2	FH-3161	1.0	3.0	100.0	52.6	1.0	6.1	42.6
3	SEEDTEC-1202	2.0	3.5	97.4	15.0	1.0	3.8	18.8
4	BIO-92136	1.0	2.0	59.4	17.6	1.0	3.3	33.3
	CHECKS							
5	X-3342	1.0	2.0	100.0	33.3	1.0	7.4	40.5
6	MEGHA	2.0	5.0	100.0	57.1	1.0	6.2	76.9
7	PEHM-2	2.0	3.0	100.0	80.9	3.0	4.3	48.0
8	MAHI KANCHAN	3.0	5.0	77.7	71.4	3.0	6.6	69.0
	CM-500	-	-	100.0	-	-	-	-
	MAI-120	-	5.0	-	-	-	-	-

Table 20 Evaluation of maize genotypes (AET Ist Year Zone 2 extra-early maturity - Trial No. 6B) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) LUD	DHAU	DEL	KAR	TLB (1-5) NAG	BLSB (1-5) DEL	PANT
1	SEDTEC-1205	0.0	1.0	2.0	1.5	2.5	4.5	3.5
	CHECKS							
2	HIM-129	0.0	1.0	2.5	1.5	5.0	4.0	3.0
3	SURYA	1.5	1.0	3.0	3.0	5.0	4.0	3.0
	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	5.0	-	-
	Basi	-	-	-	-	-	-	3.6
	Navjot	-	-	-	-	-	-	3.8

SL. NO	Pedigree	SDM (%) MAND	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD	ESR (%) DHAU	ESR (%) PANT
1	SEDTEC-1205	86.2	1.0	1.5	2.9	50.6	17.6
	CHECKS						
2	HIM-129	93.3	1.0	1.5	2.3	64.7	22.7
3	SURYA	100.0	2.0	1.0	2.2	78.8	99.9
	CM-500	100.0	-	-	-	-	-
	MAI-120	-	-	-	-	-	-
	Basi	-	-	2.4	-	-	51.0
	Navjot	-	-	1.4	-	-	9.4

Table 21 **Evaluation of maize genotypes (AET Ist Year Zone 1, 3 and 4 extra-early maturity - *Trial No. 68) against major diseases during 2002 K***

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	JASH	DHO	DEL	KAR
1	FH-3186	1.3	3.0	2.5	3.8	2.5	2.0
2	FH-3176	1.0	4.0	3.5	4.2	2.5	3.0
	CHECKS						
3	HIM-129	1.8	3.0	2.5	4.0	3.0	3.0
4	SURYA	1.5	2.0	3.0	4.2	3.5	3.0
	CM-500	-	-	-	-	-	-
	CM-202	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-
	Basi	-	-	-	-	-	-
	Navjot	-	-	-	-	-	-

SL. NO	Pedigree	TLB (1-5) ALM	BAJ	NAG	ARB	COIM	BLSB (1-5) PANT	DEL	SDM (%) MAND
1	FH-3186	1.3	2.5	3.0	3.0	1.0	5.0	5.0	100.0
2	FH-3176	2.5	3.0	2.0	2.5	1.5	4.5	5.0	100.0
	CHECKS								
3	HIM-129	1.5	2.0	2.5	2.5	1.5	4.0	4.5	87.1
4	SURYA	2.8	4.0	4.0	2.6	1.0	3.5	4.5	100.0
	CM-500	-	-	-	-	1.5	-	-	-
	CM-202	-	-	-	5.0	-	-	-	-
	MAI-120	-	-	5.0	-	-	-	-	-
	Basi	-	-	-	-	-	3.6		-
	Navjot	-	-	-	-	-	3.8		-

SL. NO	Pedigree	BSDM (1-5) DHAU	PANT	SDM % COIM	PFSR (1-9) HYD	ESR (%) DHAU	PANT	C.RUST (1-5) ARB
1	FH-3186	3.0	1.0	100.0	6.5	81.9	15.8	2.5
2	FH-3176	1.0	2.0	100.0	7.8	75.7	38.1	4.0
	CHECKS							
3	HIM-129	3.0	1.0	100.0	7.0	77.4	99.9	3.5
4	SURYA	3.0	2.5	100.0	5.5	63.1	65.0	3.5
	CM-500	-	-	100.0	-	-	-	-
	CM-202	-	-	-	-	-	-	4.8
	MAI-120	-	-	-	-	-	-	-
	Basi	-	2.4	-	-	-	51.0	-
	Navjot	-	1.4	-	-	-	9.4	-

Table 22 **Evaluation of maize genotypes (AET Ist Year Zone 5 extra-early maturity - Trial No. 68) against major diseases during 2002 K**

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) UDP	BSDM (1-5) DHAU	PFSR (1-9) UDP	ESR (%) DHAU
1	FH-3186	3.0	3.5	30.0	4.0	7.2	69.7
2	VL 97	2.0	4.5	13.0	1.0	6.2	77.4
3	EC-3108 (RETESTING)	2.0	5.0	27.7	3.0	4.6	71.1
	CHECKS						
4	HIM-129	3.0	2.5	31.2	3.0	6.2	79.7
5	SURYA	2.0	5.0	63.6	4.0	8.3	88.0
	MAI-120	-	5.0	-	-	-	-

Table 23 Evaluation of maize genotypes (AET Ist Year Zone 1 full season maturity - Trial No. 69) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	MLB (1-5) DHAU	TLB (1-5) ALM	TLB (1-5) BAJ	TLB (1-5) NAG	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	BH-1015 (RETESTING)	1.0	1.5	1.8	2.5	4.0	91.1	3.5	57.6
2	NECH-105	1.3	1.5	1.0	0.5	3.0	90.0	1.0	76.4
	CHECKS								
3	GANGA-11	1.0	1.5	1.0	2.5	4.5	100.0	1.0	88.0
4	PRO-311	1.0	1.5	1.0	1.5	2.0	84.5	1.0	82.9
5	DECCAN-103	1.3	1.0	1.0	1.5	3.5	100.0	2.0	93.9
	CM-500	-	-	-	-	-	100.0	-	-
	MAI-120	-	-	-	-	5.0	-	-	-

Table 24 Evaluation of maize genotypes (AET Ist Year Zone 2 full season maturity - Trial No. 69) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	MLB (1-5) DEL	MLB (1-5) LUD	MLB (1-5) KAR	TLB (1-5) NAG	BLSB (1-5) DEL	BLSB (1-5) PANT	SDM (%) MAND
1	BH-1620	2.0	1.5	0.0	3.5	2.0	4.0	3.0	100.0
2	BH-1434	1.0	2.5	0.0	1.0	2.5	3.5	4.0	100.0
3	NECH-105	1.0	3.0	1.5	1.0	3.5	3.0	2.5	100.0
	CHECKS								
4	GANGA-11	1.0	3.0	1.0	2.0	3.0	4.0	3.0	100.0
5	PRO-311	1.5	2.0	1.5	2.5	2.0	4.0	3.0	100.0
6	DECCAN-103	1.0	3.5	1.5	2.0	2.0	4.0	3.0	100.0
	CM-500	-	-	-	-	-	-	-	100.0
	MAI-120	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	-	3.6	-
	Navjot	-	-	-	-	-	-	3.8	-

SL. NO	Pedigree	BSDM (1-5) DHAU	BSDM (1-5) PANT	PFSR (1-9) LUD	ESR (%) DHAU	ESR (%) PANT
1	BH-1620	2.5	1.0	1.8	41.2	0.0
2	BH-1434	1.0	1.5	2.1	97.1	18.1
3	NECH-105	3.0	1.0	1.8	90.2	0.0
	CHECKS					
4	GANGA-11	1.0	1.0	2.5	84.3	0.0
5	PRO-311	2.5	1.0	2.5	88.8	16.6
6	DECCAN-103	1.0	1.5	1.9	86.9	0.0
	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	Basi	-	2.4	-	-	51.0
	Navjot	-	1.4	-	-	9.4

Table 25 Evaluation of maize genotypes (AET Ist Year Zone 3 full season maturity - Trial No. 69) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) JASH	DHAU	DHO	TLB (1-5) NAG	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	NECH-105	2.0	2.5	2.5	2.0	91.1	3.5	81.0
	CHECKS							
2	GANGA-11	2.5	2.0	2.0	4.5	100.0	2.0	80.4
3	PRO-311	1.5	2.0	2.4	2.5	90.6	3.0	56.8
4	DECAN 103	4.0	1.0	2.6	3.5	100.0	2.0	59.6
	CM-500	-	-	-	5.0	100.0	-	-

Table 26 Evaluation of maize genotypes (AET Ist Year Zone 4 full season maturity - Trial No. 69) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) COIM	NAG	ARB	SDM (%) COIM	MAND	BSDM (1-5) DHAU
1	NECH-105	3.0	1.5	3.5	1.0	100.0	100.0	2.0
2	F-8007	2.0	2.0	2.5	1.0	100.0	100.0	2.0
	CHECKS							
3	GANGA-11	2.0	1.0	4.5	2.5	100.0	100.0	3.0
4	PRO-311	3.0	1.0	3.0	2.2	62.5	96.7	2.0
5	DECCAN-103	2.5	1.5	2.0	1.8	100.0	100.0	3.0
	CM-500	-	2.0	-	-	100.0	100.0	-
	MAI-120	-	-	5.0	-	-	-	-
	CM-202	-	-	-	5.0	-	-	-

SL. NO	Pedigree	PFSR (1-9) HYD	ESR (%) DHAU	C. RUST (1-5) ARB
1	NECH-105	6.0	69.8	2.6
2	F-8007	3.9	90.2	1.0
	CHECKS			
3	GANGA-11	5.5	61.1	4.0
4	PRO-311	6.3	68.1	1.8
5	DECCAN-103	5.5	84.2	3.2
	CM-500	-	-	-
	MAI-120	-	-	-
	CM-202	-	-	4.8

Table 27 Evaluation of maize genotypes (AET Ist Year Zone 5 full season maturity - Trial No. 69) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) UDP	MAND	BSDM (1-5) DHAU	PFSR (1-9) UDP	ESR (%) DHAU
1	NECH-109	2.0	2.5	0.0	33.3	2.0	2.9	55.0
2	NECH-105	3.0	2.0	43.4	97.2	3.0	3.4	45.4
	CHECKS							
3	GANGA-11	3.0	4.5	47.0	96.5	3.0	6.5	52.3
4	PRO-311	3.0	2.0	5.8	90.6	3.5	4.3	27.5
5	DECCAN-103	4.0	2.5	52.6	100.0	3.0	4.4	54.0
	CM-500	-	5.0	-	100.0	-	-	-
	CM-202	-	-	-	-	-	-	-

Table 28 Evaluation of maize genotypes (AET IInd Year Zone 1 medium maturity - Trial No. 70) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5)			TLB (1-5)			BLSB (1-5)	
		ALM	DHAU	DEL	ALM	BAJ	NAG	PANT	DEL
1	BIO-81009	1.0	1.0	2.0	1.5	2.0	2.0	3.5	4.0
2	BIO-81096	1.0	2.5	3.0	2.0	0.5	2.5	3.5	4.5
	CHECKS								
3	KV 510	1.0	3.0	2.5	1.5	0.5	2.0	3.5	4.0
4	NAVJOT	1.0	3.0	2.5	1.3	1.5	5.0	4.0	4.5
5	DECCAN-107	1.8	1.0	3.0	1.3	1.5	3.5	4.0	4.0
	CM-500	-	-	-	-	-	5.0	-	-
	Basi	-	-	-	-	-	-	3.6	-
	Navjot	-	-	-	-	-	-	3.8	-

SL. NO	Pedigree	SDM (%)	BSDM (1-5)		ESR (%)	
		MAND	DHAU	PANT	DHAU	PANT
1	BIO-81009	94.3	2.0	1.5	53.5	0.0
2	BIO-81096	88.8	2.0	1.0	42.3	0.0
	CHECKS					
3	KV 510	97.0	3.0	1.0	62.3	0.0
4	NAVJOT	100.0	2.0	1.5	56.9	12.5
5	DECCAN-107	100.0	2.0	1.5	62.0	0.0
	CM-500	100.0	-	-	-	-
	Basi	-	-	2.4	-	51.0
	Navjot	-	-	1.4	-	9.4

Table 29 Evaluation of maize genotypes (AET IInd Year Zone 2 medium maturity - *Trial No. 70) against major diseases during 2002 K*

SL. NO	Pedigree	MLB (1-5) DHAU	DEL	LUD	KAR	TLB (1-5) NAG	BLSB (1-5) DEL	PANT	SDM (%) MAND
1	HKH-1170	3.0	3.0	2.5	2.0	4.0	4.5	3.5	100.0
2	HKH-1171	3.5	3.5	1.5	1.0	3.5	4.0	4.0	100.0
3	X-46172	1.0	2.5	1.0	2.0	2.0	4.0	3.0	94.1
4	BIO-91116	1.0	2.0	3.0	2.0	2.0	4.0	2.0	93.9
	CHECKS								
5	KH 510	2.0	2.5	3.0	2.0	2.5	4.0	3.5	100.0
6	NAVJOT	3.0	2.5	0.0	2.5	5.0	4.0	4.0	100.0
7	DECCAN-107	2.0	3.0	1.0	1.5	2.5	4.0	3.0	100.0
	CM-500	-	-	-	-	-	-	-	100.0
	MAI-120	-	-	-	-	5.0	-	-	-
	Basi	-	-	-	-	-	-	3.6	-
	Navjot	-	-	-	-	-	-	3.8	-

SL. NO	Pedigree	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD	ESR (%) DHAU	PANT
1	HKH-1170	2.0	3.0	1.8	42.4	0.0
2	HKH-1171	2.0	3.0	1.5	46.5	20.0
3	X-46172	2.0	1.0	2.0	69.2	5.8
4	BIO-91116	3.0	1.0	1.5	50.0	7.7
	CHECKS					
5	KH 510	2.0	1.5	2.0	25.4	20.0
6	NAVJOT	2.0	1.0	1.8	10.4	50.0
7	DECCAN-107	3.0	2.0	1.9	17.5	6.6
	CM-500	-	-	-	-	-
	MAI-120	-	-	-	-	-
	Basi	-	2.4	-	-	51.0
	Navjot	-	1.4	-	-	9.4

Table 30 Evaluation of maize genotypes (AET IInd Year Zone 3 medium maturity - Trial No. 70) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) JASH	DHO	DHAU	TLB (1-5) NAG	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	JKMH-168	1.5	3.0	2.5	2.5	97.1	3.0	37.6
2	BIO-81009	1.5	2.8	1.0	2.0	100.0	2.5	41.5
3	BIO-81096	1.5	2.6	4.0	5.0	97.1	3.0	36.0
4	X-46172	1.5	2.0	2.0	2.0	97.0	3.0	50.6
5	BIO-91116	2.5	2.7	4.0	2.5	94.1	2.0	50.0
6	PRO 345	2.0	3.8	2.0	3.5	81.8	2.0	29.3
	CHECKS							
7	KH 510	2.0	3.6	3.0	3.0	100.0	2.0	55.5
8	NAVJOT	3.5	4.0	4.0	3.5	100.0	2.0	46.9
9	DECCAN-107	3.5	3.5	4.0	2.0	100.0	2.0	48.7
	CM-500	-	-	-	-	100.0	-	-
	MAI-120	-	-	-	5.0	-	-	-

Table 31 Evaluation of maize genotypes (AET IInd Year Zone 4 medium maturity - *Trial No. 70) against major diseases during 2002 K*

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) COIM	NAG	ARB	SDM (%) COIM	MAND	BSDM (1-5) DHAU
1	R-9702	3.0	1.5	4.5	2.5	100.0	100.0	3.0
2	BH-1576	2.0	1.5	2.0	2.0	100.0	100.0	2.0
3	AH-918	1.0	1.0	3.5	3.0	100.0	100.0	2.0
	CHECKS							
4	KH 510	1.0	2.5	2.0	2.2	100.0	100.0	2.0
5	NAVJOT	4.0	1.0	5.0	3.0	100.0	100.0	4.0
6	DECCAN-107	-	1.5	4.5	1.5	100.0	100.0	-
	CM-500	-	2.5	-	-	100.0	100.0	-
	MAI-120	-	-	5.0	-	-	-	-
	CM202	-	-	-	5.0	-	-	-

SL. NO	Pedigree	PFSR (1-9) HYD	ESR (%) DHAU	C. RUST (1-5) ARB
1	R-9702	7.1	48.8	3.2
2	BH-1576	6.7	19.2	4.0
3	AH-918	6.4	74.3	2.2
	CHECKS			
4	KH 510	6.7	35.9	3.8
5	NAVJOT	6.7	37.5	3.2
6	DECCAN-107	6.0	-	4.8
	CM-500	-	-	-
	MAI-120	-	-	-
	CM 202	-	-	4.8

Table 32 Evaluation of maize genotypes (AET IInd Year Zone 5 medium maturity - Trial No. 70) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) NAG	SDM (%) UDP	MAND	BSDM (1-5) DHAU	PFSR (1-9) UDP	ESR (%) DHAU
1	BIO-91116	2.0	3.0	0.0	84.0	3.0	4.6	40.3
2	R-9702	3.0	4.5	47.8	100.0	2.0	7.0	61.1
3	BH-1576	4.0	2.0	63.8	100.0	2.0	3.2	35.7
4	AH-915	2.0	3.0	45.8	100.0	2.0	3.6	46.8
5	PRO 345	2.0	2.0	0.0	69.2	2.0	4.1	52.7
	CHECKS							
6	KH 510	3.0	3.0	4.1	100.0	3.0	4.8	23.9
7	NAVJOT	3.0	5.0	18.1	100.0	2.0	6.8	38.8
8	DECCAN-107	4.0	3.5	40.9	100.0	4.0	4.8	44.1
	CM-500	-	-	-	100.0	-	-	-
	MAI-120	-	5.0	-	-	-	-	-

Table 33 Evaluation of maize genotypes (AET IInd Year Zone 1 early maturity - Trial No. 71) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	TLB (1-5) ALM	BAJ	NAG	SDM % MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	EC-1108	1.3	2.0	1.3	0.5	4.0	100.0	2.0	13.3
2	FH-3138	1.3	2.0	1.5	1.5	3.5	100.0	3.5	72.3
	CHECKS								
3	X-3342	1.3	3.0	2.0	0.5	4.5	100.0	2.0	45.0
4	MEGHA	1.3	2.0	1.3	1.5	5.0	100.0	3.0	68.9
5	PEHM-2	1.3	2.0	3.0	2.5	5.0	100.0	1.0	50.7
6	MAHI KANCHAN	1.3	2.0	2.5	2.5	5.0	100.0	2.0	76.0
	CM-500	-	-	-	-	-	100.0	-	-
	MAI-120	-	-	-	-	5.0	-	-	-

Table 34 Evaluation of maize genotypes (AET IInd Year Zone 2 early maturity - Trial No. 71) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DEL	DHAU	LUD	KAR	TLB (1-5) NAG	BLSB (1-5) DEL	PANT
1	X-2002	2.5	2.0	1.5	3.0	2.0	3.5	3.5
2	BISCO-203	1.5	3.0	2.0	2.0	2.0	4.0	3.0
	CHECKS							
3	X-3342	2.5	2.0	1.5	1.5	4.0	4.5	4.0
4	MEGHA	3.0	3.0	1.0	2.0	5.0	3.5	3.5
5	PEHM-2	2.5	3.0	1.5	2.0	5.0	4.0	4.0
6	MAHI KANCHAN	3.5	4.0	3.0	2.0	5.0	4.0	3.5
	CM-500	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	5.0	-	-
	Basi	-	-	-	-	-	-	3.6
	Navjot	-	-	-	-	-	-	3.8

SL. NO	Pedigree	SDM (%) MAND	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD	ESR (%) DHAU	PANT
1	X-2002	100.0	1.0	1.5	2.5	7.2	15.5
2	BISCO-203	50.0	1.0	1.0	2.0	15.2	40.0
	CHECKS						
3	X-3342	100.0	3.0	1.5	2.1	30.3	54.5
4	MEGHA	100.0	2.0	2.0	1.8	34.3	47.1
5	PEHM-2	100.0	3.0	1.0	2.1	40.9	68.7
6	MAHI KANCHAN	96.7	3.0	3.5	2.2	56.5	64.7
	CM-500	100.0	-	-	-	-	-
	MAI-120	-	-	-	-	-	-
	Basi	-	-	2.4	-	-	51.0
	Navjot	-	-	1.4	-	-	9.4

Table 35 Evaluation of maize genotypes (AET IInd Year Zone 4 early maturity - Trial No. 71) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	TLB (1-5) NAG	COIM	ARB	SDM (%) COIM	MAND
1	R-9701	3.0	3.0	3.5	1.5	2.5	100.0	100.0
2	PRO-340 (RETESTING)	2.0	2.0	2.5	1.5	1.0	73.3	91.2
3	FH-3113	3.0	3.0	3.5	1.0	2.0	100.0	100.0
	CHECKS							
4	X-3342	2.0	2.0	2.5	1.5	2.5	100.0	100.0
5	MEGHA	1.0	1.0	5.0	2.5	4.0	100.0	100.0
6	PEHM-2	3.0	3.0	5.0	2.0	2.0	100.0	100.0
7	MAHI KANCHAN	3.0	3.0	5.0	1.5	4.0	100.0	100.0
	CM-500	-	-	-	2.5	-	100.0	100.0
	CM-202	-	-	-	-	5.0	-	-
	MAI-120	-	-	5.0	-	-	-	-

SL. NO	Pedigree	BSDM (1-5) DHAU	ESR (%) DHAU	PFSR (1-9) HYD	C. ROT (1-5) ARB
1	R-9701	2.0	33.8	7.5	3.0
2	PRO-340 (RETESTING)	3.0	63.9	7.6	2.0
3	FH-3113	3.0	39.6	7.3	4.0
	CHECKS				
4	X-3342	2.0	30.5	7.5	3.0
5	MEGHA	2.0	53.6	7.6	4.5
6	PEHM-2	2.0	44.6	6.5	3.0
7	MAHI KANCHAN	3.0	80.3	7.2	4.5
	CM-500	-	-	-	-
	CM-202	-	-	-	4.8
	MAI-120	-	-	-	-

Table 36 Evaluation of maize genotypes (AET IInd Year Zones 1 and 2 extra-early maturity - Trial No. 72) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DHAU	DEL	LUD	KAR	TLB (1-5) ALM	BAJ	NAG
1	AH-421	1.5	2.0	3.0	1.5	3.0	1.8	0.5	2.5
	CHECKS								
2	HIM-129	1.5	3.0	2.5	1.5	2.5	1.5	1.0	4.5
3	SURYA	1.8	3.0	2.5	1.5	1.5	2.0	3.0	5.0
	CM-500	-	-	-	-	-	-	-	-
	MAI-120	-	-	-	-	-	-	-	5.0
	Basi	-	-	-	-	-	-	-	-
	Navjot	-	-	-	-	-	-	-	-

SL. NO	Pedigree	BLSB (1-5) PANT	DEL	SDM (%) DHAU	BSDM (1-5) DHAU	PANT	PFSR (1-9) LUD
1	AH-421	3.5	4.0	97.0	2.0	3.5	2.6
	CHECKS						
2	HIM-129	3.5	3.5	93.1	2.0	2.0	2.2
3	SURYA	4.5	4.5	100.0	3.0	3.0	2.5
	CM-500	-	-		-	-	-
	MAI-120	-	-	-	-	-	-
	Basi	3.6	-	-	-	-	-
	Navjot	3.8	-	-	-	-	-

SL. NO	Pedigree	ESR (%) DHAU	PANT
1	AH-421	36.1	23.1
	CHECKS		
2	HIM-129	42.4	99.9
3	SURYA	57.3	52.9
	CM-500	-	-
	MAI-120	-	-
	Basi	-	51.0
	Navjot	-	9.4

Table 37 Evaluation of maize genotypes (AET IInd Year Zone 3 extra-early maturity - Trial No. 72) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) JASH	DHAU	TLB (1-5) NAG	DHO	SDM (%) MAND	BSDM (1-5) DHAU	ESR (%) DHAU
1	D-994	3.0	3.0	5.0	3.0	97.0	2.0	43.6
2	D-995	2.5	2.5	3.5	2.8	100.0	3.5	43.6
3	BAU - (FS) V1	3.5	3.0	5.0	3.2	100.0	2.0	74.0
	CHECKS							
4	HIM-129	3.0	2.0	2.5	2.0	90.0	3.0	67.7
5	SURYA	4.0	2.0	4.0	3.0	100.0	3.0	17.6
	CM-500	-	-	-	-	100.0	-	-
	MAI-120	-	-	5.0	-	-	-	-

Table 38 Evaluation of maize genotypes (AET IInd Year Zone 4 extra-early maturity - Trial No. 72) against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DHAU	TLB (1-5) COIM	NAG	ARB	SDM (%) COIM	MAND	BSDM (1-5) DHAU
1	EC-3108	3.0	2.0	4.0	3.5	100.0	100.0	3.0
2	AH-421	1.0	2.0	2.5	2.0	86.7	100.0	3.0
	CHECKS							
3	HIM-129	3.0	2.5	3.5	2.5	100.0	96.8	3.0
4	SURYA	4.0	2.0	5.0	4.5	100.0	100.0	3.0
	CM-500	-	2.0	-	-	100.0	100.0	-
	MAI-120	-	-	5.0	-	-	-	-

SL. NO	Pedigree	PFSR (1-9) HYD	ESR (%) DHAU	C.RUST (1-5) ARB
1	EC-3108	5.3	4.3	3.5
2	AH-421	6.0	49.0	2.6
	CHECKS			
3	HIM-129	7.8	40.0	3.6
4	SURYA	7.7	38.4	2.0
	CM-500	-	-	-
	MAI-120	-	-	-

Table 39 Trap Nursery (Reaction of various maize diseases in natural condition) *during 2002 K*

SL. NO	Pedigree	MLB (1-5) BAJ	JASH	DHO	DHAU	PANT	TLB (1-5) NAG	KOLH	BAJ
1	CM 104	-	1.5	1.0	1.0	2.0	-	1.2	-
2	CM 105	-	1.5	1.5	1.5	3.0	-	2.0	-
3	CM 111	0.0	2.5	2.0	1.5	2.5	4.0	2.3	4.0
4	CM 115	-	2.0	2.2	3.0	2.0	-	-	-
5	CM 120	1.0	3.0	2.5	2.0	3.0	0.5	1.6	0.5
6	CM 123	-	2.5	2.5	2.5	3.0	-	1.0	-
7	CM 125	2.5	3.0	3.0	ng	4.0	0.5	1.5	0.5
8	CM 201	1.5	2.0	3.2	2.0	4.0	1.0	1.2	1.0
9	CM 209	0.5	2.5	2.8	1.0	4.0	0.5	1.3	0.5
10	CM 210	-	2.0	3.4	1.5	1.5	-	1.2	-
11	CM 300	1.0	3.0	3.5	2.0	4.0	2.0	2.0	2.0
12	CM 400	1.0	2.0	3.0	2.0	3.0	3.5	2.2	3.5
13	CM 500	1.5	3.5	2.5	2.5	2.0	2.5	2.0	2.5
14	CM 501	0.5	3.0	2.9	2.5	-	0.5	1.2	0.5
15	CM 600	1.0	2.5	3.8	2.0	3.0	2.5	4.3	2.5
	Basi	-	-	-	-	-	-	-	-
	Navjot	-	-	-	-	-	-	-	-

SL. NO	Pedigree	BLSB (1-5) BAJ	DHAU	DHO	JASH	PANT	BSDM (1-5) DHAU	PANT
1	CM 104	-	1.5	-	2.0	1.5	1.0	1.0
2	CM 105	0.0	2.5	2.0	2.5	3.0	1.0	1.0
3	CM 111	0.0	2.0	2.0	1.5	3.0	1.5	1.0
4	CM 115	-	1.0	-	3.0	3.0	1.0	1.0
5	CM 120	3.0	1.0	-	2.5	3.0	1.5	1.0
6	CM 123	-	1.0	2.0	3.0	2.5	1.0	1.0
7	CM 125	1.0	-	-	2.5	3.0	-	1.0
8	CM 201	1.5	1.0	2.0	2.0	2.5	1.0	1.0
9	CM 209	1.0	1.0	-	2.0	2.0	1.0	1.0
10	CM 210		1.0	2.0	2.5	4.0	1.0	1.0
11	CM 300	0.0	1.0	-	2.0	4.0	1.0	1.0
12	CM 400	2.0	1.5	4.0	2.5	4.0	2.0	1.0
13	CM 500	1.0	2.0	-	2.5	3.0	1.0	1.0
14	CM 501	0.5	1.5	6.0	2.0	-	1.0	-
15	CM 600	1.0	2.5	-	2.0	3.5	2.0	1.0
	Basi	-	-	-	-	-	-	2.4
	Navjot	-	-	-	-	-	-	1.4

Table 39

SL. NO	Pedigree	Pythium s. rot%	PFSR (1-9)	ESR (%)		Bacterial stalk rot	Fusial wilt %	Curvularia leaf spot 1-5	
		DHO	HYD	DHAU	PANT	DHO	DHO	JASH	DHAU
1	CM 104	-	6.7	14.1	0.0	-	-	1.5	1.0
2	CM 105	-	7.8	7.2	0.0	-	-	2.0	2.0
3	CM 111	4.0	2.3	5.2	0.0	-	4.0	2.0	1.0
4	CM 115	-	4.7	6.3	0.0	-	-	1.5	1.5
5	CM 120	-	4.4	7.9	0.0	2.0	-	2.5	2.0
6	CM 123	-	5.0	5.0	20.0	-	2.0	1.5	1.0
7	CM 125	-	6.8	-	0.0	-	-	2.0	-
8	CM 201	2.0	8.6	0.0	0.0	-	2.0	1.5	1.5
9	CM 209	-	5.2	4.2	0.0	-	-	1.5	2.0
10	CM 210	4.0	3.0	0.0	9.1	2.0	2.0	1.0	1.0
11	CM 300	2.0	5.2	5.1	0.0	2.0	4.0	1.5	1.0
12	CM 400		8.0	8.2	0.0	-	-	1.5	1.0
13	CM 500	4.0	7.6	7.5	0.0	-	-	2.0	1.5
14	CM 501	-	-	5.0	-	2.0	-	1.5	1.0
15	CM 600	-	6.6	8.1	0.0	-	4.0	1.5	2.0
	Basi	-	-	-	51.0	-	-	-	-
	Navjot	-	-	-	9.4	-	-	-	-

SL. NO	Pedigree	Brown spot (1-5)		Stalk rot %
		DHAU	BAJ	JASH
1	CM 104	1.0	-	31.1
2	CM 105	1.0	-	47.4
3	CM 111	1.0	2.5	21.8
4	CM 115	2.0	-	22.2
5	CM 120	1.5	2.0	26.5
6	CM 123	1.0	-	27.3
7	CM 125	-	2.0	31.8
8	CM 201	1.0	2.5	41.7
9	CM 209	1.0	2.0	34.8
10	CM 210	1.0	-	44.9
11	CM 300	1.5	0.5	24.0
12	CM 400	1.0	1.0	44.0
13	CM 500	1.0	2.0	32.2
14	CM 501	1.5	2.5	16.7
15	CM 600	1.0	2.0	48.6
	Basi	-	-	-
	Navjot			

Table 40 Evalaution of inbred lines against major diseases during 2002 K

S.No.	Pedigree	MLB (1-5) PANT	DHAU	TLB (1-5) NAG	BLSB (1-5) PANT	SDM (%) UDP	MAN	BSDM (1-5) PANT	DHAU
1	CM-126	3.0	4.0	4.0	3.5	64.2	100.0	1.0	2.0
2	CM-127	3.5	4.0	2.5	4.0	35.0	100.0	1.0	2.0
3	CM-128	1.0	3.0	5.0	4.0	50.0	100.0	1.0	3.0
4	CM-129	1.0	3.0	3.5	4.0	0.0	100.0	1.0	2.0
5	CM-141	3.5	2.0	2.0	4.0	20.0	94.1	1.0	2.0
6	CM-145	2.0	1.0	3.5	2.0	0.0	77.7	1.0	2.0
7	CM-212	4.0	4.0	4.5	3.0	94.4	100	1.0	3.0
8	V 25	4.0	3.0	4.0	4.0	84.2	100	1.0	2.0
9	DKI-9515	3.5	3.0	5.0	4.0	31.2	100.0	1.0	2.0
10	DKI-3	2.0	3.0	5.0	2.0	38.0	85.7	1.0	2.0
11	DKI-9406	2.0	2.0	4.0	2.0	31.2	100.0	1.0	2.0
12	DKI-22 A	2.0	1.0	4.0	2.0	46.1	93.7	1.0	1.0
13	DMR-89145-Sr.8	2.0	3.0	2.5	2.0	46.1	100.0	1.0	2.0
	CM-500	-	-	-	-	-	100.0	-	-
	Basi	-	-	-	3.6	-	-	2.4	-
	Navjot	-	-	-	3.8	-	-	1.4	-
	MAI-120	-	-	5.0	-	-	-	-	-

S.No.	Pedigree	PFSR (1-9) HYD	DMR	ESR (%) PANT	DHAU
1	CM-126	8.0	NG	9.1	63.6
2	CM-127	9.0	2.5	6.6	60.6
3	CM-128	7.0	2.0	7.1	50.0
4	CM-129	8.0	6.5	5.5	12.5
5	CM-141	9.0	NG	0.0	12.5
6	CM-145	7.5	NG	11.1	72.5
7	CM-212	7.2	8.0	10.0	40.0
8	V 25	8.2	2.0	6.6	100.0
9	DKI-9515	5.2	2.0	0.0	54.5
10	DKI-3	4.0	2.5	0.0	33.3
11	DKI-9406	8.8	5.2	6.6	30.0
12	DKI-22 A	7.5	4.2	0.0	83.3
13	DMR-89145-Sr.8	5.0	NG	0.0	14.2
	CM-500	-	-	-	-
	Basi	-	-	51.0	-
	Navjot	-	-	9.4	-
	MAI-120	-	-	-	-

Table 41 Evaluation of maize genotypes QPM-1 against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DEL	TLB (1-5) ALM	BLSB (1-5) DEL	PFSR (1-9) HYD
1	JH-QPM-15	1.3	1.5	1.0	4.0	5.7
2	JH-QPM-29	1.3	1.5	1.3	4.0	5.0
3	JH-QPM-42	1.0	2.5	1.3	3.5	5.5
4	JH-QPM-78	1.3	2.5	1.0	3.5	6.7
5	JH-QPM-79	1.5	2.5	1.5	4.0	5.9
6	JH-QPM-80	1.0	1.5	1.3	4.0	6.3
7	JH-QPM-81	1.0	1.5	1.0	3.5	6.5
8	HQPM-1	1.8	3.0	1.0	4.0	6.2
9	HQPM-2	1.0	1.5	1.5	3.5	5.4
10	HQPM-3	1.0	1.5	2.5	4.0	7.3
11	B-QPMH-12	1.0	1.5	2.5	3.5	6.4
12	B-QPMH-024	1.0	2.5	3.0	4.0	6.3
13	B-QPMH-31	1.8	2.5	2.5	4.5	5.6
14	B-QPMH-32	1.5	3.0	1.8	4.5	6.9
15	B-QPMH-33	1.5	4.0	1.8	4.0	5.8
16	SHAKTIMAN-1	1.5	3.5	2.0	4.5	7.1
17	GANGA-11	1.8	3.0	1.3	4.0	5.8
18	SHAKTI-1	1.0	3.5	2.8	5.0	7.6

Table 42 Evaluation of maize genotypes QPM-2 against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DEL	TLB (1-5) ALM	BLSB (1-5) DEL	PFSR (1-9) HYD
1	JH QPM-24	1.5	3.0	2.5	4.0	6.3
2	JH QPM-26	1.5	1.5	2.5	4.0	6.0
3	JH QPM-56	1.0	2.5	2.0	5.0	7.0
4	JH QPM-82	1.3	1.5	2.3	3.5	7.2
5	JH QPM-83	1.3	2.5	3.5	4.0	7.5
6	JH QPM-84	1.3	2.0	3.0	4.0	8.0
7	X P 0101	1.0	2.5	2.0	4.0	5.4
8	XP 0102	1.0	1.5	1.8	3.0	7.4
9	XP 0103	1.0	1.5	1.3	4.0	6.9
10	XP 0104	1.0	1.5	1.5	4.0	6.4
11	SHAKTI-1	2.5	2.5	1.8	4.0	6.3
12	DECCAN-107	2.5	3.5	1.5	3.5	6.7

Table 43 Evaluation of maize genotypes QPM-3 against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DEL	TLB (1-5) ALM	NAG	BLSB (1-5) DEL	SDM % MAND	PFSR (1-9) HYD
1	SHAKTIMAN-1	1.8	4.0	1.0	2.5	4.5	100	5.8
2	GANGA-11	1.5	3.5	1.3	4.0	3.5	93.5	7.2
3	SHAKTI-1	1.5	4.0	2.0	4.5	4.0	100	4.8
4	CML-142 x CML-150	1.3	2.5	1.0	3.0	4.0	100	6.4
5	CML-175 x CML-176	1.0	1.5	1.5	2.5	4.0	100	5.4
	CM-500	-	-	-	-	-	100	-
	MAI-120	-	-	-	5.0	-	-	-

Table 44 Evaluation of maize genotypes QPM-4 against major diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) ALM	DEL	TLB (1-5) ALM	NAG	BLSB (1-5) DEL	SDM (%) MAND	PFSR (1-9) HYD
1	(SO/SN BULK 2 BULK SN5 CC-BULK 16-4-B-7-B-B-#-XO) x (SHAKTI SO/SN HE 25-#-CC BULK 50%-f-xO-3-B-2-B-#-xO)	2.5	4.0	1.0	3.0	4.5	100.0	5.4
2	(SO/SN BULK 2 BULK SN5 CC-BULK 2-xO-16-4) x (SHAKTI SO/SN HE 25 # CC BULK 50%-f-xO-3-B-1-B-#-Xo)	1.8	4.0	1.0	2.0	4.0	100.0	5.3
3	Shakti-1	1.5	4.0	1.5	2.5	4.5	100.0	6.1
4	NAVJOT	1.3	3.5	1.3	4.5	4.0	100.0	6.0
5	DECCAN-107	1.8	4.0	1.3	2.0	4.0	100.0	5.0
	CM-500	-	-	-	-	-	100.0	-
	MAI-120	-	-	-	5.0	-	-	-

Table 45 Evaluation of maize genotypes SCT against maize diseases during 2002 K

SL. NO	Pedigree	MLB (1-5) DEL	BLSB (1-5) DEL	PFSR (1-9) HYD
1	JH wx - 21	3.0	4.0	6.0
2	JH wx - 22	2.0	3.0	5.1
3	JH wx - 23	2.0	3.5	6.4
4	JH ae - 4	2.0	4.0	6.6
5	JH ae - 5	3.5	3.5	3.7
6	JH ae - 6	2.5	4.0	5.4
7	JH ae - 7	2.5	3.5	5.7
8	B-HOMH-11	1.5	4.0	3.5
9	B-HOMH-12	2.5	3.5	5.6
10	GLUTENIOUS WAXY VCM-Xo-Xo-#	2.5	5.0	6.9
11	KISAN WAXY-2-6-xOb	3.0	4.5	6.2
12	TEMP. x TROP. HIGH OIL QPMC-1	2.0	4.0	5.7
13	SHAKTIMAN-1	3.0	4.0	5.8
14	NAVJOT	2.5	4.0	6.0
15	GANGA-11	2.0	4.0	5.5

Table 46 Screening of maize inbred lines against different diseases at Delhi and Pantnagar Centre during 2002 K

S.No.	Pedigree	BLSB (1-5) DEL	MLB (1-5) DEL	BSDM (1-5) PANT
1	Comp.8527x8551 x 8-2-1-4-1-1-2-3-2-1	4.0	-	1.5
2	Comp.8527x8551 x 8-2-1-4-1-1-2-3-2-2	4.0	-	1.8
3	Comp.8527x8551 x 8-2-1-4-1-1-2-3-2-3	3.5	-	2.5
4	Comp.8527x DRC 8601 x 2-2-9-6-1-3-2-1	4.0	4.0	2.5
5	Comp.8527x DRC 8601 x 2-2-9-6-1-3-2-2	4.0	-	-
6	Comp.8527x DRC 8601 x 2-2-9-6-1-3-2-3	5.0	-	1.3
7	Comp.8527x A 68 x 2-5-10-2-2-1-3-1	4.0	2.5	1.5
8	Comp.8527x A 68 x 2-5-10-2-2-1-3-2	4.0	4.0	1.0
9	Comp.8527x A 68 x 2-5-10-2-2-1-3-3	4.0	-	1.3
10	Comp.8527x 85164 x 1-2-7-5-1-1-5-2-1	4.0	2.5	1.8
11	Comp.8527x 85164 x 1-2-7-5-1-1-5-2-2	3.0	-	1.0
12	Comp.8527x 85164 x 1-2-8-4-2-1-3	3.0	3.5	-
13	Comp.8527x A 68 x 2-5-8-2-1-2-1-4	3.5	2.0	2.3
14	Comp.8527x A 68 x 2-5-8-2-1-3-2-3-3-1	3.5	-	1.5
15	Comp.8527x A 68 x 2-5-8-2-1-3-2-3-3-2	4.0	-	1.5
16	Comp.8527x A 68 x 2-5-1-4-1-3-2	4.0	3.5	1.8
17	Comp.85134x 85164 x 1-1-6-3-2-2-4	-	3.5	1.8
18	Comp.8527x 8551 x 8-2-1-7-13-2-2-1	3.5	2.0	1.0
19	Comp.8527x 8551 x 8-2-1-7-13-2-2-2	3.5	-	1.0
20	Comp.8527x 8551 x 8-2-1-4-1-1-2-2-7	-	3.5	-
21	Comp.8527x 85164 x 1-2-8-1-1-1-3	3.5	3.0	1.0
22	Comp.8527x 8551 x 2-2-8-6-1-2-2	3.5	-	1.0
23	Comp.8527x DRC 8601x 2-2-9-6-1-3-6	4.0	2.5	1.3
24	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-1	4.0	4.0	2.0
25	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-2	4.5	2.0	1.8
26	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-3	4.0	2.5	2.0
27	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-4	4.0	3.0	1.3
28	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-5	4.0	-	1.0
29	Comp. DRC 8601 x A 68 x 1-4-3-3-1-1-5-6	3.5	-	1.5
30	IPA 34-62-f-#-#-1-4-1	3.5	2.0	1.5
31	IPA 34-62-f-#-#-1-4-2	4.0	2.0	2.5
32	IPA-3-6-10-3-#-1-1-2-1-5	3.5	0.0	2.0
33	Comp. 8527 x 85164 x 1-2-7-5-1-1-5-2 (3)	-	1.5	1.0
34	Comp. 8527 x 85164 x 1-2-7-5-1-1-5-2 (4)	-	2.0	1.0
35	Comp. 8527 x A 68 x 2-5-1-4-1-3-2-(2)	-	3.0	1.3
36	Comp. 8527 x A 68 x 2-5-1-4-1-3-2-(3)	-	2.5	1.8
37	Comp. 85134 x 85164 x 1-1-6-3-2-2-4-(2)	-	2.5	3.5
38	Comp. 85134 x 85164 x 1-1-6-3-2-2-4-(3)	-	2.5	2.5
39	Comp. 85134 x 85164 x 1-2-8-1-1-1-3-(2)	-	3.0	1.5
40	Comp. 8527 x A 68 x 2-5-8-2-1-3-(1)	-	3.0	1.3
41	Comp. 8527 x A 68 x 2-5-8-2-1-3-(2)	-	3.5	2.0
42	Comp. 8527 x DRC 8601 x 2-2-9-6-1-3-6 (2)	-	2.5	1.0
43	CM-136	-	2.5	1.5
44	IPA 34-62-f-#-#-1-4-(3)	-	2.0	3.3
45	IPA 2-2-f-1-#-1-1-1-(1)	-	2.5	2.8
46	IPA 2-2-f-1-#-1-1-1-(2)	-	3.0	1.8
47	IPA 2-2-f-1-#-1-1-1-(3)	-	5.0	4.0

Table 47 Evaluation of AMBIONET materials at Udaipur and Pantnagar against BLSB during 2002 K

S.No.	Pedigre	BLSB (1-(1-5)	
		UDP	PANT
1	*CA00106*	2.3	2.8
2	CAO49Y04	1.5	3.5
3	CA03147	2.5	3.8
4	CA14509	1.8	3.5
5	CA14518	1.5	4.3
6	*CA03106*	1.8	4.5
7	CA003134	3.0	3.8
8	CA00370	2.0	2.8
9	CA34507	-	2.0
10	CA00102	3.0	3.5
11	*CA00396*	2.5	3.0
12	CA00310	3.0	2.5
13	CA34506	2.0	3.0
14	CA03131	2.8	3.5
15	CA00334	3.3	3.8
16	CA34516	3.8	3.0
17	CA03149	1.3	3.5
18	CA14510	1.8	2.8
19	CA00332	2.8	3.8
20	CA00344	2.3	3.3
21	CML 425	2.3	3.0
22	CML 430	2.5	3.3
23	CM 105	-	-
24	CM 116	2.5	-
25	CM 117	3.0	-
26	CM 121	3.0	4.0
27	CM 123	2.5	3.0
28	CM 124	3.3	-
29	*CM 131*	3.0	3.5
30	CM 132	3.5	-
31	CM 133	2.5	2.0
32	CM 207	2.5	-
33	CM 209	2.5	3.5
34	*CM 210*	-	-
35	CM 300	2.8	2.5
36	LM5	2.3	3.3
37	LM6	-	-
38	CM 139	-	-
39	*CM 140*	2.8	3.3
40	CM 122	2.5	3.8
41	NAI 144	1.5	3.5
42	NAI 147	-	-

Table 48: Screening of CIMMYT Maize lines against BLSB at Delhi and Pantnagar during 2002 K

S.No	Pedigree	BLSB 1-5	
		DEL	PANT
1	CML 429	4.5	3.5
2	P49(Y)S5B-124-#-6-B-BBB-B	4.5	5.0
3	AMATLC0HS44-1-1-2E-2-2-1-B-B	4.5	5.0
4	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	5.0
5	P42c9MH1-23-1-B-2-1	4.5	5.0
6	P42c9MH1-23-1-B-3-1	-	5.0
7	P42c9MH1-23-1-B-3-2	4.5	5.0
8	P42c9MH1-23-3-B-1-1	-	5.0
9	P42c9MH1-23-3-B-1-2	4.0	5.0
10	P42c9MH1-23-3-B-2-1	4.5	5.0
11	P42c9MH1-23-3-B-2-2	-	5.0
12	P42c9MH1-23-3-B-2-3	-	5.0
13	P42c9MH1-23-3-B-2-4	4.0	5.0
14	P42c9MH4-12-2-B-1-1	4.5	4.5
15	P42c9MH4-12-2-B-1-2	4.5	4.5
16	P42c9MH4-21-2-B-1-1	-	4.5
17	P42c9MH4-26-2-B-3-2	3.5	5.0
18	P42c9MH4-32-1-B-1-1	5.0	5.0
19	P42c9MH4-32-1-B-1-2	5.0	5.0
20	P42c9MH4-32-1-B-1-3	5.0	5.0
21	P42c9MH4-32-1-B-2-1	5.0	5.0
22	P42c9MH4-32-1-B-2-2	4.0	5.0
23	P42c9MH4-32-1-B-2-3	5.0	5.0
24	P42c9MH5-6-1-B-1-1	5.0	5.0
25	P42c9MH5-6-4-B-1-1	-	5.0
26	P42c9MH5-6-4-B-1-2	5.0	5.0
27	P42c9MH5-6-4-B-2-1	-	5.0
28	P42c9MH5-15-4-B-2-1	4.5	5.0
29	P42c9MH8-2-3-5-1	-	5.0
30	P42c9MH8-6-2-B-2-1	-	5.0
31	P42c9MH8-6-3-B-1-1	-	4.0
32	P42c9MH8-16-2-B-1-1	-	-
33	P42c9MH8-16-2-B-1-2	-	5.0
34	P42c9MH8-16-2-B-2-1	-	-
35	P42c9MH8-19-1-B-1-1	-	5.0
36	P42c9MH8-19-1-B-1-2	-	5.0
37	P42c9MH8-19-1-B-2-1	4.0	5.0
38	P42c9MH8-19-3-B-1-1	4.5	5.0
39	P42c9MH8-19-3-B-1-2	5.0	5.0
40	P42c9MH8-24-3-B-2-1	4.5	5.0
41	P42c9MH8-25-2-B-2-3	-	5.0
42	P42c9MH8-25-2-B-3-1	4.5	5.0
43	P42c9MH8-25-3-B-1-1	5.0	5.0
44	P42c9MH8-25-3-B-1-2	-	4.0
45	P42c9MH8-25-3-B-1-3	3.5	5.0
46	P42c9MH8-25-3-B-2-1	4.5	5.0
47	P42c9MH8-25-3-B-2-2	-	5.0

		DEL	PANT
48	P42c9MH8-30-1-B-2-3	4.5	5.0
49	P42c9MH8-30-1-B-5-1	-	5.0
50	P42c9MH9-11-3-B-1-1	4.0	3.0
51	P42c9MH9-11-3-B-1-2	5.0	4.0
52	P42c9MH9-11-3-B-2-1	4.0	4.0
53	P42c9MH9-11-3-B-2-2	4.0	3.5
54	P42c9MH9-11-3-B-2-3	5.0	3.5
55	P42c9MH9-13-3-B-1-2	-	4.0
56	P42c9MH9-13-3-B-1-3	-	5.0
57	P42c9MH9-13-3-B-1-4	-	5.0
58	P42c9MH9-13-3-B-2-2	-	5.0
59	P42c9MH9-13-3-B-3-1	-	5.0
60	P42c9MH11-3-3-B-1-1	4.5	5.0
61	P42c9MH11-3-3-B-1-2	4.5	5.0
62	P42c9MH11-3-3-B-1-3	4.5	4.0
63	P42c9MH11-3-3-B-1-4	4.5	5.0
64	P42c9MH11-3-3-B-1-5	4.0	5.0
65	P42c9MH11-3-3-B-3-1	4.5	5.0
66	P42c9MH11-3-3-B-3-2	5.0	5.0
67	P42c9MH11-3-3-B-3-3	-	5.0
68	P42c9MH11-3-3-B-4-1	-	5.0
69	P42c9MH11-3-3-B-4-2	5.0	5.0
70	P42c9MH11-3-3-B-4-3	5.0	5.0
71	P42c9MH11-11-2-B-1-1	-	5.0
72	P42c9MH11-11-2-B-1-2	5.0	5.0
73	P42c9MH11-26-2-B-3-1	-	5.0
74	P42c9MH11-26-2-B-3-2	-	5.0
75	P42c9MH11-26-2-B-4-1	4.5	4.00
76	P42c9MH11-26-2-B-4-2	-	4.0
77	P42c9MH11-32-2-B-1-1	-	5.0
78	P42c9MH11-32-2-B-1-2	-	5.0
79	P42c9MH11-32-2-B-3-1	-	3.0
80	P42c9MH11-32-2-B-3-2	5.0	5.0
81	P42c9MH11-32-2-B-3-3	4.0	5.0
82	P42c9MH16-28-1-B-1-1	3.0	4.0
83	P42c9MH16-28-1-B-3-1	-	3.5
84	P42c9MH16-28-1-B-3-2	-	3.5
85	P42c9MH17-9-1-B-1-1	3.5	4.5
86	P42c9MH17-26-1-B-1-1	4.0	4.0
87	P42c9MH17-26-1-B-1-2	3.0	3.5
88	P42c9MH17-26-1-B-1-3	4.0	4.0
89	P42c9MH17-26-1-B-1-4	4.5	5.0
90	P42c9MH18-34-3-B-1-2	-	5.0
91	P44c10MH1-2-2-B-4-3	4.0	3.5
92	P44c10MH1-9-1-B-3-1	-	5.0
93	P44c10MH1-9-1-B-3-2	-	5.0
94	P44c10MH1-9-1-B-3-3	-	5.0
95	P44c10MH1-9-1-B-4-1	4.0	5.0
96	P44c10MH1-9-1-B-4-2	-	5.0
97	P44c10MH2-21-4-B-4-1	-	5.0
98	P44c10MH2-21-4-B-4-2	-	5.0
99	P44c10MH4-1-1-B-1-1	5.0	5.0
100	P44c10MH4-1-1-B-1-2	4.5	5.0
101	P44c10MH4-1-1-B-1-3	-	4.0
102	P44c10MH4-1-1-B-1-4	-	4.0
103	P44c10MH6-1-2-B-2-1	5.0	5.0

		DEL	PANT
104	P44c10MH6-1-2-B-2-2	5.0	5.0
105	P44c10MH6-1-2-B-2-3	5.0	5.0
106	P44c10MH6-26-1-B-1-1	3.5	4.0
107	P44c10MH6-26-1-B-1-5	4.0	4.5
108	P44c10MH7-29-2-3-1	5.0	5.0
109	P44c10MH7-29-2-3-2	-	5.0
110	P44c10MH7-29-2-3-3	5.0	5.0
111	P44c10MH7-32-1-B-2-1	4.5	5.0
112	P44c10MH7-32-1-B-2-2	4.5	5.0
113	P44c10MH7-32-1-B-3-1	4.0	5.0
114	P44c10MH8-7-1-B-2-1	4.0	4.0
115	P44c10MH8-7-1-B-3-1	4.5	4.0
116	P44c10MH8-19-1-B-1-1	5.0	5.0
117	P44c10MH8-19-1-B-1-2	5.0	5.0
118	P44c10MH8-19-1-B-1-4	5.0	5.0
119	P44c10MH8-19-1-B-1-5	5.0	5.0
120	P44c10MH8-30-3-B-1-1	4.0	4.0
121	P44c10MH8-30-3-B-1-4	5.0	5.0
122	P44c10MH8-30-3-B-3-4	4.0	5.0
123	P44c10MH8-30-3-B-4-1	4.0	5.0
124	P44c10MH8-30-4-B-2-1	4.5	4.5
125	P44c10MH8-30-4-B-2-2	4.0	4.0
126	P44c10MH8-30-4-B-2-3	4.0	4.5
127	P44c10MH8-30-4-B-2-4	4.5	4.0
128	P44c10MH8-30-4-B-2-5	4.5	3.5
129	P44c10MH8-30-4-B-2-6	4.5	3.5
130	P44c10MH8-30-4-B-4-1	4.5	3.0
131	P44c10MH8-30-4-B-4-5	4.0	4.0
132	P44c10MH8-30-4-B-4-6	4.5	4.5
133	P44c10MH8-30-4-B-4-7	4.5	-
134	P44c10MH9-2-3-B-2-1	4.5	4.5
135	P44c10MH9-2-3-B-2-3	5.0	4.5
136	P44c10MH11-3-1-B-3-2	5.0	4.0
137	P44c10MH12-15-4-B-1-3	4.5	-
138	P44c10MH12-15-4-B-1-4	-	4.5
139	P44c10MH13-18-3-B-1-1	4.0	4.0
140	P44c10MH13-18-3-B-3-3	4.0	4.5
141	P44c10MH13-18-5-B-1-1	4.0	4.0
142	P44c10MH13-22-1-B-1-1	4.5	3.5
143	P44c10MH13-22-1-B-1-2	4.5	4.0
144	P44c10MH13-22-1-B-3-1	4.0	4.0
145	P44c10MH13-22-1-B-3-2	4.0	3.0
146	P44c10MH13-22-1-B-3-3	5.0	3.0
147	P44c10MH13-22-2-B-1-1	4.0	3.5
148	P44c10MH13-22-2-B-1-2	4.0	3.0
149	P44c10MH13-22-2-B-2-1	4.0	4.0
150	P44c10MH16-7-1-B-2-1	3.5	5.0
151	P44c10MH16-7-1-B-2-2	-	-
152	P44c10MH16-7-1-B-2-3	5.0	4.0
153	P44c10MH16-7-2-B-2-1	4.5	2.5
154	P44c10MH16-7-2-B-2-2	-	3.0
155	P44c10MH16-7-2-B-2-5	-	-
156	P44c10MH16-7-3-B-1-1	4.0	4.0
157	P44c10MH16-7-3-B-1-2	-	3.5
158	P44c10MH16-7-3-B-1-3	4.0	4.0
159	P44c10MH16-24-1-B-1-1	5.0	5.0

		DEL	PANT
160	P44e10MH16-24-1-B-2-1	5.0	5.0
161	P44e10MH16-24-1-B-2-2	4.0	-
162	P44e10MH16-24-1-B-2-3	4.0	5.0
163	P44e10MH16-24-1-B-2-4	5.0	5.0
164	P44e10MH17-7-1-B-1-1	5.0	5.0
165	P44e10MH17-14-3-B-1-1	5.0	5.0
166	P44e10MH17-14-3-B-1-2	5.0	5.0
167	P44e10MH17-14-3-B-1-3	4.5	5.0
168	P44e10MH17-14-3-B-1-4	5.0	5.0
169	P44e10MH17-14-3-B-1-6	4.0	5.0
170	P44e10MH17-14-3-B-1-7	-	5.0
171	P44e10MH17-14-3-B-3-1	4.5	5.0
172	P44e10MH17-14-3-B-3-2	-	4.5
173	P44e10MH17-14-3-B-3-3	-	4.5
174	P44e10MH17-14-3-B-3-4	-	-
175	P44e10MH17-14-3-B-3-5	-	5.0
176	P44e10MH17-14-3-B-3-6	-	5.0
177	P44e10MH17-26-1-B-1-2	5.0	5.0
178	P44e10MH17-26-1-B-1-5	5.0	5.0
179	P44e10MH17-26-1-B-1-6	5.0	5.0
180	P44e10MH17-26-1-B-1-7	5.0	5.0
181	P44e10MH17-32-2-B-2-1	-	4.5
182	P44e10MH17-32-2-B-2-4	5.0	5.0
183	P44e10MH17-32-2-B-2-6	-	5.0
184	P44e10MH17-32-2-B-3-1	5.0	5.0
185	P44e10MH17-32-2-B-3-2	-	4.0
186	P44e10MH17-32-2-B-3-6	-	-
187	P44e10MH17-32-2-B-5-1	-	5.0
188	P44e10MH17-32-2-B-5-2	5.0	4.0
189	P44e10MH17-32-2-B-5-4	5.0	4.0
190	P44e10MH17-37-2-B-1-1	-	4.0
191	P44e10MH17-37-2-B-1-3	4.0	4.5
192	P44e10MH17-37-2-B-1-4	-	4.0
193	P44e10MH17-37-2-B-1-5	-	5.0
194	P44e10MH17-37-2-B-4-1	-	-
195	P44e10MH17-37-2-B-4-2	-	4.0
196	P44e10MH17-37-2-B-4-3	-	4.5
197	P44e10MH17-37-3-B-1-1	-	4.5
198	P44e10MH17-40-1-B-3-1	-	4.5
199	P44e10MH17-40-1-B-3-2	-	5.0
200	P44e10MH19-8-1-B-3-1	5.0	5.0
201	P44e10MH19-8-1-B-3-2	-	5.0
202	P44e10MH19-17-2-B-2-1	-	-
203	P44e10MH19-17-2-B-2-2	5.0	5.0
204	P44e10MH19-43-1-B-1-1	5.0	4.5
205	CML 429	5.0	5.0
206	P49(Y)S5B-124-#-6-B-BBB-B	4.5	-
207	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
208	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.5	5.0
209	P44e10MH13-18-3-B-2	4.5	5.0
210	SEY90c1#-106-4-2-1-B-B-B-B-B-B	5.0	5.0
211	G30e21#-48-1-7-1-B-B-B-B-B-B	4.0	5.0
212	89[G33/TEYFTSRPOOL]#-36-1-7-1-3-B-B-B-B-B-B	-	5.0
213	89[G33/TEYFTSRPOOL]#-36-1-7-4-1-B-B-B-B-B-B	-	5.0
214	89[G33/TEYFTSRPOOL]#-36-1-7-4-3-B-B-B-B-B-B	-	5.0
215	89[G33/TEYFTSRPOOL]#-36-1-7-6-1-B-B-B-B-B-B	-	5.0

		DEL	PANT
216	89[G33/TEYFTSRPOOL]#-91-1-8-B-9-B-B-B-B-B-B-B	5.0	5.0
217	89[SEYF DMRSTEYF]#-119-1-1-3-3-B-B-B-B-B-B-B	5.0	5.0
218	89[SEYF/DMRSTEYF]#-119-1-1-3-8-B-B-B-B-B-B-B	5.0	5.0
219	89[SEYF DMRSTEYF]#-119-1-1-3-9-B-B-B-B-B-B-B	5.0	5.0
220	89[SPMAT/EV89MDREY]#-51-2-B-1-6-2-B-B-B-B-B-B-B	-	4.0
221	89[SPMAT/EV89MDREY]#-51-2-B-1-6-4-B-B-B-B-B-B-B	5.0	4.5
222	89[SPMAT/EV89MDREY]#-51-2-B-1-6-6-B-B-B-B-B-B-B	4.0	-
223	[SEYF/DMRSTEYF]#-138-2-2-2-4-B-B-B-B-B-B	5.0	5.0
224	[SEYF/DMRSTEYF]#-138-2-2-2-5-B-B-B-B-B-B	5.0	5.0
225	[SEYF/DMRSTEYF]#-138-2-2-2-6-B-B-B-B-B-B	5.0	5.0
226	[SEYF/DMRSTEYF]#-138-2-2-2-8-B-B-B-B-B-B	5.0	-
227	[SEYF/DMRSTEYF]#-138-2-2-2-9-B-B-B-B-B-B	5.0	5.0
228	[SEYF/DMRSTEYF]#-138-2-2-2-10-B-B-B-B-B-B	-	5.0
229	[SPMAT/EV89MDREY]-51-2-B-1-6-B-3-B-B-B-B-B-B	-	4.0
230	[SPMAT/EV89MDREY]-51-2-B-1-6-B-9-B-B-B-B-B-B	-	-
231	[SPMAT/EV89MDREY]-51-2-B-1-6-B-10-B-B-B-B-B-B	4.0	-
232	G29MDRS-B-5-B-2-2-B-B-B-B-B	5.0	-
233	G29MDRS-B-5-B-3-1-B-B-B-B-B	5.0	5.0
234	G29MDRS-B-5-B-4-2-B-B-B-B-B	5.0	5.0
235	G29MDRS-B-5-B-4-4-B-B-B-B-B	5.0	5.0
236	G29MDRS-B-5-B-5-2-B-B-B-B-B	-	5.0
237	G29MDRS-B-5-B-5-4-B-B-B-B-B	5.0	5.0
238	89[SPMAT/EV89MDREY]#-51-2-B-1-6-7-B-B-B-B-B-B	4.0	5.0
239	89[SPMAT/EV89MDREY]#-51-2-B-1-6-8-B-B-B-B-B-B-1	3.5	5.0
240	89[G34/AC8536]#-88-1-2-B-1-1-1-B-B-B-B-B-B	4.5	5.0
241	89[G34/AC8536]#-88-1-2-B-1-1-2-B-B-B-B-B-B	4.5	5.0
242	89[G34/AC8536]#-88-1-2-B-1-2-2-B-B-B-B-B-B	4.0	5.0
243	P45c7FS19-1-1-1-3-B-1-B-B-B-B-B-B	4.5	5.0
244	MDR-STPYC MH31-3-B-2-2-1-3-B-B-B-B	5.0	5.0
245	P45c7FS72-1-1-2-2-B-3-B-B-B-B-B-B	5.0	5.0
246	[POOL-29 MDRS]-B-7-B-1-B-B-B-B-B	4.5	5.0
247	[POOL-29 MDRS]-B-7-B-2-B-B-B-B-B	-	4.5
248	[POOL-29 MDRS]-B-22-B-6-B-B-B-B-B	4.5	5.0
249	89[G33/TEYFTSRPOOL]#-211-1-2-B-B-B-B-B-B-B	5.0	5.0
250	G30c21-92-1-#-#-B-1-4-B-B-B-B	4.5	5.0
251	[G30 MDRS]-B-22-#-#-B-2-3-B-B-B-B	4.5	-
252	[SPMAT/EV89MDREY]-51-2-B-1-6-B-2-B-B-B-B-B-B-B	-	-
253	[SPMAT/EV89MDREY]-51-2-B-1-6-B-6-B-B-B-B-B-B-B	4.0	-
254	[SPMAT/EV89MDREY]-51-2-B-1-6-B-7-B-B-B-B-B-B-B	4.0	-
255	89[SPMAT/EV89MDREY]#-51-2-B-1-6-8-B-B-B-B-B-B-B-B	4.0	5.0
256	89[G33/TEYFTSRPOOL]#-211-1-2-B-B-B-B-B-B-B	5.0	-
257	POB.45c8-3-1-1-2-4-B-B-B-B-B	4.5	4.0
258	POB.45c8-7-2-1-1-2-B-B-B-B-B	4.5	4.5
259	POB.45c8-24-1-1-1-2-B-B-B-B-B	4.5	5.0
260	POB.45c8-30-3-1-1-3-B-B-B-B-B	4.0	5.0
261	POB.45c8-32-3-1-1-2-B-B-B-B-B	4.5	4.0
262	POB.45c8-67-1-1-2-B-B-B-B-B	4.5	5.0
263	POB.45c8-67-1-1-3-B-B-B-B-B	4.5	5.0
264	POB.45c8-69-3-1-2-3-B-B-B-B-B	5.0	5.0
265	POB.45c8-76-1-2-1-1-B-B-B-B-B	2.5	5.0
266	POB.45c8-76-1-2-1-2-B-B-B-B	4.0	5.0
267	POB.45c8-93-2-1-2-1-B-B-B-B-B	5.0	5.0
268	POB.45c8-119-3-1-1-4-B-B-B-B-B	5.0	5.0
269	POB.45c8-121-2-1-1-1-B-B-B-B-B	5.0	5.0

		DEL	PANT
270	POB.45c8-122-2-1-1-5-B-B-B-B-B	4.5	5.0
271	POB.45c8-122-3-1-1-3-B-B-B-B-B	5.0	5.0
272	POB.45c8-122-3-1-1-4-B-B-B-B-B	5.0	4.0
273	POB.45c8-126-2-1-2-7-B-B-B-B-B	4.0	4.0
274	POB.45c8-152-1-1-1-2-B-B-B-B-B	4.5	4.0
275	POB.45c8-152-3-1-1-4-B-B-B-B-B	4.0	5.0
276	POB.45c8-152-3-1-1-5-B-B-B-B-B	4.0	5.0
277	POB.45c8-191-3-2-1-B-B-B-B-B	4.5	5.0
278	POB.45c8-208-2-1-1-1-B-B-B-B-B	4.0	5.0
279	POB.45c8-208-2-1-1-6-B-B-B-B-B	4.0	4.5
280	POB.45c8-260-1-3-1-1-B-B-B-B-B	4.0	5.0
281	POB.45c8-260-1-3-1-3-B-B-B-B-B	4.5	5.0
282	POB.45c8-260-1-3-1-4-B-B-B-B-B	4.0	5.0
283	89[G34 AC8536]#-58-2-1-B-1-3-1-1-1-1-B-B-B-B-B-B	4.0	5.0
284	MBR-ET(Y)F2-10-1-1-3-B-B-1-1-4-1-1-B-B-B-B-B-B-B	5.0	5.0
285	FS8A(T)-98-B-3-1-1-2-2-1-2-B-B-B-B-B-B-B-B	4.5	5.0
286	FS8A(T)-190-B-1-1-1-4-1-1-1-2-B-B-B-B-B-B-B	5.0	5.0
287	P45c6HC40-1-1-1-B-1-1-2-2-1-1-B-B-B-B-B-B-B-B	5.0	5.0
288	P45c6HC40-1-1-1-B-1-1-3-2-1-1-2-B-B-B-B-B-B-B	4.5	4.0
289	P45c6HC82-4-1-2-B-1-1-3-1-1-1-B-B-B-B-B-B-B-B	5.0	4.0
290	P45c6HC82-4-1-2-B-1-1-3-1-1-1-2-B-B-B-B-B-B-B-B	-	4.0
291	P45c6HC82-4-1-2-B-1-1-3-2-1-2-1-B-B-B-B-B-B-B	4.5	4.0
292	P45c6HC82-4-1-2-B-1-1-3-2-1-2-4-B-B-B-B-B-B-B	4.0	5.0
293	P45c6HC82-4-1-2-B-1-1-3-2-1-3-B-B-B-B-B-B-B-B	4.5	5.0
294	P45c6HC82-4-1-2-B-1-3-2-3-1-1-B-B-B-B-B-B-B-B	4.0	4.5
295	P45c6HC82-4-1-2-B-1-3-2-3-3-1-B-B-B-B-B-B-B-B	5.0	5.0
296	P45c6HC82-4-1-2-B-1-3-5-3-1-1-B-B-B-B-B-B-B-B	4.5	5.0
297	P45c6HC82-4-1-2-B-1-6-2-2-1-1-B-B-B-B-B-B-B-B	4.5	4.5
298	P45c7FS24-1-3-1-1-B-1-1-3-B-B-B-B-B-B-B	4.5	5.0
299	89[G34 AC8536]#-58-2-4-B-4-2-1-B-B-B-B-B-B-B	3.0	4.0
300	MBR-ET(Y)F2-57-3-2-2-B-B-3-4-1-4-B-B-B-B-B-B	5.0	4.0
301	P45c6HC82-4-1-2-B-1-3-3-2-B-B-B-B-B-B	5.0	5.0
302	P45c6HC82-4-1-2-B-1-3-3-5-B-B-B-B-B-B-B	4.5	5.0
303	P45c7FS24-1-3-3-7-B-2-2-B-B-B-B-B-B	4.5	4.5
304	P45c7FS24-1-3-3-7-B-2-4-B-B-B-B-B-B	4.5	4.5
305	P45c7FS66-2-1-2-3-B-2-1-B-B-B-B-B-B	4.5	4.5
306	P45c6HC82-4-1-2-B-1-3-4-1-3-B-B-B-B-B-B	5.0	5.0
307	P45c7FS66-2-1-2-3-B-1-6-B-B-B-B-B-B	5.0	5.0
308	P31C9H-1-1-B-B-1	4.0	3.0
309	P31C9H-1-2-B-B-1	4.5	5.0
310	P31C9H-9-2-B-B-1	4.0	4.5
311	P31C9H-9-3-B-B-1	-	5.0
312	P31C9H-10-2-B-B-1	4.5	5.0
313	P31C9H-19-4-B-B-1	5.0	5.0
314	P31C9H-25-2-B-B-1	4.5	-
315	P31C9H-25-4-B-B-1	4.0	4.0
316	P31C9H-27-3-B-B-1	5.0	5.0
317	P31C9H-28-1-B-B-1	4.5	4.5
318	P31C9H-28-2-B-B-1	4.0	4.5
319	P31C9H-29-4-B-B-1	4.0	5.0
320	P31C9H-31-2-B-B-1	5.0	5.0
321	P31C9H-32-2-B-B-1	5.0	5.0
322	P31C9H-33-1-B-B-1	4.5	5.0
323	P31C9H-33-3-B-B-1	5.0	5.0
324	P31C9H-34-1-B-B-1	5.0	5.0
325	P31C9H-35-2-B-B-1	5.0	5.0

		DEL	PANT
326	P31C9H-42-3-B-B-1	-	4.0
327	P31C9H-43-2-B-B-1	4.0	4.5
328	P31C9H-44-1-B-B-1	4.5	4.0
329	P31C9H-44-2-B-B-1	5.0	5.0
330	P31C9H-45-2-B-B-1	3.5	5.0
331	P31C9H-47-3-B-B-1	5.0	5.0
332	P31C9H-47-4-B-B-1	5.0	5.0
333	P31C9H-49-1-B-B-1	4.0	5.0
334	P31C9H-49-2-B-B-1	-	5.0
335	P31C9H-49-3-B-B-1	4.0	5.0
336	P31C9H-52-1-B-B-1	4.5	5.0
337	P31C9H-52-2-B-B-1	4.5	5.0
338	P31C9H-52-3-B-B-1	-	5.0
339	P31C9H-52-4-B-B-1	4.5	5.0
340	P31C9H-54-1-B-B-1	5.0	5.0
341	P31C9H-54-2-B-B-1	4.0	5.0
342	P31C9H-54-4-B-B-1	4.0	4.0
343	P31C9H-56-1-B-B-1	4.5	4.0
344	P31C9H-60-2-B-B-1	4.5	5.0
345	P31C9H-61-1-B-B-1	4.5	-
346	P31C9H-61-2-B-B-1	-	-
347	P31C9H-61-3-B-B-1	-	5.0
348	P31C9H-64-1-B-B-1	4.0	5.0
349	P31C9H-66-1-B-B-1	4.0	4.5
350	P31C9H-67-1-B-B-1	4.0	4.5
351	P31C9H-74-1-B-B-1	4.0	4.5
352	P31C9H-77-1-B-B-1	5.0	5.0
353	P31C9H-80-3-B-B-1	5.0	5.0
354	P31C9H-83-3-B-B-1	4.5	5.0
355	P31C9H-94-2-B-B-1	4.5	5.0
356	P31C9H-94-3-B-B-1	5.0	-
357	P31C9H-94-4-B-B-1	5.0	-
358	P31C9H-94-5-B-B-1	-	-
359	P31C9H-96-2-B-B-1	5.0	-
360	P31C9H-96-3-B-B-1	4.0	5.0
361	P31C9H-96-4-B-B-1	5.0	-
362	P31C9H-97-3-B-B-1	-	-
363	P31C9H-99-2-B-B-1	4.5	5.0
364	P31C9H-116-2-B-B-1	5.0	5.0
365	P31C9H-125-2-B-B-1	-	-
366	P31C9H-131-5-B-B-1	5.0	4.0
367	P31C9H-132-1-B-B-1	5.0	5.0
368	P31C9H-132-3-B-B-1	4.0	5.0
369	P31C9H-133-1-B-B-1	4.5	5.0
370	P31C9H-133-3-B-B-1	4.5	5.0
371	P31C9H-133-4-B-B-1	4.5	5.0
372	P31C9H-70-1-B-B-1	5.0	5.0
373	(Pop.31DMR#1-55-2-3-2-1-BBB x various)-B-B-B-1	5.0	5.0
374	(Pop.31C4S5B-6-#-#-1-1-B x various)-B-B-B-1	5.0	5.0
375	(Pop.31C4S5B-45-#-#-3-B-B x various)-B-B-B-1	4.5	5.0
376	Pob.SEW-HG"A"c0F11-1-3-2-1-1-1-B-B-B-B-B	5.0	-
377	Pob.SEW-HG"A"c0F11-7-1-1-1-2-2-B-B-B-B-B	4.5	5.0
378	[G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW]#-31-1-2-B-B]-6-1-2-1-1-B-B-B-B-B	-	5.0
379	[G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW]#-31-1-2-B-B]-6-1-3-1-1-B-B-B-B-B	5.0	5.0

		DEL	PANT
380	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW]#-31-1-2-B-B}-6-2-2-1-1-B-B-B-B-B	5.0	5.0
381	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW}#-31-1-2-B-B]-6-2-2-2-1-B-B-B-B-B	5.0	5.0
382	{G15c22MH131-1-3-4-1-2-4-10 89[32/DRSTEW]#-31-1-2-B-B]-6-2-2-2-2-B-B-B-B-B	5.0	5.0
383	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW}#-31-1-2-B-B]-6-2-2-3-1-B-B-B-B-B	4.5	5.0
384	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW}#-31-1-2-B-B]-6-2-2-3-2-B-B-B-B-B	4.0	5.0
385	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW}#-31-1-2-B-B}-6-2-5-2-2-B-B-B-B-B	5.0	5.0
386	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW]#-31-1-2-B-B}-6-2-5-4-2-B-B-B-B-B	-	5.0
387	{G15c22MH131-1-3-4-1-2-4-10/89[32/DRSTEW}#-31-1-2-B-B]-6-2-5-4-3-B-B-B-B-B	4.0	5.0
388	{G15c22MH131-1-3-4-1-2-4-10 89[32/DRSTEW]#-31-1-2-B-B]-6-2-5-5-1-B-B-B-B-B	4.5	5.0
389	{G15c22MH131-1-3-4-1-2-4-10 89[32/DRSTEW]#-31-1-2-B-B]-6-2-5-5-3-B-B-B-B-B	5.0	5.0
390	{G15c22MH131-1-3-4-1-2-4-10 89[32 DRSTEW}#-31-1-2-B-B]-6-2-5-5-5-B-B-B-B-B	5.0	5.0
391	S94EW HG"A y B"-146-2-1-1-1-B-B-B-B-B	5.0	5.0
392	S94EW HG"A y B"-146-2-1-1-2-B-B-B-B-B	5.0	5.0
393	S94EW HG"A y B"-146-2-1-2-1-B-B-B-B-B	5.0	5.0
394	S94EW HG"A y B"-146-2-1-2-2-B-B-B-B-B	5.0	5.0
395	S94EW HG"A y B"-146-2-1-3-1-B-B-B-B-B	5.0	5.0
396	S94EW HG"A y B"-146-2-1-3-3-B-B-B-B-B	5.0	5.0
397	Pob.401HG"A"c2F8-2-2-2-4-1-1-B-B-B-B-B	4.5	5.0
398	Pob.401HG"A"c2F8-2-3-3-2-1-1-B-B-B-B-B	-	5.0
399	Pob.401HG"A"c2F13-1-1-1-2-1-4-B-B-B-B-B	-	5.0
400	Pob.401HG"A"c2F13-1-1-1-2-1-5-B-B-B-B-B	5.0	5.0
401	Pob.401HG"A"c2F13-1-1-3-1-1-1-B-B-B-B-B	5.0	5.0
402	Pob.401HG"A"c2F49-2-2-1-1-1-2-B-B-B-B-B	4.5	5.0
403	Pob.401HG"A"c2F49-2-2-1-1-1-3-B-B-B-B-B	4.0	5.0
404	Pob.401HG"A"c2F49-2-2-1-1-2-1-B-B-B-B-B	4.5	4.0
405	Pob.401HG"A"c2F49-2-2-1-3-1-3-B-B-B-B-B	5.0	5.0
406	Pob.401HG"A"c2F49-2-2-1-3-2-2-B-B-B-B-B	5.0	5.0
407	Pob.401HG"A"c2F49-2-2-1-3-3-2-B-B-B-B-B	4.5	4.5
408	S94SEW"A"-210-2-1-1-2-1-B-B-B-B-B	5.0	5.0
409	CML 429	4.0	4.0
410	P49(Y)S5B-124-#-6-B-BBB-B	4.0	5.0
411	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
412	(AMATLC0HS133-1-F R)-1-3-1-2-5-BBB-B	3.5	4.0
413	Pob.SEW-HG"A"c0F9-4-3-3-1-3-1-B-B-B-B-B	5.0	-
414	Pob.SEW-HG"A"c0F49-2-3-1-3-4-1-B-B-B-B-B	4.5	5.0
415	Pob.SEW-HG"A"c0F77-4-3-1-2-2-1-B-B-B-B-B	5.0	-
416	89[G32/DRSTEW]#-31-1-2-B-B-3-3-1-B-1-1-2-B-B-B-B-B	5.0	5.0
417	89[G32/DRSTEW]#-31-1-2-B-B-3-3-1-B-1-1-4-B-B-B-B-B	5.0	-
418	89[G32/DRSTEW]#-31-1-2-B-B-3-3-1-B-1-3-6-B-B-B-B-B	5.0	5.0
419	89[G32/DRSTEW]#-31-1-2-B-B-3-3-1-B-1-4-5-B-B-B-B-B	5.0	-
420	89[G32/DRSTEW]#-31-1-2-B-B-3-5-2-B-1-1-3-B-B-B-B-B	5.0	5.0
421	89[G32 DRSTEW]#-31-1-2-B-B-3-5-2-B-1-1-4-B-B-B-B-B	5.0	5.0
422	89[G32 DRSTEW]#-31-1-2-B-B-3-5-2-B-1-2-6-B-B-B-B-B	5.0	5.0

		DEL	PANT
423	89[G32 DRSTEW]#-31-1-2-B-B-3-1-6-B-1-2-5-B-B-B-B-B	5.0	-
424	89[G32/DRSTEW]#-31-1-2-B-B-3-1-6-B-1-3-2-B-B-B-B-B	5.0	-
425	89[G32/DRSTEW]#-31-1-2-B-B-3-1-7-B-1-1-4-B-B-B-B-B	5.0	5.0
426	89[G32/DRSTEW]#-31-1-2-B-B-3-1-7-B-1-2-3-B-B-B-B-B	5.0	5.0
427	89[G32/DRSTEW]#-31-1-2-B-B-3-1-7-B-1-3-4-B-B-B-B-B	5.0	5.0
428	89[G32/DRSTEW]#-31-1-2-B-B-3-1-7-B-1-4-4-B-B-B-B-B	5.0	5.0
429	89[G32/DRSTEW]#-31-1-2-B-B-3-1-7-B-1-5-4-B-B-B-B-B	5.0	5.0
430	Pob.SEW-HG"B"c0F32-10-1-2-1-6-2-B-B-B-B-B	5.0	5.0
431	Pob.SEW-HG"B"c0F40-16-2-3-3-2-1-B-B-B-B-B	5.0	5.0
432	Pob.402HG"B"c2F35-10-2-2-2-1-2-B-B-B-B-B	5.0	5.0
433	Pob.402HG"B"c2F40-7-1-1-1-2-1-B-B-B-B-B	5.0	5.0
434	Pob.402HG"B"c2F40-8-2-1-1-3-1-B-B-B-B-B	5.0	5.0
435	Pob.402HG"B"c2F40-8-2-1-2-2-1-B-B-B-B-B	5.0	5.0
436	Pob.402HG"B"c2F40-8-2-1-2-5-1-B-B-B-B-B	-	5.0
437	Pob.402HG"B"c2F40-8-2-1-2-6-1-B-B-B-B-B	5.0	5.0
438	Pob.402HG"B"c2F40-10-1-3-1-1-1-B-B-B-B-B	-	5.0
439	Pob.402HG"B"c2F40-10-1-3-1-1-2-B-B-B-B-B	-	5.0
440	Pob.402HG"B"c2F40-15-4-1-1-1-1-B-B-B-B-B	5.0	5.0
441	Pob.402HG"B"c2F40-15-4-1-1-3-2-B-B-B-B-B	5.0	5.0
442	Pob.402HG"B"c2F40-15-4-3-1-1-1-B-B-B-B-B	4.5	5.0
443	Pob.402HG"B"c2F40-15-4-3-1-3-2-B-B-B-B-B	5.0	5.0
444	Pob.402HG"B"c2F40-15-4-3-2-1-1-B-B-B-B-B	5.0	5.0
445	89[G32/DRSTEW]#-31-1-2-B-B-3-3-6-B-1-5-2-B-B-B-B-B	5.0	5.0
446	89[G32/DRSTEW]#-31-1-2-B-B-3-3-6-B-1-7-4-B-B-B-B-B	5.0	-
447	G32/DRSTEW]#-103-1-2-BB-5-2-4 x G32/DRSTEW]#-31-1-2-BB-5-2-4-3-4-B-B-B-B-B	-	5.0
448	G32/DRSTEW]#-103-1-2-BB-5-2-4 x G32/DRSTEW]#-31-1-2-BB-5-2-4-11-1-B-B-B-B-B	4.5	-
449	G32/DRSTEW]#-103-1-2-BB-5-2-4 x G32/DRSTEW]#-31-1-2-BB-5-2-4-11-3-B-B-B-B-B	5.0	5.0
450	P501c2-24-1-2-B-B-1-B-B-B	5.0	5.0
451	P501c2-24-1-2-B-B-2-B-B-B	4.5	-
452	P501c2-28-1-1-2-B-B-1-B-B-B	5.0	-
453	P501c2-28-1-1-2-B-B-2-B-B-B	5.0	5.0
454	P501c2-44-2-1-2-1-B-1-B-B-B	4.5	5.0
455	P501c2-44-2-1-2-1-B-2-B-B-B	4.5	5.0
456	P501c2-44-2-1-2-4-B-1-B-B-B	4.5	4.5
457	P501c2-44-2-1-2-4-B-2-B-B-B	4.0	4.5
458	P501c2-53-1-2-3-1-B-1-B-B-B	4.0	4.5
459	P501c2-53-1-2-3-1-B-2-B-B-B	4.5	5.0
460	P501c2-53-1-2-3-1-B-3-B-B-B	5.0	5.0
461	P501c2-53-1-2-3-3-B-2-B-B-B	5.0	5.0
462	P501c2-53-1-2-3-3-B-3-B-B-B	4.5	5.0
463	P501c2-53-1-2-3-4-B-1-B-B-B	4.0	5.0
464	P501c2-53-1-2-3-4-B-2-B-B-B	4.0	5.0
465	P501c2-53-1-2-3-4-B-3-B-B-B	4.0	5.0
466	P501c2-53-1-2-3-7-B-1-B-B-B	-	5.0
467	P501c2-53-1-2-3-7-B-2-B-B-B	4.5	5.0
468	P501c2-53-1-2-3-7-B-3-B-B-B	4.5	5.0
469	P501c2-53-1-2-4-4-B-2-B-B-B	-	5.0
470	P501c2-53-1-2-4-9-B-1-B-B-B	-	5.0
471	P501c2-53-1-2-4-9-B-2-B-B-B	-	5.0
472	P501c2-53-1-2-4-10-B-1-B-B-B	4.5	4.5
473	P501c2-53-1-2-4-10-B-2-B-B-B	-	5.0

		DEL	PANT
474	P501c2-53-1-2-4-10-B-3-B-B-B	-	5.0
475	P501c2-53-1-3-3-3-B-1-B-B-B	4.0	5.0
476	P501c2-53-1-3-3-8-B-1-B-B-B	-	5.0
477	P501c2-53-1-3-3-8-B-2-B-B-B	4.0	-
478	P501c2-78-3-1-2-7-B-1-B-B-B	4.0	5.0
479	P501c2-107-4-1-2-3-B-1-B-B-B	4.0	4.0
480	P501c2-107-4-1-2-5-B-1-B-B-B	4.5	5.0
481	P501c2-107-4-1-2-5-B-2-B-B-B	4.0	4.5
482	P501c2-452-2-1-4-B-1-B-B-B	-	4.5
483	P501c2-193-4-1-1-B-2-B-B-B	5.0	5.0
484	P501c2-197-2-1-1-3-B-1-B-B-B	5.0	5.0
485	P501c2-197-2-1-1-3-B-2-B-B-B	4.5	5.0
486	P501c2-232-5-1-1-B-1-B-B-B	4.5	5.0
487	P501c2-232-5-1-1-B-2-B-B-B	4.5	4.5
488	P501c2-232-5-1-1-B-3-B-B-B	5.0	5.0
489	P501c2-239-2-2-1-B-1-B-B-B	-	5.0
490	P501c2-239-2-2-1-B-3-B-B-B	5.0	4.5
491	P501c2-280-1-1-4-B-B-1-B-B-B	5.0	5.0
492	P501c2-280-1-1-4-B-B-2-B-B-B	5.0	4.5
493	P501c2-280-2-1-2-2-B-3-B-B-B	5.0	5.0
494	P501c2-280-2-1-2-3-B-1-B-B-B	5.0	5.0
495	P501c2-280-2-1-2-3-B-2-B-B-B	5.0	5.0
496	P501c2-280-2-1-2-3-B-3-B-B-B	5.0	5.0
497	P501c2-304-3-1-1-B-B-1-B-B-B	5.0	5.0
498	P501c1#-500-2-1-2-2-2-1-2-B-B-1-B-B-B	5.0	5.0
499	P501c1#-500-2-1-2-2-2-1-2-B-B-2-B-B-B	5.0	5.0
500	P501c1#-500-2-1-2-2-2-4-1-B-B-1-B-B-B	5.0	5.0
501	P501c1#-500-2-1-2-2-2-4-1-B-B-2-B-B-B	5.0	5.0
502	P501c1#-500-2-1-2-2-2-4-1-B-B-3-B-B-B	5.0	5.0
503	P501c1#-500-2-1-2-2-2-1-B-B-1-B-B-B	5.0	5.0
504	P501c1#-500-2-1-2-2-2-1-B-B-2-B-B-B	5.0	4.5
505	P501c1#-90-3-1-3-2-3-1-2-B-B-1-B-B-B	5.0	4.5
506	P501c1#-90-3-1-3-2-3-1-2-B-B-2-B-B-B	5.0	5.0
507	P501c1#-90-3-1-3-2-3-2-1-B-B-1-B-B-B	5.0	5.0
508	P501c1#-90-3-1-3-2-3-2-1-B-B-2-B-B-B	5.0	5.0
509	P501c1#-90-3-1-3-2-3-2-1-B-B-3-B-B-B	5.0	5.0
510	P502c2-4-1-1-1-B-B-1-B-B-B	4.0	5.0
511	P502c2-4-1-1-1-B-B-2-B-B-B	4.0	5.0
512	P502c2-4-1-1-1-B-B-4-B-B-B	4.0	5.0
513	P502c2-12-1-1-1-1-B-2-B-B-B	4.0	4.0
514	P502c2-12-3-1-1-1-B-1-B-B-B	-	4.0
515	P502c2-12-3-1-1-1-B-2-B-B-B	-	4.0
516	P502c2-14-3-1-4-B-B-1-B-B-B	4.0	-
517	P502c2-14-3-1-4-B-B-2-B-B-B	4.0	5.0
518	P502c2-14-3-1-4-B-B-3-B-B-B	4.5	4.5
519	P502c2-14-3-1-4-B-B-4-B-B-B	4.0	4.0
520	P502c2-14-3-1-4-B-B-5-B-B-B	4.0	5.0
521	P502c2-16-2-2-1-3-B-1-B-B-B	4.5	5.0
522	P502c2-16-2-2-1-3-B-2-B-B-B	-	4.5
523	P502c2-16-2-2-1-3-B-3-B-B-B	4.0	5.0
524	P502c2-16-2-2-1-3-B-4-B-B-B	4.5	5.0
525	P502c2-16-2-2-1-3-B-5-B-B-B	4.5	5.0
526	P502c2-16-2-3-1-3-B-1-B-B-B	4.0	5.0
527	P502c2-16-2-3-1-3-B-2-B-B-B	4.0	4.0
528	P502c2-16-2-3-1-3-B-3-B-B-B	4.0	4.5
529	P502c2-16-2-3-1-3-B-4-B-B-B	4.5	4.0

		DEL	PANT
530	P502c2-16-2-3-1-3-B-5-B-B-B	4.0	4.5
531	P502c2-16-2-3-1-3-B-6-B-B-B	4.0	4.0
532	P502c2-16-2-3-1-3-B-7-B-B-B	4.5	4.0
533	P502c2-16-2-3-1-4-B-1-B-B-B	4.0	4.5
534	P502c2-16-2-3-1-4-B-2-B-B-B	4.0	4.5
535	P502c2-16-2-3-1-4-B-3-B-B-B	4.0	4.5
536	P502c2-16-2-3-1-4-B-4-B-B-B	4.5	5.0
537	P502c2-16-2-3-1-4-B-5-B-B-B	5.0	5.0
538	P502c2-24-1-1-1-B-B-1-B-B-B	4.0	5.0
539	P502c2-24-1-1-1-B-B-5-B-B-B	4.5	-
540	P502c2-24-1-1-1-B-B-6-B-B-B	3.5	4.5
541	P502c2-24-1-1-3-B-B-1-B-B-B	4.0	4.5
542	P502c2-24-1-1-3-B-B-2-B-B-B	4.0	4.0
543	P502c2-24-1-1-3-B-B-3-B-B-B	4.0	4.5
544	P502c2-24-3-1-2-B-B-1-B-B-B	4.0	4.0
545	P502c2-24-3-1-2-B-B-2-B-B-B	4.0	4.0
546	P502c2-32-2-2-1-2-B-1-B-B-B	4.0	4.0
547	P502c2-39-2-1-1-3-B-1-B-B-B	4.0	4.0
548	P502c2-39-2-1-1-3-B-3-B-B-B	4.0	4.0
549	P502c2-39-2-1-1-3-B-4-B-B-B	4.0	3.5
550	P502c2-39-3-2-3-B-B-2-B-B-B	5.0	-
551	P502c2-39-3-2-3-B-B-3-B-B-B	-	3.5
552	P502c2-39-3-2-3-B-B-4-B-B-B	-	3.5
553	P502c2-44-1-3-1-1-B-1-B-B-B	4.0	-
554	P502c2-44-1-3-1-1-B-2-B-B-B	4.5	5.0
555	P502c2-44-1-3-1-1-B-3-B-B-B	4.5	5.0
556	P502c2-44-1-3-1-1-B-4-B-B-B	5.0	5.0
557	P502c2-44-1-3-1-4-B-1-B-B-B	4.0	5.0
558	P502c2-44-1-3-1-4-B-2-B-B-B	4.0	5.0
559	P502c2-44-1-3-1-4-B-3-B-B-B	5.0	5.0
560	P502c2-44-1-3-2-2-B-2-B-B-B	4.0	5.0
561	P502c2-44-1-3-2-2-B-3-B-B-B	4.0	-
562	P502c2-58-1-1-2-1-B-1-B-B-B	4.5	-
563	P502c2-58-1-1-2-1-B-2-B-B-B	-	-
564	P502c2-58-1-1-2-1-B-3-B-B-B	4.0	5.0
565	P502c2-58-1-1-2-5-B-1-B-B-B	-	-
566	P502c2-58-1-1-2-5-B-2-B-B-B	-	-
567	P502c2-58-1-1-2-5-B-3-B-B-B	5.0	-
568	P502c2-63-1-1-2-B-B-1-B-B-B	-	4.0
569	P502c2-63-1-1-2-B-B-2-B-B-B	4.5	5.0
570	P502c2-63-1-1-2-B-B-3-B-B-B	4.0	4.5
571	P502c2-71-1-1-1-2-B-1-B-B-B	-	5.0
572	P502c2-71-1-1-1-2-B-2-B-B-B	5.0	5.0
573	P502c2-71-1-1-1-2-B-3-B-B-B	5.0	5.0
574	P502c2-71-2-1-1-B-B-1-B-B-B	-	-
575	P502c2-89-1-1-1-2-B-1-B-B-B	4.0	5.0
576	P502c2-89-1-1-1-2-B-2-B-B-B	-	5.0
577	P502c2-105-3-1-1-1-B-2-B-B-B	4.5	5.0
578	P502c2-116-3-1-2-2-B-1-B-B-B	4.0	5.0
579	P502c2-116-3-1-2-2-B-2-B-B-B	4.0	5.0
580	P502c2-116-3-1-2-3-B-1-B-B-B	4.0	5.0
581	P502c2-116-3-1-2-3-B-2-B-B-B	4.0	-
582	P502c2-116-3-1-2-B-B-1-B-B-B	4.0	5.0
583	P502c2-116-3-1-2-B-B-2-B-B-B	-	5.0
584	P502c2-116-3-1-2-B-B-3-B-B-B	5.0	5.0
585	P502c2-116-3-1-3-3-B-3-B-B-B	3.0	5.0

		DEL	PANT
586	P502c2-119-2-1-1-3-B-1-B-B-B	-	5.0
587	P502c2-119-2-1-1-3-B-2-B-B-B	4.0	5.0
588	P502c2-119-2-1-1-5-B-1-B-B-B	-	5.0
589	P502c2-119-2-1-1-5-B-2-B-B-B	-	5.0
590	P502c2-119-2-1-3-1-B-1-B-B-B	4.0	5.0
591	P502c2-119-2-1-3-1-B-2-B-B-B	4.0	5.0
592	P502c2-119-2-1-3-1-B-3-B-B-B	4.0	4.5
593	P502c2-134-4-1-2-B-1-B-B-B	4.0	5.0
594	P502c2-134-4-1-2-B-2-B-B-B	4.0	5.0
595	P502c2-134-4-1-4-B-1-B-B-B	4.0	5.0
596	P502c2-134-4-1-4-B-2-B-B-B	4.0	5.0
597	P502c2-147-1-2-1-B-1-B-B-B	4.0	5.0
598	P502c2-147-1-3-4-B-2-B-B-B	4.0	5.0
599	P502c2-147-1-3-B-B-1-B-B-B	4.0	5.0
600	P502c2-147-2-1-2-2-B-1-B-B-B	5.0	5.0
601	P502c2-147-2-1-2-2-B-2-B-B-B	4.0	-
602	P502c2-147-3-4-1-1-B-1-B-B-B	4.0	5.0
603	P502c2-147-3-4-1-1-B-2-B-B-B	4.0	5.0
604	P502c2-148-4-4-1-1-B-1-B-B-B	3.5	4.5
605	P502c2-148-4-4-1-1-B-2-B-B-B	-	5.0
606	P502c2-148-4-4-1-1-B-3-B-B-B	3.5	5.0
607	P502c2-148-4-4-1-5-B-1-B-B-B	3.5	5.0
608	P502c2-160-1-3-1-B-B-2-B-B-B	4.0	5.0
609	P502c2-160-1-3-1-B-B-1-B-B-B	-	5.0
610	P502c2-185-3-4-1-3-B-1-B-B-B	4.0	5.0
611	P502c2-185-3-4-1-3-B-2-B-B-B	4.0	4.0
612	P502c2-185-3-4-2-2-B-1-B-B-B	4.5	-
613	CML 429	5.0	4.0
614	P49(Y)S5B-124-#-6-B-BBB-B	4.5	5.0
615	AMATLC0HS44-1-1-2E-2-2-1-B-B	-	5.0
616	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.5	5.0
617	P502c2-258-2-1-1-1-B-1-B-B-B	4.0	5.0
618	P502c2-258-2-1-1-1-B-2-B-B-B	-	5.0
619	P502c2-258-2-1-1-1-B-3-B-B-B	4.0	5.0
620	P502c2-258-2-1-1-1-B-4-B-B-B	4.0	-
621	P502c2-260-2-1-1-2-B-1-B-B-B	4.0	5.0
622	P502c2-260-2-1-1-3-B-1-B-B-B	4.5	5.0
623	P502c1#-32-1-1-3-6-1-1-2-B-B-1-B-B-B	-	5.0
624	P502c1#-32-1-1-3-6-1-1-2-B-B-2-B-B-B	4.5	5.0
625	P502c1#-342-3-3-3-2-5-2-B-B-1-B-B-B	4.0	5.0
626	P502c1#-1032-1-1-2-B-2-3-1-B-B-1-B-B-B	4.0	5.0
627	P502c1#-1032-1-1-2-B-2-3-1-B-B-2-B-B-B	4.0	5.0
628	P502c1#-1032-1-1-2-B-2-3-1-B-B-3-B-B-B	4.0	5.0
629	POB.501c3 F2 2-1-2-2-B-B-B	5.0	5.0
630	POB.501c3 F2 2-2-3-1-B-B-B	4.5	4.0
631	POB.501c3 F2 2-6-2-2-B-B-B	4.0	5.0
632	POB.501c3 F2 2-7-3-2-B-B-B	4.5	-
633	POB.501c3 F2 2-10-1-1-B-B-B	4.0	5.0
634	POB.501c3 F2 2-16-1-3-B	-	5.0
635	POB.501c3 F2 2-21-1-1-B-B	4.0	5.0
636	POB.501c3 F2 3-3-2-1-B-B	4.0	-
637	POB.501c3 F2 3-17-1-1-B	-	4.5
638	POB.501c3 F2 4-9-1-B	4.0	5.0
639	POB.501c3 F2 5-13-1-1-B-B	5.0	4.0
640	POB.501c3 F2 5-14-1-1-B-B	-	4.5
641	POB.501c3 F2 5-16-1-2-B-B	4.5	4.5

		DEL	PANT
642	POB.501c3 F2 6-1-2-1-B-B	4.0	4.0
643	POB.501c3 F2 6-2-1-1-B-B	4.0	4.0
644	POB.501c3 F2 6-5-2-1-B-B	4.0	4.0
645	POB.501c3 F2 6-17-2-2-B-B	4.5	4.5
646	POB.501c3 F2 8-8-1-1-B-B	4.5	4.5
647	POB.501c3 F2 8-8-2-1-B-B	3.5	5.0
648	POB.501c3 F2 8-17-2-2-B-B	5.0	-
649	POB.501c3 F2 9-12-1-2-B-B	4.0	5.0
650	POB.501c3 F2 9-15-2-1-B-B	5.0	5.0
651	POB.501c3 F2 9-18-1-3-B-B	4.5	4.5
652	POB.501c3 F2 11-3-2-2-B-B	4.5	4.0
653	POB.501c3 F2 11-13-1-2-B-B	-	4.5
654	POB.501c3 F2 11-14-1-2-B-B	4.5	5.0
655	POB.501c3 F2 11-14-2-2-B-B	5.0	5.0
656	POB.501c3 F2 12-15-1-3-B	4.5	4.5
657	POB.501c3 F2 13-2-1-2-B	4.0	4.0
658	POB.501c3 F2 13-8-2-1-B-B	4.0	5.0
659	POB.501c3 F2 13-19-1-1-B	3.5	4.5
660	POB.501c3 F2 13-19-2-2-B-B	4.0	4.5
661	POB.501c3 F2 13-23-1-2-B-B	4.5	5.0
662	POB.501c3 F2 14-17-1-1-B-B	4.5	5.0
663	POB.501c3 F2 15-1-1-2-B-B	4.0	4.5
664	POB.501c3 F2 15-7-1-1-B-B	-	4.5
665	POB.501c3 F2 15-10-1-1-B-B	5.0	4.0
666	POB.501c3 F2 15-13-1-1-B-B	4.0	5.0
667	POB.501c3 F2 16-1-1-1-B-B	4.0	4.5
668	POB.501c3 F2 16-5-1-1-B-B	-	4.5
669	POB.501c3 F2 16-13-1-3-B-B	3.5	4.0
670	POB.501c3 F2 16-15-1-3-B-B	4.0	4.5
671	POB.501c3 F2 16-17-3-3-B-B	-	5.0
672	POB.501c3 F2 16-17-4-1-B-B	-	5.0
673	POB.501c3 F2 20-3-1-2-B-B	4.0	4.5
674	POB.501c3 F2 20-5-1-1-B-B	5.0	5.0
675	POB.501c3 F2 20-14-1-2-B-B	5.0	5.0
676	POB.501c3 F2 22-8-1-1-B-B	5.0	5.0
677	POB.501c3 F2 22-8-2-2-B-B	4.5	5.0
678	POB.501c3 F2 22-12-1-2-B-B	4.0	5.0
679	POB.501c3 F2 26-2-1-B-B	5.0	5.0
680	POB.501c3 F2 26-9-2-1-B-B	4.5	4.5
681	POB.501c3 F2 26-14-2-2-B-B	5.0	5.0
682	POB.501c3 F2 26-15-1-B	5.0	4.5
683	POB.501c3 F2 27-8-1-1-B-B	-	4.5
684	POB.501c3 F2 27-12-1-2-B	5.0	5.0
685	POB.501c3 F2 28-7-1-2-B-B	4.5	5.0
686	POB.501c3 F2 28-16-1-1-B	4.5	4.0
687	POB.501c3 F2 29-18-1-2-B-B	5.0	5.0
688	95S43SR HG"A"-127-2-5-1-2-B-B-B-B	4.5	5.0
689	95S43SR HG"A"-149-2-2-1-2-B-B-B	5.0	-
690	95S43SR HG"A"-28-2-2-3-1-B	4.5	5.0
691	95S43SR HG"A"-69-2-2-2-3-B-B	5.0	5.0
692	95S43SR HG"A"-171-3-3-2-1-B-B-B	4.5	4.5
693	95S43SR HG"A"-94-1-1-1-1-B-B-B	4.5	-
694	95S43SR HG"A"-195-1-1-3-4-B-B-B-B	5.0	4.5
695	95S43SR HG"A"-24-4-3-3-1-B-B-B-B	4.5	5.0
696	95S43SR HG"A"-158-1-4-1-1-B-B-B	5.0	5.0
697	P502c2-16-2-2-1-3-B-1-B-B-B-B	4.0	4.5

		DEL	PANT
698	POB.502e3 F2 1-5-1-2-B-B	4.0	5.0
699	POB.502e2 F2 1-12-2-1-B	4.0	5.0
700	POB.502e3 F2 1-18-2-2-B-B	4.5	4.5
701	POB.502e3 F2 2-6-1-1-B-B	5.0	4.5
702	POB.502e3 F2 3-2-2-2-B-B	4.5	4.5
703	POB.502e2 F2 3-16-3-1-1-B	4.5	4.0
704	POB 502e3 F2 3-20-3-1-1-B-B	4.0	4.5
705	POB.502e3 F2 3-21-1-1-B-B	4.0	-
706	POB.502e2 F2 7-2-1-B	3.5	4.0
707	POB.502e3 F2 7-2-2-1-B-B	4.0	4.0
708	POB.502e2 F2 7-7-1-1-B	4.5	4.5
709	POB.502e3 F2 10-3-2-1-B-B	4.5	4.5
710	POB.502e3 F2 10-8-1-1-B-B	3.0	3.5
711	POB.502e3 F2 11-8-1-1-B-B	3.5	4.0
712	POB.502e3 F2 11-9-1-2-B-B	4.0	5.0
713	POB.502e3 F2 11-19-1-1-B-B	4.5	3.5
714	POB.502e2 F2 11-19-3-2-B	5.0	4.5
715	POB.502e3 F2 11-20-1-1-B-B	4.0	4.0
716	POB.502e2 F2 12-2-2-1-B	4.0	3.5
717	POB.502e3 F2 12-2-3-1-B-B	3.5	4.5
718	POB.502e3 F2 12-10-1-1-B-B	4.0	4.0
719	POB.502e3 F2 12-11-1-1-B-B	4.0	4.5
720	POB.502e3 F2 12-12-2-1-B-B	4.5	4.0
721	POB.502e3 F2 12-18-3-1-B-B	-	4.5
722	POB.502e3 F2 12-21-1-2-B-B	5.0	4.5
723	POB.502e2 F2 13-15-2-1-B	4.0	3.5
724	POB.502e3 F2 14-2-3-1-B-B	4.0	4.5
725	POB.502e3 F2 14-13-3-1-B-B	4.5	5.0
726	POB.502e3 F2 14-20-1-1-B-B	4.0	5.0
727	POB.502e3 F2 14-21-3-3-B-B	4.0	5.0
728	POB.502e3 F2 15-12-1-1-B-B	4.0	3.5
729	POB.502e3 F2 15-12-2-1-B-B	4.0	3.5
730	POB.502e2 F2 15-15-2-1-B	4.0	4.0
731	POB.502e3 F2 16-3-1-1-B-B	3.5	4.5
732	POB.502e3 F2 16-13-2-3-B-B	4.0	4.0
733	POB.502e3 F2 16-13-3-2-B-B	4.5	4.5
734	POB.502e2 F2 16-21-1-1-B	4.0	4.5
735	POB.502e3 F2 16-23-1-2-B-B	4.5	4.0
736	POB.502e3 F2 18-18-1-1-B-B	4.0	5.0
737	POB.502e3 F2 19-1-2-1-B-B	5.0	4.0
738	POB.502e3 F2 19-2-1-2-B-B	4.5	4.0
739	POB.502e3 F2 19-12-1-1-B-B	4.5	4.0
740	POB.502e3 F2 20-3-1-1-B-B	4.5	4.5
741	POB.502e3 F2 20-4-2-2-B-B	5.0	-
742	POB.502e3 F2 20-7-1-1-B-B	4.0	3.5
743	POB.502e3 F2 20-7-2-2-B-B	4.0	3.5
744	POB.502e3 F2 21-5-2-3-B-B	5.0	4.0
745	POB.502e3 F2 21-11-3-2-B-B	4.0	4.5
746	POB.502e2 F2 21-14-2-B	4.5	5.0
747	POB.502e3 F2 22-1-2-2-B-B	4.0	5.0
748	POB.502e3 F2 22-3-2-1-B-B	4.5	5.0
749	POB.502e3 F2 22-4-1-2-B-B	4.5	5.0
750	POB.502e3 F2 22-5-1-2-B-B	4.0	4.5
751	POB.502e3 F2 22-7-2-1-B-B	4.5	5.0
752	POB.502e3 F2 22-7-4-1-B-B	4.5	-
753	POB.502e3 F2 22-7-5-1-B-B	4.5	5.0

		DEL	PANT
754	POB.502c3 F2 23-4-1-1-B-B	4.5	5.0
755	POB.502c2 F2 24-5-1-1-B	5.0	5.0
756	POB.502c3 F2 25-8-3-1-B-B	4.5	5.0
757	POB.502c2 F2 25-12-2-1-B	4.5	5.0
758	POB.502c3 F2 25-12-3-1-B-B	4.0	4.5
759	POB.502c3 F2 26-12-1-2-B-B	4.0	5.0
760	POB.502c3 F2 28-1-1-1-B-B	5.0	5.0
761	POB.502c3 F2 29-8-1-1-B-B	3.5	4.5
762	POB.502c3 F2 29-8-2-1-B-B	4.5	4.5
763	[P44c8FS158-3-2-4-1-B-B x CML 321]F2-38-1-B-B-B-B	4.0	4.5
764	[89[L/LMBR]11-F2-4-3-1-3-B-B-B-B x [CML 9]-1]-14-2-2-2-B-B-B-B	5.0	5.0
765	[89[L/LMBR]11-F2-4-3-1-3-B-B-B-B x [CML 9]-1]-46-2-2-3-B-B-B	-	5.0
766	[P44c8FS158-3-2-4-1-B-B x P502c1#-771-2-2-1-3]F2-24-3-B-B-B-B	5.0	5.0
767	[P44c8FS158-3-2-4-1-B-B x P502c1#-771-2-2-1-1-1-3]-F2-6-1-B-B-B	4.5	5.0
768	[89[L/LMBR]11-F2-4-3-1-3-B-B-B-B x [CML 9]-1]-9-2-2-1-B-B-B-B	4.5	4.0
769	[P44c8FS158-3-2-4-1-B-B x P502c1#-771-2-2-1-1-1-3]-F2-42-2-B-B-B-B	5.0	5.0
770	[89[L/LMBR]11-F2-4-3-1-3-B-B-B-B x [CML 9]-1]-14-2-1-2-B-B-B	5.0	5.0
771	[P44c8FS158-3-2-4-1-B-B x P502c1#-771-2-2-1-3]F2-34-1-B-B-B-B	4.0	5.0
772	[P44c8FS158-3-2-4-1-B-B x P502c1#-771-2-2-1-1-1-3]-F2-5-1-B-B-B-B	4.0	3.5
773	POB.33c4 F2 3-4-3-1-B-B	4.5	5.0
774	POB.33c4 F2 3-9-2-1-B-B	4.5	5.0
775	POB.33c4 F2 3-10-1-1-B-B	4.0	3.5
776	POB.33c4 F2 3-13-1-2-B	4.5	4.5
777	POB.33c4 F2 3-13-2-1-B-B	-	4.5
778	POB.33c4 F2 4-5-1-3-B-B	4.5	5.0
779	POB.33c4 F2 4-5-3-1-B	4.5	4.0
780	POB.33c4 F2 4-11-1-1-B-B	5.0	4.5
781	POB.33c4 F2 4-12-1-1-B-B	4.5	4.5
782	POB.33c4 F2 5-10-2-1-B-B	4.5	5.0
783	POB.33c4 F2 5-12-2-2-B-B	4.5	5.0
784	POB.33c4 F2 5-16-1-2-B-B	5.0	5.0
785	POB.33c4 F2 6-2-1-1-B-B	4.5	5.0
786	POB.33c4 F2 8-6-3-2-B-B	5.0	5.0
787	POB.33c4 F2 8-7-2-1-B-B	-	5.0
788	POB.33c4 F2 11-6-1-1-B-B	5.0	5.0
789	POB.33c4 F2 11-8-1-1-B-B	5.0	5.0
790	POB.33c4 F2 11-8-2-1-B-B	-	5.0
791	POB.33c4 F2 13-2-1-2-B-B	5.0	5.0
792	POB.33c4 F2 13-6-1-1-B-B	5.0	5.0
793	POB.33c4 F2 14-6-2-1-B-B	4.0	5.0
794	POB.33c4 F2 14-9-2-1-B-B	5.0	5.0
795	POB.33c4 F2 14-14-1-1-B-B	5.0	5.0
796	POB.33c4 F2 15-4-2-2-B-B	5.0	5.0
797	POB.33c4 F2 16-16-2-1-B-B	4.5	5.0
798	POB.33c4 F2 16-24-1-1-B-B	5.0	4.5
799	POB.33c4 F2 17-10-2-1-B-B	4.5	4.5
800	POB.33c4 F2 18-3-1-3-B-B	4.5	4.5
801	POB.33c4 F2 18-9-1-1-B-B	5.0	5.0
802	POB.33c4 F2 18-10-1-2-B-B	-	5.0
803	POB.33c4 F2 19-1-1-1-B-B	4.5	4.5
804	POB.33c4 F2 21-9-2-2-B-B	4.5	5.0
805	POB.33c4 F2 21-22-2-1-B-B	4.5	5.0
806	POB.33c4 F2 22-8-1-1-B-B	4.5	5.0
807	POB.33c4 F2 23-19-2-1-B-B	5.0	5.0

		DEL	PANT
808	POB.33c4 F2 25-13-1-2-B-B	5.0	5.0
809	POB.33c4 F2 26-14-1-1-B-B	5.0	5.0
810	POB.33c4 F2 26-15-1-1-B-B	4.5	5.0
811	POB.33c4 F2 27-3-1-1-B-B	4.5	5.0
812	POB.33c4 F2 27-4-1-1-B-B	5.0	5.0
813	POB.33c4 F2 27-8-2-1-B-B	5.0	5.0
814	POB.33c4 F2 27-9-2-2-B-B	4.0	5.0
815	POB.33c4 F2 28-5-2-2-B-B	5.0	5.0
816	[CML 323 x D888]F2-49-2-B-B	5.0	5.0
817	CML 429	4.5	5.0
818	P49(Y)S5B-124-#-6-B-BBB-B	3.0	5.0
819	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
820	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	5.0
821	[CML 226 x [CATETO DC 1276 7619]-2-B-5-2-B]F2-19-2-B-B	4.5	5.0
822	CML440	4.5	5.0
823	CML441	4.5	5.0
824	CML442	4.0	4.5
825	CML443	-	3.5
826	CML444	5.0	4.5
827	CML445	-	4.5
828	{[TUXPSEQ]C1F2/[SW1SR COMPE1]C1F2]F2-27-3-3-3-BBBBBB	5.0	4.5
829	[[TUXPSEQ]C1F2/P49-SR]F2-45-7-3-2-BBBBBB	-	3.5
830	DRB-F2-60-1-1-1-BBBBBB	4.0	4.5
831	DTP1WC7F123-1-2-4-1-B-3-BBBB	4.5	5.0
832	DTPWC8F31-1-1-2-2-BBBBB	4.0	5.0
833	DTPWC8F31-4-2-1-BBB	4.0	5.0
834	INTA-191-2-1-2-BBBBBBB	4.5	5.0
835	(CML202/LPSC3H297-2-1-1-2-2-#)-B-3-1-1-8-BBBBB	4.5	5.0
836	([EV7992#/EVPOP43-SRBC3]#b#bsr-118/CML444)-B-1-1-3-5-BBBBB	5.0	5.0
837	(CML395/CML444)-B-4-1-3-1-BBBB	5.0	5.0
838	DTP1WC7F123-1-2-4-1-B-3-BB-B2	4.5	4.5
839	P42c9MH1-5-2 -B-1-1	4.5	5.0
840	P42c9MH1-11-2-B-2-1	5.0	5.0
841	ZM521A-97-1-2-1-BB	4.5	4.5
842	P42c9MH1-11-2-B-2-2	-	5.0
843	[EARLY ZM621A]-37-2-1-1-1-B	4.5	5.0
844	[P43CAMEROON-4-1-1-2-1-BB CML314 EARLY]-3-2-1-3-1-B	4.5	5.0
845	[CML339 CML202/EARLY]-2-2-1-1-BB	5.0	5.0
846	[CML258/CML202/EARLY]-3-2-2-1-BB	5.0	5.0
847	P42c9MH1-11-4-B-2-1	4.5	4.5
848	ZM621A-10-1-1-1-BB	5.0	5.0
849	P44c10MH19-43-1-B-1-2	4.5	5.0
850	ZM621A-10-1-1-3-1-B	4.5	5.0
851	ZM621A-10-2-1-2-2-B	5.0	5.0
852	ZM621A-10-2-2-2-1-B	4.5	5.0
853	ZM621A-10-2-3-3-BB	4.5	5.0
854	ZM621A-14-2-1-1-1-B	4.0	4.5
855	ZM621A-101-1-2-1-BB	5.0	4.5
856	ZM421B-103-1-1-1-BB	4.0	3.5
857	P44c10MH19-43-1-B-1-3	-	4.5
858	ZM421B-105-1-1-1-BB	-	4.0
859	ZM521B-6-2-3-2-1-B	4.5	4.5
860	P44c10MH19-43-1-B-3-1	-	4.5
861	P44c10MH1-21-3-B-1	-	4.5
862	ZM521B-17-2-2-2-BB	4.0	3.5

		DEL	PANT
863	S94SEW"A"-210-2-1-1-2-4-B-B-B-B-B	5.0	5.0
864	ZM521B-66-4-1-1-BB	5.0	5.0
865	ZM521B-81-1-2-1-2-B	5.0	5.0
866	Pob.SEW-HG"A"c0F8-3-1-1-2-2-5-B-B-B-B-B	5.0	5.0
867	[DTP2WC5F147-3-1-1-1/ZM421B]-1-2-3-1-1-B	5.0	5.0
868	[CML342/CML202//EARLY]-2-3-1-1-BB	4.5	5.0
869	Pob.SEW-HG"A"c0F8-3-1-1-2-3-2-B-B-B-B-B	5.0	5.0
870	[DRB-F2-60-1-1-1/SC/ZM605#b-19-2-X]-1-2-X-1-1-BB]-1-2-2-1-BB	3.5	3.5
871	ZM621B-29-1-1-1-2-B	4.5	3.5
872	ZM621B-31-1-2-1-1-B	4.5	3.5
873	ZM621B-47-2-1-1-BB	5.0	5.0
874	ZM621B-47-2-1-2-1-B	3.5	5.0
875	Pob.SEW-HG"A"c0F9-4-3-3-1-1-1-B-B-B-B-B	-	5.0
876	ZM621B-101-1-1-2-BB	4.0	5.0
877	ZM621B-101-1-4-2-1-B	4.0	3.5
878	[CML445/ZM621B]-2-1-2-2-BB	-	4.0
879	[CML445/ZM621B]-2-1-2-3-BB	-	4.0
880	[CML445/ZM621B]-2-1-3-1-BB	5.0	3.5
881	[CML445/ZM621B]-2-1-3-2-BB	5.0	5.0
882	[CML445/ZM621B]-2-1-4-1-BB	5.0	5.0
883	[DTP2WC4H255-1-2-2-BB/LATA-F2-138-1-3-1-B]-1-3-1-2-1-BB	4.0	5.0
884	[DTP2WC4H255-1-2-2-BB/LATA-F2-138-1-3-1-B]-1-3-2-2-2-BB	-	5.0
885	[IKENE8149SR-68-2-BBB-6-BBBB/TS6C2-2-1-1-1-1-BB]-3-2-1-3-BBB	5.0	5.0
886	[IKENE8149SR-68-2-BBB-6-BBBB/CML442]-3-1-1-2-1-BB	-	5.0
887	[SPLC7F182-1-2-2-BB/SNSYNF2[N3/TUX-A-90]-57-X-1-2-BB]-3-2-3-1-2-BB	-	5.0
888	[TS6C1F238-1-3-3-1-2-#-BB/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-10-7(I)-X-X-X-2-BB-1]-1-1-2-1-1-BB	-	3.5
889	[[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-10-7(I)-X-X-X-2-BB-1/LATA-26-1-1-2-1-B]-3-3-3-1-BBB	-	5.0
890	[SNSYNF2[N3/TUX-A-90]-57-X-1-2-BB/CML443]-2-2-1-1-1-BB	-	5.0
891	[CML198/LPSC3H144-1-2-2-2-2-#-BB]-1-4-1-1-BBB	-	-
892	[CML198/ZSR923S4BULK-2-2-X-X-X-X-1-BB]-3-3-1-1-BBB	3.5	5.0
893	[LPSC3H144-1-2-2-2-4-#-BB/SC/ZM605#b-19-2-X]-1-2-X-1-1-BB]-1-2-1-2-1-BB	4.5	5.0
894	[CML444/ZSR923S4BULK-2-2-X-X-X-X-1-BB]-1-1-1-1-2-BB	-	5.0
895	[SC/ZM605#b-19-2-X]-1-2-X-1-1-BB/CML202]-2-1-1-1-BBB	-	5.0
896	[SC/ZM605#b-19-2-X]-1-2-X-1-1-BB/INTB-91-1-2-2-1-B]-1-1-2-2-BBB	5.0	5.0
897	[CML202/[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-2(I)-X-1-2-BB-1]-2-3-1-1-BBB	5.0	5.0
898	[CML202/CML441]-2-1-2-1-BBB	4.5	5.0
899	[INTB-91-1-2-2-1-B/INTB-117-1-2-1-1-B]-3-2-1-4-1-BB	5.0	5.0
900	[DTP2WC4H255-1-2-2-BB/LATA-F2-138-1-3-1-B]-1-3-2-1-BB	4.5	5.0
901	[CML442/CML443]-2-4-1-1-BB	3.5	4.5
902	[CML202/[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-2(I)-X-1-2-BB-1]-2-2-1-2-BB	4.5	4.5
903	P502c2-185-3-4-2-2-B-2-B-B-B	-	5.0
904	98SADVEA-34-2-1-1	4.5	4.0
905	98SADVEA-44-1-1-1	5.0	5.0
906	98SADVEA-44-1-2-1	4.0	5.0
907	98SADVEA-44-1-3-1	5.0	5.0
908	98SADVEB-21-1-1-B	-	4.5
909	98SADVEB-21-1-3-1	4.0	5.0
910	98SADVEB-29-3-1-1	4.5	5.0

		DEL	PANT
911	98SADVEB-29-3-2-B	-	5.0
912	98SADVEB-40-1-2-B	4.0	5.0
913	98SADVIA-17-3-1-B	4.0	5.0
914	P502c2-185-3-4-2-3-B-2-B-B-B	4.5	5.0
915	98SADVIA-35-1-1-B	4.5	4.0
916	98SADVIA-35-1-2-B	4.0	-
917	98SADVIA-35-1-3-B	4.5	4.0
918	98SADVIA-36-3-1-B	4.5	4.5
919	98SADVIB-1-2-1-B	4.0	4.0
920	98SADVIB-1-2-2-2	4.0	4.0
921	98SADVIB-5-1-1-B	4.0	4.0
922	98SADVIB-10-1-2-1	-	4.0
923	98SADVIB-10-1-3-1	4.5	5.0
924	98SADVIB-19-1-1-1	4.5	4.5
925	98SADVIB-19-1-2-B	4.0	5.0
926	98SADVIB-26-1-1-B	4.0	5.0
927	98SADVIB-26-1-2-B	4.5	5.0
928	98SADVIB-32-1-1-B	4.5	5.0
929	98SADVIB-37-2-1-1	4.5	5.0
930	98SADVIB-37-2-2-B	4.0	5.0
931	98SADVIB-37-2-3-B	4.0	5.0
932	[FR810/TZMSRW-5-2-1-3-X-1/CML202]-B-7-1-B	4.0	5.0
933	Z97SYNGLS(A)-F2-62-2-B	4.0	5.0
934	Z97SYNGLS(B)-F2-8-1-B	3.5	5.0
935	Z97SYNGLS(B)-F2-138-4-B	-	5.0
936	Z97SYNGLS(B)-F2-189-6-B	3.5	5.0
937	Z97SYNGLS(B)-F2-199-1-B	3.5	4.0
938	Z97SYNGLS(B)-F2-202-5-B	4.0	5.0
939	[N3/CML205/ FR808]-X-2-1-1-B-B	4.5	5.0
940	[CML197/N3/FR808]-X-6-3-1-4-B	5.0	5.0
941	[CML197/N3/CML206]-X-32-1-2-B	5.0	5.0
942	[P501c2/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-1-X-X-B-B]-4-1-1-4-1-3-B	3.0	5.0
943	{[P502c2 INTB-F2-111-1-1-B]FS1 P502c2]-4-2-3-1-3-B	-	-
944	[[P502c2 INTB-F2-111-1-1-B]FS8/ P502c2]-3-4-1-2-1-B	4.0	4.0
945	[P502c2 P502c2 INTB-91-1-2-2-B]-3-3-1-1-1-B	-	5.0
946	[P502c2 INTB-F2-111-1-1-B]-1-2-1-1-1-1-B	5.0	5.0
947	[[P502c2 INTB-F2-111-1-1-B]FS1 P502c2]-4-2-1-1-2-B	4.0	5.0
948	Z97SYNGLS(B)-F2-1-2-4-B	4.0	4.0
949	Z97SYNGLS(B)-F2-101-3-3-B	4.0	4.5
950	Z97SYNGLS(B)-F2-127-4-2-B	-	4.5
951	Z97SYNGLS(B)-F2-128-1-1-B	4.0	-
952	Z97SYNGLS(B)-F2-188-2-2-B	5.0	4.5
953	Z97SYNGLS(B)-F2-188-7-1-B	-	4.0
954	Z97SYNGLS(B)-F2-197-2-3-B	5.0	4.0
955	Z97SYNGLS(B)-F2-23-2-1-B	4.5	-
956	Z97SYNGLS(B)-F2-1-1-5-B	4.0	4.0
957	Z97SYNGLS(B)-F2-53-2-1-B	5.0	3.0
958	S2SYNF1[89FLINT]-##-2-1-1-B	5.0	4.0
959	S2SYNF1[89FLINT]-##-3-1-3-B	5.0	5.0
960	S2SYNF1[89FLINT]-##-3-1-5-B	-	5.0
961	S2SYNF1[89FLINT]-##-3-2-1-B	4.5	5.0
962	S2SYNF1[89FLINT]-##-3-6-1-B	4.0	5.0
963	S2SYNF1[89FLINT]-##-23-5-2-B	-	5.0
964	Z97SYNGLS(A)-F2-97-1-1-B	4.0	4.0

		DEL	PANT
965	Z97SYNGLS(A)-F2-124-1-2-B	5.0	5.0
966	Z97SYNGLS(A)-F2-8-1-2-B	5.0	5.0
967	Z97SYNGLS(A)-F2-15-3-4-B	4.0	-
968	Z97SYNGLS(A)-F2-19-1-5-B	5.0	5.0
969	Z97SYNGLS(A)-F2-83-1-2-B	-	5.0
970	[LZ955357/LZ955459]-B-2-2-1-B-B-B	4.5	5.0
971	[MSRXPOOL9]C1F2-205-1(OSU23i)-5-3-X-X-1-B/[EV7992/EV8449-SR...-3-2-3-B-B	-	-
972	[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-4-X-X-3-B/[EV7992/EV8449-SR...-2-1-B-B	4.5	4.0
973	(87046.47/88094-104)-X-642-1-2-X-1-3-B/BULK2-1-5-1-B-B	4.5	4.0
974	[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-4-X-X-2-B/[EV7992/EV8449-SR...-1-3-B-B	4.0	3.5
975	FR810/TZMSRW-5-2-1-X-X-1-B/[MSRXPOOL9]C1F2-176...-5-1-1-B-B	5.0	5.0
976	[INTA-2-1-3/INTA-155-2-2]-X-3-2-B-2-B-B-B-B	4.0	4.0
977	[INTA-2-1-3/INTA-155-2-2]-X-3-2-B-11-B-B-B-B	5.0	5.0
978	[INTA-2-1-3/INTA-155-2-2]-X-3-2-B-1-B-B-B-B	4.0	5.0
979	[LZ956343/LZ955207]-B-1-1-3-B-B-B-B	4.0	5.0
980	[INTA-2-1-3/INTA-155-2-2]-X-3-2-B-7-B-B-B-B	4.0	5.0
981	[INTA-153-1-1/INTA-F2-158-1]-X-17-2-2-B-B-B	4.5	5.0
982	[MSRXPOOL9]C1F2-205-1(OSU23i)-5-3-X-X-1-B/[EV7992/EV8449-SR...-3-2-1-B-B	-	-
983	SC/ZM605#b-19-2-X]-1-2-X-1-1-B/[EV7992/EV8449-SR...-5-3-2-B-B	4.0	5.0
984	[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-1-X-X-3-B//EV7992/EV8449...-2-2-3-B-B	5.0	5.0
985	[MSR123 X 1137TN-9-2-4-X-3/LZ956441]-B-1-5-5-B-B-B-B	5.0	5.0
986	[LZ956441/LZ966205]-B-2-3-1-B-B-B-B	4.0	5.0
987	[SC/CML204//CML202]-X-47-2-B-B-B-B-B	5.0	5.0
988	[LZ956441/LZ966205]-B-3-4-4-B-B-B-B	4.0	5.0
989	[LZ966205/MSR123 X 1137TN-9-2-4-X-3]-B-1-1-1-B-B-B-B	4.0	5.0
990	[INTB-91-1-2/INTB-F2-111-3]-X-8-1-2-B-B-B-B	4.5	5.0
991	[CML216/CML204//CML202]-X-23-2-B-B-B-B-B	-	5.0
992	[SNSYNF2[SC/ETO-B-90]-17-X-3-3-BSR/1202]-4-2-B-B	4.5	5.0
993	[90323(B)-1-X-1-B/CML312]-5-3-2-B-B	3.5	5.0
994	[POP 43 SR-4-2-3/CML202]-1-1-1-B-B	4.0	5.0
995	[EV7992=/EV8449-SR]C1F2-334-1(OSU8i)-10-4(1)-X-X-B/[MSRXPOOL9]C1F2-205...-1-3-1-B-B	-	5.0
996	[MSR123 X 1137TN-9-2-4-X-3/LZ956441]-B-1-1-5-B-B-B-B	-	4.0
997	[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-4-X-X-2-B/[EV7992/EV8449-SR...-4-2-1-B-B	4.0	5.0
998	[MSRXPOOL9]C1F2-205-1(OSU23i)-5-3-X-X-1-B//EV7992/EV8449...-3-2-2-B-B	5.0	3.5
999	89274(B)-2-X-2-X-B/[EV7992/EV8449-SR...-2-3-1-B-B	5.0	5.0
1000	[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-1-4-X-X-3-B/[EV7992/EV8449-SR...-1-1-3-B-B	4.0	4.0
1001	[CML221/[EV7992#/EVPOP43-SRBC3]#b#bsr-118-2-2-5-7-Sn]-B-23-1-B-B	5.0	4.0
1002	[CML237/[AC8342/IKENNE]1]8149SR//PL9A]C1F1-500-4-X-Sn]-B-37-2-B-B	4.0	5.0
1003	[FR810/TZMSRW-5-2-1-3-X-1/CML202]-B-21-1-B-B	5.0	5.0
1004	[FR810/TZMSRW-5-2-1-3-X-1/CML202]-B-41-3-B-B	5.0	5.0
1005	[FR810/TZMSRW-5-2-1-X-1-B/CML202 & recip]-B-12-2-B-B	5.0	5.0
1006	[M37W/ZM607#bF37sr-2-3sr-6-2-X]-8-2-X-1-B/CML312 & recip]-B-4-2-B-B	4.0	5.0
1007	[CML199/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-Sn]-B-23-2-B-B	4.5	5.0
1008	[90323(B)-1-X-1-B/[FR810/TZMSRW-5-2-1-X-1-B]]-B-2-1-1-B	4.5	5.0

		DEL	PANT
1009	[CML198/[AC8342/IKENNE]1]8149SR//PL9A]C1F1-500-4-Sn]-B-38-1-B-B	5.0	5.0
1010	[CML198/[AC8342/IKENNE]1]8149SR//PL9A]C1F1-500-4-Sn]-B-6-1-B-B	-	5.0
1011	[CML198/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-Sn]-B-15-1-B-B	-	5.0
1012	[CML198/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-Sn]-B-22-2-B-B	-	4.0
1013	[CML198/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-Sn]-B-23-1-B-B	4.0	3.5
1014	[CML198/[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-Sn]-B-5-1-B-B	-	3.5
1015	[CML198/90323(B)-1-X-5-Sn]-B-4-1-B-B	-	2.5
1016	[CML199/[EV7992#/EVPOP43-SRBC3]#b#bsr-118-2-2-5-7-Sn]-B-24-1-B-B	5.0	5.0
1017	[CML205/[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-2(1)-Sn]-B-13-2-B-B	4.5	-
1018	[[MSRXPOOL9]C1F2-176-4-7-X-1-B/CML206]-B-5-1-B-B	4.0	5.0
1019	[CML202/[COMPE2/P43-SR//COMPE2]FS#-20-S7]-B-B-1-B	-	5.0
1020	[CML216/CML395-5]-B-B-4-B	-	4.0
1021	CML 429	-	5.0
1022	P49(Y)S5B-124-#-6-B-BBB-B	-	5.0
1023	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
1024	[AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	5.0
1025	[CML387/[(M37W/ZM607...)-8-S6]]-B-B-1-B	2.5	-
1026	[CML395-7/CML202]-B-B-1-B	2.5	5.0
1027	[CML395-7/CML202]-B-B-4-B	-	5.0
1028	[CML202/CML395-6]-B-B-2-B	5.0	5.0
1029	[[AC8342/IKENNE]1]8149SR//PL9A]C1F1-500-4-X-1-B/[M37W/ZM607#BF37SR...]]-B-B-1-B	-	5.0
1030	[[EV7992#/EV8449-SR]C1F2-334-1(OSU8i)-6-3-X-X-X-1-B/CML206]-B-B-1-B	-	5.0
1031	[KILIMA(ST94)-S5:115/[M37W/ZM607#BF37SR...]]-B-B-3-B	-	5.0
1032	[[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-2(1)-X-1-2-B/CML206]-B-B-1-B	4.5	5.0
1033	[[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-2(1)-X-1-2-B/CML206]-B-B-4-B	4.0	5.0
1034	[[EV7992#/EV8449-SR]C1F2-334-1(OSU9i)-8-6(1)-X-X-1-B/CML206]-B-B-3-B	4.0	5.0
1035	[90323(B)-1-X-1-B/CML202]-B-B-6-B	4.0	5.0
1036	[CML202/[FR810/TZMSRW-5-2-1-X-1-B]]-B-B-2-B	4.0	5.0
1037	[CML202/[FR810/TZMSRW-5-2-1-X-1-B]]-B-B-4-B	4.5	5.0
1038	[SC/ZM605#b-19-2-X]-1-2-X-1-1-B/CML202]-B-B-2-B	4.0	4.0
1039	[CML389/CML206]-B-B-4-B	3.5	5.0
1040	[CML390/CML206]-B-B-2-B	4.5	5.0
1041	[CML390/CML312]-B-B-1-B	4.0	5.0
1042	[CML393/CML206]-B-B-1-B	5.0	4.5
1043	[CML206/CML391]-B-B-1-B	5.0	5.0
1044	[CML202/CML395-1]-B-B-4-B	4.5	5.0
1045	[CML202/CML395-1]-B-B-6-B	4.5	5.0
1046	[CML202/CML395-5]-B-B-2-B	5.0	5.0
1047	[CML202/CML395-5]-B-B-4-B	4.0	5.0
1048	[CML202/CML395-5]-B-B-5-B	4.0	5.0
1049	DRA-F2-141-3-2-1-1-B-B-B-B	-	-
1050	ZM605 C2F1-428-3-B-BB-B-B-B	5.0	5.0
1051	SNSYNF2[N3/TUX-A-90]-102-1-2-2-BSR-BB-B-B	4.5	5.0
1052	CML 425	4.0	5.0
1053	CML 426	4.5	5.0
1054	CML 427	5.0	5.0
1055	CML 428	4.0	5.0
1056	CML 429	4.0	5.0
1057	CML 430	4.5	5.0
1058	CML 431	4.0	5.0
1059	CML 432	5.0	5.0
1060	CML 433	5.0	5.0

	DEL	PANT
1061 EY-DMR-G-C5-S2-B-B-2-1-B-BBB-B	4.0	-
1062 EY-DMR-G-C5-S2-B-B-3-1-B-BBB-B	4.0	-
1063 EY-DMR-G-C5-S2-B-B-3-2-B-BBB-B	-	-
1064 SW2-41-4-#-BBBBB-##-B*8	5.0	-
1065 G18SeqC2-F146-3-3-2-2-#-1-1-BBBBB-B	5.0	-
1066 G18C25MH303-1-3-B-4-1-B-B	5.0	5.0
1067 G21C21MH52-1-1-1-B-B-B-1-B*12	5.0	5.0
1068 G21C22MH169#-1-2-1-4-B*9	5.0	5.0
1069 P100C6-26-1-4-1-1-1-1-BB	4.5	5.0
1070 P100C6-61-1-2-1-1-2-1-B-B-B	4.0	4.5
1071 P100C6-61-1-2-2-2-1-1-2-4-BBB-B	4.5	5.0
1072 P100C6-61-1-2-3-4-1-3-B-B-B-B	4.0	5.0
1073 P31C4S5B-14-#-#-2-BBBB-B	4.0	5.0
1074 P31C4S5B-17-#-#-1-BBBB-B	4.0	4.5
1075 P31C4S5B-23-#-#-4-BBB-B	4.5	5.0
1076 P31C4S5B-23-#-#-6-BBBB-B	-	5.0
1077 P31C4S5B-33-#-#-11-BBBB-B	5.0	5.0
1078 P31C4S5B-33-#-#-4-B-B-B-B-B	4.0	5.0
1079 P31C4S5B-33-#-#-8-B-B-B-B	-	5.0
1080 P31C4S5B-38-#-#-2-B-B-B-B-B	5.0	5.0
1081 P31C4S5B-38-#-#-4-B-B-B-B-B	5.0	5.0
1082 P31C4S5B-38-#-#-B-B-B-B	4.0	-
1083 P31C4S5B-39-#-#-1-B-B-B-B-B-B	4.5	-
1084 P31C4S5B-39-#-#-3-BBBB-B	5.0	-
1085 P31C4S5B-39-#-#-B-B-B	4.0	-
1086 P31C4S5B-41- #-#-B-B-B-B-B	-	-
1087 P31C4S5B-41-#-#-2-BBB-B	3.5	-
1088 P31C4S5B-41-#-#-3-B-B-B-B-B	5.0	-
1089 P31C4S5B-43-##-9-BBBB-B	4.5	-
1090 P31C4S5B-45-#-#-3-BBBB-B	4.0	-
1091 P31C4S5B-6-#-#-1-1-B-B-B-B	4.0	-
1092 P31C4S5B-6-#-#-1-2-B-B-B-B-B	4.0	-
1093 P31C4S5B-6-#-#-2-3-BB-B	4.0	-
1094 P31C4S5B-6-#-#-2-B-B-B-B-B	4.0	5.0
1095 P31C4S5B-6-##-3-1-BBBB-B	3.5	5.0
1096 P31C4S5B-6-##-3-2-BB-B	4.0	5.0
1097 P31C4S5B-6-#-#-4-B-B-B	4.5	-
1098 P31C4S5B-6-#-#-6-B-B-B	4.5	-
1099 P31C4S5B-6-#-#-B-B-B-B-B	4.0	5.0
1100 P31C4S5B-79-#-#-2-B-B-B-B-B	4.0	5.0
1101 P31C4S5B-83-#-#-10-B-B-B-B-B	4.5	5.0
1102 P31C4S5B-83-#-#-12-BB-B	4.5	5.0
1103 P31C4S5B-85-##-1-4-5-BBB-B	4.0	5.0
1104 P31C4S5B-85-#-#-2-3-B-B-B-B	5.0	5.0
1105 P502c2-194-4-3-1-1-B-2-B-B-B	4.5	5.0
1106 P31C4S5B-85-#-#-6-B-B-B-B-B	4.0	5.0
1107 P31C4S5B-85-#-#-9-B-B-B-B-B-B	4.0	5.0
1108 P31C4S5B-85-#-#-B-B-B-B	4.0	5.0
1109 P31C4S5B-99-#-#-9-BB-B	4.0	5.0
1110 P31C4S5B-99-#-#-B-B-B-B-B	4.5	5.0
1111 P31C4S5B-106-#-#-8-BBBB-B	4.5	5.0
1112 P31DMR-88-3#-B*15	4.0	5.0
1113 P49(Y)S5B-28-#-6-B-B-B	4.5	5.0
1114 P49(Y)S5B-124-#-3-B-BBB-B	-	5.0
1115 P49(Y)S5B-124-#-4-B-BBB-B	5.0	5.0
1116 P49(Y)S5B-124-#-6-B-BBB-B	5.0	5.0

	DEL	PANT
1117 P49(Y)S5B-178-#-1-B-BBB-B	5.0	5.0
1118 P49(Y)S5B-179-#-8-B-BBB-B	4.0	5.0
1119 P49(Y)S5B-184-#-12-B-BBB-B	5.0	5.0
1120 P49(Y)S5B-184-#-4-B-BBB-B	5.0	-
1121 P49(Y)S5B-185-#-6-B-BBB-B	5.0	5.0
1122 P145C4MH7-1-B-1-1-B-1-1-BBBB-B	3.0	-
1123 P145C6HS-27-3-B-B-BB-B	4.5	5.0
1124 SW89145-1P10H-##-1-1-BBB-B	4.0	-
1125 SW89145-1P10H-#-#-BBB-B	4.0	5.0
1126 SW89145-1P11H-#-#-2-BBB-B-B	4.0	5.0
1127 SW89145-1P7H-#-#-3-BBBB-B	5.0	5.0
1128 SW89145-1P7H-#-#-BBB-B	-	5.0
1129 SW91145-2P3S2-#-#-3-B-B-BB-B	4.0	4.0
1130 SW92145-1P2S2-#-#-1-B-B-BB-B	-	4.0
1131 SW92145-1P2S2-#-#-3-B-B-BB-B	4.0	5.0
1132 SW92145-1P4S2-#-#-3-B-B-BB	4.5	5.0
1133 SW92145-1P6S2-##-1-3-BBB	5.0	5.0
1134 SW92145-1P6S2-#-#-3-B-B-B-B	-	5.0
1135 SW92145-1P6S2-#-#-B-B-B-B	4.0	4.0
1136 SW92145-1P7S2-#-#-2-B-B-BB-B	4.5	5.0
1137 SW92145-2P4S2-#-#-11-BBBB-B	4.0	5.0
1138 SW92145-2P6S2-##-10-BBBB-B	5.0	3.5
1139 SW92145-2P9S2-##-1-BBBB	-	5.0
1140 SW92145-2P9S2-#-#-4-B-B-B-B-B	-	5.0
1141 SW92145-2P9S2-#-#-5-B-B-BB-B	-	-
1142 SW92145-2P9S2-#-#-BBB-B	5.0	5.0
1143 SW92145-1EV-6-2-BBBB	5.0	5.0
1144 SW92145-2EV-108-2-BBB-B	5.0	5.0
1145 SW92145-2EV-109-2-BBB-B	5.0	-
1146 SW92145-2EV-13-1-BBBB-B	4.0	-
1147 SW92145-2EV-2-2-B-B-BB-B	4.0	-
1148 SW92145-2EV-55-1-BBBB-B	4.0	5.0
1149 SW92145-2EV-60-2-B-B-BB-B	4.0	-
1150 SW92145-2EV-7-3-BBBB-B	4.0	5.0
1151 SW92145-2EV-82-2-B-B-BB-B	4.5	5.0
1152 P147C2-234-2-BBB-B	4.0	5.0
1153 P147C2-54-2-BBB-B	4.0	5.0
1154 P147-F2#105-1-1-B-1-BB-B	-	5.0
1155 P147-F2#105-1-1-B-5-BB-B	4.5	4.0
1156 P147-F2#105-2-1-B-1-B-B-B	4.0	3.0
1157 P147-F2#105-2-1-B-3-B-B	4.5	4.0
1158 P147-F2#110-1-2-B-2-BB	5.0	5.0
1159 P147-F2#160-1-2-B-2-BB-B	-	4.0
1160 P147-F2#89-3-2-B-1-BB-B	-	5.0
1161 (24STE-5*24STE-17)-BBBB-##-B-3-B-1-BBB-B	5.0	5.0
1162 (24STE-5*24STE-17)-BB*CL02821)-B-9-B*6	4.5	5.0
1163 (AC8328BNC6-LYDMR)-1-1-B-B-B-B	4.5	5.0
1164 P502c2-194-4-3-1-1-B-4-B-B-B	3.0	5.0
1165 P28C9HC106-3-1-2-B*8	-	-
1166 P28C9HC12-2-1-4-B*8	-	5.0
1167 P28F107-1-1-3-2-#-B*9	-	-
1168 [CML 226 x [CATETO DC 1276-7619]-2-B-5-2-B]F2-11-2-B-B-B	4.0	5.0
1169 P28DMR-22-1-1-B-2-B*10	4.0	-
1170 (CGHG2S2-19-1-F R)-BBBBB-B	4.0	5.0
1171 (CGHG2S2-21-1-1F-R)-BBBBB-B	-	-
1172 AMATLC0HS44-1-1-2E-2-2-1-B-B	4.0	5.0

		DEL	PANT
1173	AMATLC0HS44-1-1-2E-4-1-1-1-BBB-B	4.5	-
1174	AMATLC0HS44-1-1-2E-4-5-1-BBB-B	4.0	-
1175	AMATLC0HS63-2-5-1E-3-1-2-B-B-B-B	3.5	-
1176	AMATLC0HS63-2-5-1E-3-2-1-1-B-BB-B	3.5	5.0
1177	AMATLC0HS63-2-5-1E-3-2-2-1-BBBB-B	4.0	5.0
1178	AMATLC0HS71-1-1-2-1-1-1-B*6	3.0	5.0
1179	AMATLC0HS9-1-1-1-1-1-2-BBBBB	5.0	5.0
1180	AMATLC0HS92-1-1-3E-1-4-2-1-BBB-B	-	5.0
1181	AMATLC0HS115-1-2-3-3-1-2-BBBBB-B	3.5	4.0
1182	AMATLC0HS115-1-2-3-3-2-1-BBBBB	5.0	5.0
1183	AMATLC0HS129-1-1-1-2-1-1-1-B-BBB	4.0	4.5
1184	AMATLC0HS138-2-1-1-2-1-1-1-B-B-BB	-	5.0
1185	AMATLC0HS145-1-1-1-5-3-2-BB-B	4.0	-
1186	AMATLC0HS169-1-1-1-1-2-2-1-B-B-B	4.0	-
1187	AMATLC0HS170-2-3-2-1-1-1-B-B-B-B-B	4.0	-
1188	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.5	-
1189	(AMATLC0HS167-1-1-1-2F/R)-BBBBB	4.0	5.0
1190	(AMATLC0HS184-2-F/R)-2-3-1-2-4-BBB-B	4.0	-
1191	AMATLC0HS245-1-1-1-2-1-1-BBB-B	4.0	3.5
1192	DK999F2-1-1-1-2-B-B-B	4.5	5.0
1193	Pac777F2-6-1-1-BBBB	5.0	5.0
1194	PHY11-3-1-3-1-1-2-BBBB-B	4.0	5.0
1195	PHY11-3-1-3-1-1-B-B-BBB-B	4.0	5.0
1196	PHY11-3-1-3-2-2-B-B-BBB	4.0	5.0
1197	PIO.3011F2-3-5-3-1-B-BBB-B	4.0	5.0
1198	PIO3011F2-2-1-1-1-B-B-B	4.0	5.0
1199	PIO3011F2-2-1-2-2-BBBB-B	3.5	4.0
1200	PIO3011F2-3-4-1-1-BBBB-B	4.0	4.0
1201	PIO3011F2-3-4-1-BBB	4.0	4.0
1202	PIO3011F2-3-5-3-B-BB-B	4.0	-
1203	PIO3011F2-3-5-6-1-B-BBB-B	-	-
1204	PIO3011F2-5-1-1-1-BBB-B	-	-
1205	PIO3011F2-5-1-3-BBB-B	4.0	-
1206	PIO3011F2-8-1-3-3-B-B-B	4.0	5.0
1207	KC3001/KC3002-22-2-1-B-#-#-B*9	4.0	4.0
1208	KSX3601F2-5-1-1-1-B-BBB-B	5.0	5.0
1209	KSX3601F2-5-1-1-3-B-BBB-B	5.0	5.0
1210	KSX3601F2-5-1-1-4-B-BBB-B	5.0	5.0
1211	KSX3601F2-5-1-3-1-BB-B	5.0	-
1212	KSX3601F2-5-1-3-2-BBB-B	5.0	-
1213	KSX3601F2-5-2-1-BBB-B	4.5	-
1214	KSX3601F2-5-3-2-7-B-BBB-B	-	5.0
1215	KSX3601F2-7-1-1-2-BBB-B	-	5.0
1216	KTX3752F2-7-1-1-1-B-BBB-B	5.0	-
1217	KTX3752F2-7-1-1-2-BBBB-B	5.0	5.0
1218	KTX3752F2-7-1-1-4-B-BBB-B	5.0	5.0
1219	KTX3753F2-2-2-1-3-BBBB-B	5.0	5.0
1220	KTX3753F2-5-1-1-2-B-BBB-B	5.0	5.0
1221	KTX3753F2-8-1-3-1-BBB-B	4.0	5.0
1222	P345C3S3B-24-6-1-2-2-1-BBBBB-B	-	5.0
1223	P345C3S3B-27-5-1-1-1-1-2-B-BBB-B	4.0	5.0
1224	P345C3S4-14-B-2-2-2-1-BBB-B	4.5	5.0
1225	CML 429	3.5	5.0
1226	P49(Y)S5B-124-#-6-B-BBB-B	3.5	5.0
1227	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
1228	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	-

	DEL	PANT
1229 P345C5HS121-1-1-1-2-1-BBB-B	3.5	4.0
1230 P345C5HS163-2-1-1-2-1-BBB-B	4.0	4.0
1231 P345C5HS249-2-3-1-1-BBB-B	4.5	4.0
1232 P345C5HS249-2-3-1-2-BB-B	-	4.0
1233 P345C5HS306-2-1-2-1-1-B-B-B	5.0	5.0
1234 P345C5HS306-2-1-2-2-1-BBB	-	5.0
1235 P345C5HS400-2-2-2-1-1-BBBB-B	4.0	5.0
1236 P345C5S1B-15-4-2-1-2-1-2-B-BB-B	3.5	5.0
1237 SW91345-1P6S2-1-3-1-1-1-BBBB	3.0	5.0
1238 SW91345-1EV-100-3-BB-B	4.0	4.0
1239 PT963018-1-BBBBB-B	3.5	4.5
1240 PT963216-BBBBBB-B	5.0	5.0
1241 S.AM.TSR-61-3-2-4-4-B*4-##-B*9	4.0	4.0
1242 SIN.AM.TSR23-3-2-4-1-BBBB-##-B-#-B*8	5.0	5.0
1243 SW1(S)C11-14-1-5-3-2-BBBB-B	4.5	5.0
1244 SW1(S)C11-51-1-1-2-BBB-B	5.0	3.0
1245 SW1(S)C11-68-1-2-1-1-BB-B	5.0	5.0
1246 SW1(S)C11-81-2-4-2-1-BBBB-B	4.0	5.0
1247 P22C7 S4-12-B-B-1-1-1-1-B-BB-B	4.5	5.0
1248 P300 C6 HS308-1-4-1-1-2-BB-B	3.5	4.5
1249 CML421-B	4.5	5.0
1250 EY-DMR-C5-S2-B-B-3-2-BBB-B	5.0	5.0
1251 EYDMR-G-C5-S2-B-B-3-1 -B-B-B-B	4.0	4.5
1252 J G21 C22MH1 69#-1 -2-1 -4-B*6-B	4.5	5.0
1253 P49(Y)S5B-184-#-4-B-B-B-B	-	5.0
1254 Pop.145C4MH7-1 -B-1 -1 -B-1 -1 -B-B-B-B	4.0	3.5
1255 Pop. 147-F2#1 05-1 -1-B-5-B-B	5.0	4.0
1256 Pop. 147-F2#1 05-2-1 -B-3-B-B	4.0	5.0
1257 Pop. 147-F2#1 09-1 -1 -B-1 -B-B	4.5	5.0
1258 Pop.147-F2#110-1-2-B-2-B-B	4.5	5.0
1259 Pop. 1 47-F2#1 60-1 -2-B-2-B-B	4.0	4.0
1260 Pop.1 47-F2#1 61 -3-2-B-2-B-B	4.5	5.0
1261 Pop.31 C4S5B-6-#-#-1-1-B-B-B	4.0	5.0
1262 Pop.31 C4S5B-6-##-3-1 -BBB-B	4.0	5.0
1263 Pop.31 C4S5B-6-##-6-BBB-B	4.0	5.0
1264 Pop.31 C4S5B-85-##-1-4-7-BB-B	4.0	5.0
1265 Pop.31 C4S5B-85-##-2-3-BBB-B	5.0	5.0
1266 Pop.49(Y)S5B-124-##-4-BBB-B	-	5.0
1267 Pop.49(Y)S5B-179-##-8-BBB-B	4.5	5.0
1268 SW89145-1 P1 1 H-##-2-B-B-B-B	-	5.0
1269 SW92145-1P4S2-##-3-B-B-B-B	5.0	-
1270 SW92145-2EV-109-2-BBB-B	-	-
1271 SW92145-2EV-2-2-BBB-B	4.0	4.0
1272 SW92145-2EV-60-2-B-B-B-B	-	5.0
1273 SW92145-2EV-7-3-B-B-B-B	4.0	4.0
1274 SW92145-2EV-82-2-B-B-B-B	4.5	3.5
1275 SW92145-2P9S2-#-#-4-BB-B	-	5.0
1276 AC8328BNC6/LYDMR)-1-1 -B-B-B	4.0	4.0
1277 AMATLCOHS1 33-1 -F/R)-1 -3-1 -2-5-B-B-B	4.0	4.5
1278 AMATLCOHS1 67-1 -1 -1 -2F/R)-B-B-B-B-B	5.0	5.0
1279 CGHG2S2-21 -1 -1 F/R)-B-B-B-B-B	-	5.0
1280 AMATLCOHS1 15-1 -2-3-3-2-1 -B-B-B-B	4.0	5.0
1281 AMATLCOHS1 29-1 -1-1 -2-1 -1-1 -BBBB-B	3.5	3.0
1282 AMATLCOHS1 38-2-1 -1 -2-1 -1 -1 -BBB-B	-	5.0
1283 AMATLCOHS1 69-1 -1 -1 -1 -2-2-1 -B-B-B	3.5	4.0
1284 AMATLCOHS1 70-2-3-2-1 -1-1-BB-B	4.0	4.0

		DEL	PAINT
1285	AMATLCOHS44-1 -1 -2E-4-1 -1 -1 -BBB-B	3.5	4.0
1286	AMATLCOHS63-2-5-1 E-3-2-1 -1 -BBB-B	4.0	5.0
1287	AMATLCOHS71 -1 -1 -2-1 -1 -1 -BBBB-B	3.5	3.5
1288	AMATLCOHS9-1-1-1-1-1-2-BBBB-B	5.0	5.0
1289	CML413-B	4.5	5.0
1290	KC3001/KC3002-22-2-1-B-#-#-'B*7-B	4.0	5.0
1291	KSX3601 F2-5-1 -1 -1 -B-B-B	4.5	5.0
1292	KSX3601 F2-5-1 -1 -4-B-B-B-B	5.0	5.0
1293	KSX3601F2-5-2-1-BB-B	5.0	5.0
1294	KSX3601 F2-5-3-2-7-BBBB-B	4.5	5.0
1295	KSX3601 F2-9-1 -1 -1 -BBB-B	4.0	5.0
1296	KSX3601F2-9-1-1-2-BBB-B	4.5	5.0
1297	KTX3752F2-7-1 -1 -4-B-B-B-B	5.0	5.0
1298	KTX3753F2-8-1-3-1-BB-B	-	5.0
1299	NEI402003-B	4.0	4.5
1300	P345C3S3B-27-5-1 -1-1-1 -2-B-B-B-B-B	4.5	4.0
1301	P345C3-S4-14-B-2-2-2-1 -B-B-B-B	4.0	5.0
1302	P345C5HS249-2-3-1-1 -B-B-B	-	-
1303	P345C5HS400-2-2-2-1-1 -B-B-B	4.0	5.0
1304	PAC777F2-6-1-1-BBB-B	4.5	5.0
1305	PHY1 1 -3-1 -3-2-2-B-B-B-B-B	4.0	5.0
1306	PIO301 1 F2-3-5-3-1 -BBB-B	4.0	5.0
1307	PIO3011F2-5-1-3-BB-B	4.0	-
1308	Pop.28C9HC1 06^3-1-2-8*6-8	4.0	5.0
1309	Pop.28C9HC1 13-3-1 -4-B*8-B	4.0	5.0
1310	Pop.28HC1 07-2-1 -B*7-B	4.0	4.0
1311	S.AM.TSR-61-3-2-4-4-B*4-##-B*7-B	4.0	4.5
1312	SW1(S)C11-14-1-5-3-2-B-B-B-B	5.0	5.0
1313	SW1(S)C1 1-81 -2-4-2-1 -BBB-B	4.0	4.0
1314	SW91 345-1 P6S2-1 -3-1 -1-1 -BBB-B	3.5	-
1315	Pop.102-2-2-B-B-B	-	5.0
1316	Pop.102-4-2-B-B-B	4.0	5.0
1317	Pop. 1 02-32-1 -B-B-B	4.5	4.5
1318	Pop.102-40-1-B-B-B	-	5.0
1319	Pop. 102-46-1 -B-B-B	5.0	5.0
1320	Pop.102-46-2-B-B-B	4.0	4.0
1321	Pop.102-46-3-B-B-B	4.5	5.0
1322	Pop.1 02-48-1 -B-B-B	4.0	5.0
1323	Pop.102-98-2-B-B-B	5.0	5.0
1324	Pop.1 02-1 08-2-B-B-B	4.0	5.0
1325	Pop.1 02-1 54-2-B-B-B	4.5	5.0
1326	Pop.1 02-1 69-2-B-B-B	4.0	5.0
1327	Pop. 102-1 81 -2-B-B-B	4.5	5.0
1328	Pop.1 02-1 95-2-B-B-B	4.0	4.0
1329	Pop.1 02-1 98-2-B-B-B	4.0	5.0
1330	Pop.1 02-21 7-2-B-B-B	5.0	5.0
1331	Pop. 102-237-1 -B-B-B	4.0	5.0
1332	Pop. 102-269-1 -B-B-B	4.5	5.0
1333	Pop. 102-277-1 -B-B-B	4.5	5.0
1334	Pop. 102-286-1 -B-B-B	5.0	5.0
1335	Pop. 102-291-1 -B-B-B	5.0	5.0
1336	Pop.102-322-2-B-B-B	4.0	5.0
1337	Pop.1 02-330-2-B-B-B	5.0	5.0
1338	Pop.1 02-335-1 -B-B-B	4.0	5.0
1339	Pop. 102-359-1 -B-B-B	4.0	5.0
1340	Pop.1 02-F2#77-5-3-B-B-B-B	5.0	5.0

	DEL	PANT
1341 Pop. 1 02-F2#77-5-4-B-B-B-B	5.0	5.0
1342 Pop.1 02-F2#77-5-5-B-B-B-B	4.0	4.5
1343 Pop. 1 02-F2#88-5-2-B-B-B-B	5.0	4.0
1344 Pop. 1 02-F2#88-5-4-B-B-B-B	4.0	5.0
1345 Pop.1 02-F2#1 1 4-3-3-B-B-B-B	4.0	4.0
1346 Pop.1 02-F2#1 1 5-2-2-B-B-B-B	5.0	5.0
1347 Pop.1 02-F2#1 30-1 -1 -B-B-B-B	4.0	5.0
1348 Pop.1 02-F2#1 34-4-2-B-B-B-B	5.0	5.0
1349 Pop. 1 02-F2#1 34-7-1 -B-B-B-B	5.0	5.0
1350 Pop.1 02-F2#1 35-2-2-B-B-B-B	5.0	5.0
1351 Pop.147-3-3-B-B-B	4.5	5.0
1352 Pop. 1 47-22-1 -B-B-B	5.0	5.0
1353 Pop. 1 47-1 03-2-B-B-B	5.0	4.0
1354 Pop. 1 47-1 11-2-B-B-B	4.5	5.0
1355 Pop. 147-1 37-1 -B-B-B	4.5	5.0
1356 Pop.147-137-2-B-B-B	4.5	4.5
1357 Pop. 1 47-1 46-4-B-B-B	4.5	5.0
1358 Pop. 1 47-21 2-3-B-B-B	5.0	5.0
1359 Pop. 147-289-1 -B-B-B	4.5	5.0
1360 Pop. 1 47-31 8-2-B-B-B	4.0	5.0
1361 Pop.147-346-2-B-B-B	4.0	5.0
1362 Pop.147-355-2-B-B-B	3.5	4.0
1363 Pop. 147-368-1 -B-B-B	4.5	4.0
1364 Pop. 1 47-F2#87-2-2-B-1 -B-B	4.5	3.0
1365 Pop. 1 47-F2#1 02-1 -1 -B-4-B-B	4.5	5.0
1366 Pop. 1 47-F2#1 02-1-1 -B-5-B-B	4.5	5.0
1367 Pop. 1 47-F2#1 05-1 -1 -B-1 -B-B	4.0	-
1368 Pop. 1 47-F2#1 05-2-1 -B-3-B-B	4.0	3.0
1369 Pop. 1 47-F2#1 07-1 -1 -B-3-B-B	5.0	3.0
1370 Pop. 1 47-F2#1 08-1 -1 -B-1 -B-B	4.5	5.0
1371 Pop. 1 47-F201 08-1 -1 -B-2-B-B	-	-
1372 Pop. 1 47-F2#1 09-4-2-B-1 -B-B	5.0	4.0
1373 Pop. 1 47-F2#1 1 0-3-1 -B-5-B-B	5.0	5.0
1374 Pop. 1 47-F2#1 52-1 -3-B-1 -B-B	4.5	5.0
1375 Pop.1 47-F281 34-1 -2-B-3-B-B	5.0	4.5
1376 Pop. 1 47-F2#1 34-1 -2-B-4-B-B	4.5	5.0
1377 Pop. 1 47-F2#1 36-3-1 -B-2-B-B	4.0	3.5
1378 Pop. 1 47-F2#1 36-5-1 -B-1 -B-B	4.0	5.0
1379 Pop.1 47-F2#1 38-2-1 -B-3-B-B	5.0	5.0
1380 Pop. 147-F2#1 39-1-1 -B-1 -B-B	4.5	3.5
1381 Pop. 1 47-F2#1 52-1 -3-B-1 -B-B	5.0	3.0
1382 Pop.1 47-F2#1 52-1 -3-B-2-B-B	4.5	4.0
1383 Pop.1 47-F2#1 61 -3-2-B-1 -B-B	4.0	3.0
1384 Pop.1 47-F2#1 61 -3-2-B-2-B-B	4.5	5.0
1385 Pop. 1 47-F2#1 61 -3-2-B-3-B-B	4.5	4.0
1386 MIRTC4AmF1-B-2-1-B	5.0	5.0
1387 MIRTC4AmF1-B-2-2-B	4.5	5.0
1388 MIRTC4Am F1-B-2-3-B	4.0	5.0
1389 MIRTC4AmF3-B-1-1-B	4.0	5.0
1390 MIRTC4AmF3-B-1-2-B	5.0	-
1391 MIRTC4Am F6-B-2-2-B	5.0	4.0
1392 MIRTC4Am F6-B-1-1-B	5.0	5.0
1393 MIRTC4AmF15-B-1-1-B	4.5	5.0
1394 MIRTC4AmF15-B-1-2-B	4.5	5.0
1395 MIRTC4AmF15-B-2-1-B	5.0	-
1396 MIRTC4AmF17-B-2-1-B	5.0	-

		DEL	PANT
1397	MIRTC4AmF20-B-1-1-B	3.5	-
1398	MIRTC4Am F20-B-1-2-B	4.5	5.0
1399	MIRTC4AmF20-B-2-1-B	5.0	4.5
1400	MIRTC4Am F20-B-2-2-B	4.0	3.5
1401	MIRTC4Am F20-B-2-3-B	4.0	4.0
1402	MIRTC4AmF20-B-1-1-B	-	-
1403	MIRTC4Am F23-B-1-3-B	4.0	-
1404	MIRTC4Am F23-B-2-1-B	5.0	4.0
1405	MIRTC4Am F23-B-2-2-B	5.0	5.0
1406	MIRTC4Am F28-B-1-1-B	4.0	4.5
1407	MIRTC4Am F28-B-1-2-B	-	4.0
1408	MIRTC4AmF28-B-1-3-B	4.5	4.0
1409	MIRTC4Am F28-B-2-2-B	4.5	4.0
1410	MIRTC4Am F30-B-1-1-B	5.0	-
1411	MIRTC4Am F30-B-2-2-B	-	4.0
1412	MIRTC4Am F30-B-2-3-B	4.5	-
1413	MIRTC4Am F36-B-1-1-B	5.0	5.0
1414	MIRTC4Am F36-B-1-2-B	5.0	5.0
1415	MIRTC4Am F36-B-2-2-B	5.0	5.0
1416	MIRTC4Am F39-B-1-2-B	5.0	-
1417	MIRTC4Am F39-B-1-3-B	4.0	5.0
1418	MIRTC4AmF63-B-2-1-B	4.5	5.0
1419	MIRTC4Am F86-B-3-1-B	5.0	5.0
1420	MIRTC4Am F101-B-2-2-B	3.0	-
1421	MIRTC4AmF110-B-1-1-B	4.5	5.0
1422	MIRTC4AmF121-B-1-1-B	5.0	5.0
1423	MIRTC4AmF126-B-1-1-B	4.0	-
1424	MIRTC4Am F128-B-1-1-B	-	-
1425	MIRTC4Am F128-B-1-3-B	4.5	3.5
1426	MIRTC4AmF150-B-1-1-B	5.0	3.5
1427	MIRTC4AmF150-B-1-2-B	4.0	3.5
1428	MIRTC4AmF150-B-3-1-B	5.0	4.0
1429	CML 429	4.0	3.5
1430	P49(Y)S5B-124-#-6-B-BBB-B	3.0	5.0
1431	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
1432	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	5.0
1433	MIRTC4AmF170-B-1-1-B	4.0	5.0
1434	P391c2F21-1-2-1-1-B-B	-	5.0
1435	P391c2F22-1-1-2-1-B-B	4.0	4.0
1436	P391c2F52-2-2-1-1-B-B	4.0	-
1437	P391c2F52-2-2-2-1-B-B	4.0	-
1438	P391C2F56-1-1-2-3-B-B	-	-
1439	P391c2F98-3-2-4-1-B-B	4.0	-
1440	P391c2F1 04-3-1 -3-1 -B-B	4.0	-
1441	P391C2F1 04-3-1 -3-2-B-B	4.0	3.0
1442	P391c2F1 47-2-2-1-1 -B-B	-	4.0
1443	P391C2F1 47-2-2-4-1 -B-B	5.0	3.0
1444	P391c2F1 70-1 -1-1-1 -B-B	5.0	5.0
1445	MIRTC4 Bco F5-B-3-B-B	4.5	-
1446	MIRTC4BcoF21-B-1-B-B	5.0	3.0
1447	MIRTC4BcoF30-B-1-B-B	4.5	3.5
1448	MIRTC4BcoF37-B-1-B-B	4.0	4.0
1449	MIRTC4BcoF39-B-1-B-B	4.5	-
1450	MIRTC4BcoF53-B-1-B-B	5.0	5.0
1451	MIRTC4 Bco F59-B-3-B-B	-	-
1452	MIRTC4BcoF67-B-1-B-B	5.0	5.0

	DEL	PANT
1453 MIRTC4BcoF86-B-1-B-B	4.0	-
1454 MIRTC4BcoF91-B-1-B-B	-	-
1455 MIRTC4BcoF103-B-2-B-B	-	-
1456 MIRTC4 Bco F105-B-1-B-B	5.0	-
1457 MIRTC4 Bco F105-B-2-B-B	4.0	4.5
1458 MIRTC4 Bco F105-B-3-B-B	5.0	5.0
1459 MIRTC4BcoF116-B-1-B-B	4.5	4.0
1460 MIRTC4 Bco F130-B-1-B-B	5.0	5.0
1461 MIRTC4BcoF132-B-2-B-B	5.0	4.0
1462 MIRTC4BcoF133-B-1-B-B	5.0	-
1463 MIRTC4BcoF140-B-1-B-B	-	5.0
1464 MIRTC4BcoF146-B-1-B-B	5.0	-
1465 MIRTC4BcoF181-B-1-B-B	4.0	4.0
1466 P391C2BoF5-1 -2-2-1 -B-B	4.0	-
1467 P391C2BC F1 4-2-1 -3-1 -B-B	4.0	4.0
1468 P391C2BcF45-1 -1-1 -1-B-B	4.5	4.0
1469 P391C2Bc F59-1 -1-3-1 -B-B	5.0	-
1470 P391C2BC F61-1-1-4-2-B-B	4.0	3.5
1471 P391C2BC F1 03-1 -1-1 -1-B-B	4.0	-
1472 P391C2BC F127-1 -1-1 -1-B-B	4.0	4.0
1473 P391C2BCF1 38-1 -1-1 -1-B-B	5.0	3.5
1474 P391C2BC F1 42-1 -1-2-1 -B-B	-	-
1475 P391C2BC F1 96-1 -2-1 -1-B-B	5.0	5.0
1476 P391C2BO F227-2-2-2-1-B-B	5.0	5.0
1477 [CML 323 x FS8B(T)-154-B-1-3-1-2-2-B-B]F2-7-1-B-B	4.0	5.0
1478 POP24C8HC110-1-2*POP146)-2-4-1-B*5-B	5.0	5.0
1479 EEY-S1-B-B-1-B-B-B	4.5	4.5
1480 EEY-S1-B-B-1-B-B-B	5.0	4.0
1481 EEY-S1-B-B-2-B-B-B	5.0	5.0
1482 EEY-S1-B-B-3-B-B-B	5.0	5.0
1483 EY-DMR-G-C5-S2-B-B-1-1-B-B-B-B	5.0	5.0
1484 EY-DMR-G-C5-S2-B-B-1-1-B-B-B-B	4.5	3.5
1485 EY-DMR-G-C5-S2-B-B-3-1-B-B-B	4.0	5.0
1486 EY-DMR-G-C5-S2-B-B-3-2-B-B-B-B	5.0	5.0
1487 EY-DMR-G-C5-S2-B-B-3-3-B-B-B-B	4.0	4.0
1488 EY-DMR-POOL-C5-S2-B-B-B-1-1 -BBB-B	5.0	4.5
1489 New Yellow Flint Var.-4-1-2-B*6-B	4.5	5.0
1490 New Yellow Flint Variety-4-3-1-B*6-B	4.5	3.5
1491 New Yellow Flint Vahety-4-5-3-B*5-B	5.0	5.0
1492 GI7(TSR)MH5-2-4#1-1-1-5-B*6-B	5.0	5.0
1493 G1 7(TSR)MH5-2-4-S-1-1-1-5-B*7-B	5.0	5.0
1494 G18C20MH125#-3-3-2-B*6-B	5.0	5.0
1495 G18C20MH125#-3-3-3-B-B-B-B-B-B-B-B	5.0	5.0
1496 G18C2QMH125#-3-3-4-B-B-B-B-B-B-B	5.0	5.0
1497 G18C2QMH144#-2-5-4-#-B-B-B-B-B-B-B-B	4.5	4.5
1498 G18C20MH654-2-1-3-#-B-B-B-B-B-B-B	5.0	4.0
1499 G18C20MH65#-2-1-3-#-B-B-B-B-B-B-B-B	5.0	4.0
1500 G21C21MH52-1-1-1-BBB-1-B*10-B	-	3.5
1501 G21C22MH143#-1-1-1-2-B-B-B-B-B-B	5.0	5.0
1502 G21 C22MH169#-1-2-1-4-B-B-B-B-B-B-B-B	4.5	3.0
1503 POP146C3MH229#-1-2-1-B-B-B-B-B-B-B-B	5.0	5.0
1504 Suwan2-41-4-#-BBBB-B-B#-B*7-B	4.5	4.0
1505 TEYDMR POPC1-MH1#-1-1-4-B*7-B	5.0	5.0
1506 P31C4HC30-2-B-B -2-1-BB-3-B*12-B	5.0	5.0
1507 G18C20MH125# -3-3-3- # -B*7-B	5.0	5.0
1508 G18C20MH144# -2-4-1-B*7-B	5.0	-

		DEL	PANT
1509	EY-DMR-G-C5-S2-BBB-2-B-B-B-B	5.0	5.0
1510	EY-DMR-G-C5-S2-BBB-3-B-B-B-B-B	5.0	5.0
1511	EY-DMR-G-C5-S2-BBB-4-B-B-B-B-B	5.0	5.0
1512	EEY-S1-B-B-B-B-B-B	5.0	5.0
1513	EEY-S1-B-B-B-B-B-B-B	5.0	5.0
1514	EEY-S1-B-B-B-B-B-B-B	5.0	5.0
1515	G18C23-21-1-1-1-B-B-B-B-B-B	5.0	5.0
1516	G18C23-30-1-3-1-B-B-B-B-B	4.5	5.0
1517	G17C22MH83-6-1-2-1-1-4-B-#-B-B-B-B-B	4.5	5.0
1518	G17ESY 2X4/#C22MH83#-6-1-2-1-1-BB-# -B*4-B	4.5	5.0
1519	G18SeqC2F119-2-1-1-#-1-1-B-B-B-B-B	4.5	5.0
1520	G18SeqC2F119-2-1-1-#-2-3-B-B-B-B	4.0	4.0
1521	G18SEQc2-F1 41-2-2-1-1 -1-2-#-#-2- B-B-B-B-B	4.0	-
1522	G18SEQc2-F1 46-3-3-2-2-#-1-1-B-B-B-B-B	3.5	-
1523	G18SEQc2-F146-3-3-3-1-#-2-2-B-B-B-B-B	4.0	5.0
1524	G18SEQc2-F146-3-3-3-1-#-2-3-B-B-B-B	4.0	5.0
1525	G18Seq.C3-17-1-1-2-B-B-B-B-B-B	4.0	-
1526	P49(Y)S5B-184-#-4-B-B-B	5.0	-
1527	SW91145-2P3S2-#-#-3-B-B-B-B	5.0	-
1528	G18SeqC3F245-2-2-2-1-3-B-B-B	5.0	5.0
1529	G18SeqC3F245-2-2-2-2-3-B-B-B	5.0	5.0
1530	G18SeqC3F245-2-2-2-2-4-B-B-B	5.0	-
1531	G18SeqC1-124-2-1-3-1-1-B-B-B-B-B	4.5	5.0
1532	G18SeqC1-124-2-2-1-1-3-B-B-B-B-B	5.0	-
1533	G17C25H.S.45-1-1-1-#-#1-B-B-B-B	5.0	-
1534	G17C25H.S.45-1-1-1-#-#2-B-B-B-B	5.0	-
1535	G17C25H.S.45-1-1-1-#-#3-B-B-B-B-B	5.0	5.0
1536	G17C25H.S.45-1-1-#-#-#2-B-B-B-B-B	5.0	5.0
1537	G17C25H.S.45-1-1-#-#-#3-B-B-B-B	4.5	3.5
1538	TEY-G-146-1-#1-1-#2#-#2-B -B-B-B-B	5.0	5.0
1539	TEY-G-146-1-#1-2-#1#-#3-B-B-B-B-B	4.5	-
1540	TEY-G-146-1-#1-2-#2-#-#1-B-B-B-B	4.5	-
1541	TEY-G-146-1-#1-2-#2-#-#2-B-B-B-B-B	4.5	4.0
1542	TEY-G-146-1-#1-2-#2-#-#3-B-B-B-B	4.5	-
1543	TEY-G-1 46-1 -#1 -3-#2-#-#2- B-B-B-B	4.0	3.0
1544	TFY-G-146-1-#1-3-#3-#-#1 -B-B-B-B-B	5.0	4.5
1545	(49C2MH1 2-5-4XP23C2-1 1 -1)-2-2-2-B*5-B-B	4.0	3.5
1546	(NPH99XNPH1 01)-1 -1 -3-2-B-1 -B-1-BB-B-B	4.0	3.5
1547	(NPH99XNPH1 01)-1 -1 -3-2-B-1 -B-2-BB-B-B	4.0	3.5
1548	AC8328BNC6-1 66-1 -1 -1 -BB-B-B	4.5	-
1549	AC8328BNC6-166-1-1-5-BB-B-B	4.0	-
1550	CL-02808 P28TSR-33-3-3-B-1 -1 -BB-##-BB-B-B	4.0	3.0
1551	CL-03210 P32HC20-3-4-###-BBB-####-B*9-B	4.0	4.0
1552	CL-04324FERKE8243-51-1-1-B-##-3-BB-f-##-B-B-B	5.0	3.0
1553	CL-G1704-B-B	5.0	4.5
1554	CL-G1808-B-B	5.0	3.5
1555	CML144-B-B	5.0	3.0
1556	CML161-B-B	4.5	4.0
1557	CML170-B-B	4.5	3.0
1558	CML254 Tuxp.SEQ.-1 49-2-BBB-##-1 -BB-f-####-B*5-B	-	3.0
1559	CML263 (P21 F241*P21 F219)-2-1-2-1-BB-f-####-B*5-B	5.0	3.5
1560	CML264 P21 C5HC21 9-3-1 -B-##-8-1 -3-BBB-f-####-B*5-B	4.5	3.0
1561	CML268 P23STEC1 HC45-1 -1 -1 -2-3-BB-f-####-B*5-B	3.5	3.0
1562	CML269 P25STEC1 HC1 3-6-1 -1 -#-BBB-f-####-B*5-B	4.5	3.0
1563	CML27 P27C5HC1-1-3-B-ff-###-BBBB-B-B	4.5	3.5

		DEL	PANT
1564	CML270 P29STEC1 HC1 7-4-1 -1 -2-1 -BB-f-####-B*5-B	-	3.0
1565	CML274(AC7643*P43F7)-2-3-4-3-BB-f-#BW*-B*5-B	3.5	4.0
1566	CML282 (G22F1 28*G22F25)-2-2-3-1 -BB-f-####-B*5-B	5.0	5.0
1567	CML285P24C5HC34-2-3-B-f-2#-BBB-f-####-B*5-B	5.0	-
1568	CML287 (P24F26*P27F1)-4-1 -B-1 -1 -BB-f-####-B*5-B	3.5	-
1569	CML297 Sint.Am.TSR-23-3-1 -1 -1 -BB-f4*###-B*5-B	4.0	3.5
1570	CML36 P32C4HC20-3-4-B-ff-###-BBBB-B-B	4.0	3.5
1571	CML398-B-B	3.5	-
1572	CML400-B-B	4.0	3.0
1573	CML402-B-B	4.0	4.0
1574	CML403-B-B	4.5	4.5
1575	CML404-B-B	3.5	3.5
1576	CML405-B-B	-	4.0
1577	CML407-B-B	-	3.5
1578	CML417-B-B	4.0	5.0
1579	CML421 P31 DMR#1 -55-2-3-2-1 -B*7-B-B	4.0	3.5
1580	CML422G17TSRMH5-2-4-7-1-1-1-B*7-B-B	5.0	4.5
1581	CML48 P73PORILLO8073-1 1-1-1 -##-B-ff-BBBB-B-B	-	4.5
1582	CML49 P73STAROSA8073-6-1 -1 -ff-###-BBBB-B-B	4.0	4.0
1583	CML-59 Ant1 1 305-1 -1 -9-b1 -b1 #b1 -B-B	5.0	4.0
1584	CML-60 AntGpo2-5#1 -2-5-1 -1 -1 -b1 -b1 #b1 -B-B	5.0	4.5
1585	CML-71 AntGpo2-5#1 -2-1 -1 -5-5-7-b1 -b1 #b1 -B-B	5.0	4.0
1586	G17C25HS45-1-1-1-#-#2-BBBB-B-B	4.5	5.0
1587	G1 7C25HS45-1 -1 -1 -#-#3-BBBB-B-B	5.0	5.0
1588	G1 7TSRMH5-2-4-#-1 -1 -1 -5-B*5-B-B	5.0	5.0
1589	G1 81 1 G1 8C20MH1 25#-3-3-1 -#-B*6-B-B	5.0	5.0
1590	G18C21HS1-2-1-1-#-#1-BBB-B-B	5.0	-
1591	G18C23-21-1-1-1-BBB-B-B	5.0	-
1592	G18C23-21-2-1-1-BBB-B-B	5.0	5.0
1593	G1 8C23-21 -2-1 -2-BBB-B-B	-	5.0
1594	G1 8C23-65-2-1 -1 -BBB-B-B	-	5.0
1595	G18C23-66-2-1-1-BB-B-B	5.0	5.0
1596	G18C29MH99-1-2-2-BBBB-B-B	5.0	5.0
1597	G21 C22MH1 69#-1 -2-1 -5-B*5-B-B	5.0	5.0
1598	G26SeqC3-30-2-2-2-1 -BB-B-B	4.5	5.0
1599	LPSC4F7-1 -2-2-2-2-BB-B-B	3.5	-
1600	P145C4MH159-1-B-2-1-B-1-1-B-B-B	3.5	5.0
1601	P1 45C4MH1 59-1 -B-2-1 -B-3-2-B-B-B	3.5	-
1602	P1 45C4MH 1 59-1 -B-2-1 -B-3-3-B-B-B	4.0	-
1603	P1 45C4MH1 59-1 -B-2-1 -B-3-4-B-B-B	-	-
1604	P1 45C4MH1 59-1 -B-2-1 -B-4-2-B-B-B	4.5	-
1605	P1 45C4MH1 59-1 -B-2-1 -B-4-3-B-B-B	4.0	-
1606	P1 45C4MH1 59-1 -B-2-1 -B-4-4-B-B-B	3.5	-
1607	P1 45C4MH7-1 -B-1 -1 -B-1 -1 -B-B-B	3.5	-
1608	P22STEC2-11-BM1-B-B	4.0	-
1609	P31C4HC30-2-B-#-2-1-BB-2-B*10-B-B	4.5	-
1610	P32(MRRS)F2(C2)-1 0-2-B*6-B-B	5.0	-
1611	P32(MRRS)F2(C2)-1 38-1 -B*5-B-B	4.0	-
1612	P43C8HC13-1-3-BB-##-BBBBB-B-B	4.0	4.0
1613	P43CAMEROON-4-1 -1 -1 -1 -3-1 -BBB-B-B	3.5	-
1614	P43CAMEROON-4-1 -1 -1 -1 -3-2-BBB-B-B	4.5	-
1615	P43CAMEROON-4-1 -1 -1 -1 -3-3-BBB-B-B	4.5	-
1616	P43CAMEROON-4-1-1-2-1-3-1-BBB-B-B	4.5	5.0
1617	SINT TIAC MH574-1-B-1-1-B-3-2-B-B	-	5.0
1618	SINT.TIACMH552-3-B-2-2-B-1-1 -B-B-B	4.5	5.0

		DEL	PANT
1619	SINT.TIAC MH586-1 -B-3-1 -B-1 -2-B-B-B	5.0	5.0
1620	SINT.TIAC MH586-1-B-3-1rB-1-4-B-B-B	5.0	5.0
1621	SINT.TIAC MH586-1 -B-3-1 -B-3-2-B-B-B	5.0	5.0
1622	TEW-G-1 15-2-#3-2-#1-#-#2-BBB-B-B	5.0	5.0
1623	TEY-G-1 46-1 -#1 -1 -#2-#-#2^B B-B-B	4.5	4.0
1624	TEYP003TEYDMRPOPC1MH216#-1-3-4-B*8-B-B	5.0	-
1625	CL02178-B-B	3.5	3.5
1626	CL02182-B-B	4.0	3.0
1627	CL04335-B-B	4.0	4.0
1628	CL04336-B-B	3.5	-
1629	G2406-B-B	3.0	4.0
1630	CL02177-B-B	-	-
1631	P21 C5HC72-3-1 -2-1 -BBB-##-1 -B*8-B-B	4.0	4.5
1632	P21 (MRS)C1 -525-1 -B*1 2-B-B	4.0	4.0
1633	CML 429	-	4.0
1634	P49(Y)S5B-124-#-6-B-BBB-B	3.5	5.0
1635	AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	5.0
1636	(AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	4.0
1637	CL00368-B-B	4.5	4.0
1638	(P24STE5x24STE-17)-BBBB-###-B6-B2-B*4-B-B	-	3.5
1639	(P24STE1 7)BBBB-#-B*9-B-B	4.0	3.5
1640	(P24xP24)-1-2-2-3-BBB-4B-#-BBB-#-B*6-B-B	-	-
1641	P36STEC2-5-B*7-#-B*6-B-B	4.5	-
1642	CL000348-B-B	3.5	-
1643	CML287-B-B	4.0	3.0
1644	CML418-B-B	4.5	3.5
1645	G1 61 4 G1 6C1 9MH21 9-5-1 -2-1 -7-B-#-B*5-B-B	5.0	-
1646	G1 6C20MH69-#2-4-2-B-2-2-BB-B-B	4.0	-
1647	CL04935-B-B	5.0	-
1648	G1 6C20MH69-#2-4-2-B-2-6-BB-B-B	-	3.0
1649	P30C6HC28-B-5-B*7-B-B	-	-
1650	P30C6HC93-B-2-B*6-B-B	4.5	-
1651	P30C6HC93-B-7-B*6-B-B	4.0	3.5
1652	EWDMR-G-C7-HS-(S1 -B)-9-B-1 -B-B-B	3.5	3.0
1653	EWDMR-G-C7-HS-(S1-B)-9-B-2-B-B-B	4.0	5.0
1654	TEW-G-69-2-#-1-1-#1-##-3-B*4-B-B	5.0	3.0
1655	TEW-G-1 1 5-2-#-3-2-#-1 -##-2-BBB-B-B	5.0	5.0
1656	IKENE81 49-SR-68-3-#2-BBB-2-B*1 0-B-B	5.0	3.0
1657	G16C23MH173-1-2-B-1-B-B	5.0	4.5
1658	G16C20MH44#-3-5-3-B*5-B-B	4.5	5.0
1659	G1808G18C20MH125#-3-BBBB-B-B	5.0	-
1660	CML421-B	4.5	5.0
1661	EY-DMR-G-C5-S2-B-B-2-1 -B-B-B-B	4.0	-
1662	EY-DMR-G-C5-S2-B-B-3-1 -B-B-B-B	4.0	-
1663	P31 C4S5B-39-#-#-1 -B-B-B-B	5.0	5.0
1664	Pop.147-F2#105-2-1-B-1-B-B	3.5	4.0
1665	Pop. 1 47-F2#1 1 0-1 -2-B-2-B-B	5.0	5.0
1666	Pop. 1 47-F2#89-3-2-B-1 -B-B	-	4.5
1667	Pop.31C4S5B-23-#*4-B-B-B-B	4.5	-
1668	Pop.31 C4S5B-6-#-#-6-B-B-B-B	4.5]	-
1669	SW92145-1 P4S2-#-#-3-B-B-B-B	4.0	3.0
1670	SW92145-2EV-109-2-B-B-B-B	4.0	3.5
1671	SW921 45-2EV-1 3-1 -B-B-B-B	4.0	-
1672	SW92 1 45-2EV-7-3-B-B-B-B	-	3.5
1673	SW92145,2P4S2^#-#-1 1-B,B-B-B	4.5	4.0
1674	(AMATLCOHS1 33-1 -F/R)-1-3-1 -2-5-B-B-B	4.0	3.5

	DEL	PANT
1675 AMATLCOHS1 69-1-1 -1-1-2-2-1 -B-B	3.5	3.5
1676 AMATLCOHS71-1-1-2-1-1-1-BBBB-B	2.5	-
1677 AMATLCOHS9-1 -1 -1 -1 -1 -2-BBBB-B	4.0	3.5
1678 KSX3601F2-5-1-1-4-B-B-B-B	4.5	-
1679 KSX3601F2-9-1-1-2-BBB-B	4.5	3.5
1680 KTX3753F2-5-1-1 -2-BBBB-B	4.0	-
1681 NEI402020-B	4.0	3.0
1682 NS1 (S)C1 S5-261 -7-3-1 -2-1 -1 -BBBB-B	4.0	3.0
1683 P345C3S3B-27-5-1 -1 -1 -1 -2-B-B-B-B-B	4.5	3.0
1684 P345C5HS249-2-3-1-1-B-B-B	4.0	-
1685 PAC777F2-6-1 -1 -BBB-B	4.5	4.5
1686 Pio3011F2-3-5-3-1-BBB-B	4.0	3.5
1687 Pio3011F2-5-1-3-B-B-B	3.5	-
1688 Pop.28C9HC1 1 3-3-1 -4-B*8-B	4.5	-
1689 G1 7|TSR|MH5-2-4-#-1 -1 -1 -5-B-B-B-B-B-B	5.0	-
1690 G1 7TSRMH5-2-4-7-1 -1 -1 -B-B-B-B-B-B	5.0	-
1691 G1 8C20MH1 25#-3-1 -1 -#-B-B-B-B-B-B	5.0	-
1692 G1 8C20MH1 44#-2-4-4-B-B-B-B-B	5.0	-
1693 G1 8C20MH65#-2-1 -3-#-B-B-B-B-B-B	5.0	-
1694 G1 8SeqCO-91 -2-#-1 -4-1 -B-B-B	5.0	5.0
1695 G1 8SeqC1 -1 24-2-2-1 -1 -3-B-B-B	5.0	-
1696 G1 8SeqC2F 1 1 9-2-1 -2-#-1 -2-B-B	5.0	5.0
1697 G18SeqC2F 11 9-2-1 -2-#-2-2-B-B-B	5.0	5.0
1698 G18SeqC2F 11 9-2-1 -2-#-2-4-B-B-B	5.0	-
1699 G1 8SeqC2F 1 1 9-2-1 -2-#-3-1 -B-B	5.0	-
1700 G1 8Seqo2F 1 41 -2-2-1 -1 -1 -1 -2-#-#-1 -B-B-B	5.0	3.0
1701 G1 8Seqc2F 1 41 -2-2-1 -1 -1 -1 -2-#-#-2-B-B-B	5.0	4.0
1702 G1 8Seqo2F 1 44-2-2-1 -1 -1 -1 -2-#-#-2-B-B-B	5.0	4.0
1703 G1 8SeqC2F 1 41 -5-1 -1 -#-1 -1 -B-B-B	5.0	4.5
1704 G18SeqC2F 141 -5-1 -1-#-1 -2-B-B	5.0	5.0
1705 G18SeqC2F 141 -5-1 -1-#-1 -3-B-B-B	5.0	4.5
1706 G18SeqC2F 141 -5-1-1 -#-2-1 -B-B-B	5.0	-
1707 G1 8SeqC2F 1 41 -5-1 -1 -#-2-2-B-B-B	5.0	-
1708 G18SeqC2F 146-3-1-1 -#-1-1 -B-B-B	5.0	-
1709 G18SeqC2F 146-3-1-1 -#-2-1 -B-B-B	5.0	-
1710 G18SeqC2F 146-3-1-1 -#-3-1 -B-B-B	4.5	-
1711 G18Seqc2F 1 46-3-3-2-1 -#-1 -3-B-B-B	5.0	-
1712 G18SeqC2F 160-1 -2-1 -#-3-1 -B-B-B	5.0	5.0
1713 G18SeqC2F 334-2-2-1 -#-5-1 -B-B-B	5.0	-
1714 G1 8SeqC3-1 7-1 -1 -1 -1 -B-B-B-B	5.0	-
1715 G1 8SeqC3-1 7-1 -1 -1 -2-B-B-B	5.0	5.0
1716 G1 8SeqC3-1 8-2-1 -1 -2-B-B-B-B	5.0	4.5
1717 G1 8SeqC3-23-4-1 -1 -1 -B-B-B-B	5.0	5.0
1718 G1 8SeqC3-45-1 -1 -2-2-B-B-B-B	5.0	5.0
1719 G1 8SeqC3-7-1 -2-2-1 -B-B-B-B	5.0	-
1720 G1 8SeqC3-7-1 -2-2-2-B-B-B	5.0	5.0
1721 G1 8SeqC3-7-1 -2-2-3-B-B-B-B	5.0	-
1722 G1 8SeqC3-85-1 -1 -1 -2-B-B-B	5.0	5.0
1723 G1 8SeqC3-85-1 -1-1 -3-B-B-B-B	5.0	5.0
1724 G1 8SeqC3-85-1 -1 -2-2-B-B-B-B	5.0	5.0
1725 G1 8SeqC3-F20-1 -2-1 -1 -B-B	5.0	5.0
1726 G1 8SeqC3-F20-1 -2-1 -4-B-B-B	5.0	5.0
1727 G1 8SeqC3-F21 1 -1 -1 -1 -2-B-B	5.0	4.5
1728 G1 8SeqC3-F21 1 -1 -1 -2-2-B-B-B	5.0	4.0
1729 G1 8SeqC3-F245-2-2-2-1 -2-B-B	5.0	-
1730 G1 8SeqC3-F29-1 -1 -1 -1 -B-B-B	5.0	5.0

	DEL	PANT
1731 G1 8SeqC3-F29-1 -1 -2-1 -B-B	5.0	5.0
1732 G21 c22|MH 1 69#-1 -2-1 -5-B-B-B-B-B	4.5	4.5
1733 POB.146 C3 MH226#-1-2-1-B-B-B-B-B-B	5.0	5.0
1734 Pop. 1 45C6HS-27-1 -B-B-B-B	5.0	4.5
1735 Pop.145C6HS-27-3-B-B-B-B	4.5	-
1736 Pop.1 45C6HS-34-1 -B-B-B-B	5.0	-
1737 Pop.1 45C6HS-45-3-B-B-B-B	4.5	5.0
1738 Pop. 1 45C6HS-49-1 -B-B-B-B	3.0	-
1739 Pop.1 45C6HS-53-2-B-B-B-B	4.0	-
1740 Pop.145C6HS-55-2-B-B-B	4.0	3.0
1741 Pop.1 46C5MH1 1 8-#-1 -1 -B-B-B-B	5.0	5.0
1742 Pop.1 46C5MH1 34-#-2-1 -B-B-B-B	5.0	4.5
1743 Pop.1 46C5MH1 87-#-1 -1 -B-B-B-B	5.0	4.0
1744 Pop. 1 46C5MH 1 87-#-1 -2-B-B-B	5.0	-
1745 Pop. 1 46C5MH 1 87-#-2-2-B-B-B-B	5.0	3.5
1746 Pop.1 46C5MH1 87-#-3-1 -B-B-B-B	5.0	3.0
1747 Pop. 1 46C5MH338-#-1 -1 -B-B-B-B	5.0	3.0
1748 Pop. 1 46C5MH338-#-1 -2-B-B-B-B	5.0	3.0
1749 Pop. 1 46C5MH339-#-3-1 -B-B-B-B	5.0	5.0
1750 Pop.1 46C5MH35-#-1 -1 -B-B-B	5.0	-
1751 Pop.1 46C5MH397-#-2-1 -B-B-B	5.0	4.5
1752 Pop.1 46C5MH397-3-2-2-B-B-B	5.0	4.0
1753 Pop.1 46C5MH397-#-2-3-B-B-B	5.0	-
1754 Pop. 1 46C5MH46-#-1 -1 -B-B-B-B	5.0	3.5
1755 Pop.1 47-F281 02-1 -1 -B-2-B-B	4.5	3.5
1756 Pop. 1 47-F2#1 02-1-1 -B-3-B-B	5.0	-
1757 Pop.1 47-F2#1 02-2-1 -B-2-B-B	5.0	5.0
1758 Pop.1 47-F2#1 02-2-1 -B-3-B-B	5.0	-
1759 Pop. 1 47-F2#1 02-2-2-B-1 -B-B	5.0	4.0
1760 Pop. 1 47-F2#1 02-2-2-B-2-B-B	5.0	4.0
1761 Pop. 1 47-F2#1 02-2-2-B-3-B-B	5.0	5.0
1762 Pop.1 47-F2#1 05-1 -1 -B-1 -B-B	5.0	5.0
1763 Pop. 1 47-F2#1 05-1-1 -B-2-B-B	4.0	3.5
1764 Pop. 1 47-F281 05-1 -1 -B-3-B-B	5.0	4.5
1765 Pop. 1 47-F2#1 05-1 -1 -B-5-B-B	4.5	5.0
1766 Pop.1 47-F2#1 05-2-1 -B-2-B	-	-
1767 Pop.1 47-F2JSM 05-2-1 -B-3-B	4.0	4.0
1768 Pop.1 47-F2#1 08-1 -1 -B-1 -B-B	4.5	5.0
1769 Pop. 1 47-F2#1 08-1-1 -B-2-B-B	-	5.0
1770 Pop. 1 47-F2#1 08-1 -1 -B-3-B	4.0	4.5
1771 Pop. 1 47-F2#1 09-1 -1 -B-1 -B-B	4.5	5.0
1772 Pop. 1 47-F2#1 09-1 -1 -B-2-B	-	5.0
1773 Pop. 1 47-F2#1 09-4-1 -B-1 -B-B	-	5.0
1774 Pop. 1 47-F2#1 09-4-1 -B-2-B	4.0	4.0
1775 Pop. 1 47-F2#1 09-4-2-B-1 -B-B	4.0	4.5
1776 Pop.1 47-F3M 09-4-2-B-2-B	4.0	3.5
1777 Pop.147-F2#110-1-1-B-1-B	-	3.5
1778 Pop.1 47-F2#1 1 0-1 -1 -B-2-B-B	4.5	4.0
1779 Pop. 1 47-F2#1 1 0-1 -2-B-1 -B-B	4.0	4.0
1780 Pop. 1 47-F2#1 1 0-1 -2-B-2-B-B	5.0	4.5
1781 Pop. 1 47-F2#1 1 0-1 -3-B-2-B-B	4.5	4.5
1782 Pop.1 47-F2#1 10-3-1 -B-1 -B	4.0	4.0
1783 Pop. 147-F2#1 10-3-1 -B-4-B-B	4.0	5.0
1784 Pop.1 47-F2#1 1 0-3-1 -B-5-B-B	-	5.0
1785 Pop.1 47-F2#1 14-2-1 -B-1 -B	4.0	-
1786 Pop.1 47-F2#1 1 4-2-1 -B-2-B-B	4.0	5.0

	DEL	PANT
1787 Pop.1 47-F2#1 25-1 -2-B-1 -B	4.0	3.5
1788 Pop.1 47-F2#1 32-1 -1 -B-3-B-B	4.0	-
1789 Pop. 1 47-F2#1 34-1 -2-B-1 -B-B	5.0	5.0
1790 Pop.1 47-F2#1 34-1 -2-B-2-B	5.0	5.0
1791 Pop. 1 47-F2#1 34-1 -2-B-3-B	5.0	-
1792 Pop.1 47-F2#1 34-1 -2-B-4-B-B	4.0	-
1793 Pop.1 47-F2#1 34-1 -3-B-2-B-B	4.5	4.5
1794 Pop. 1 47-F231 34-1 -3-B-3-B	4.0	4.0
1795 Pop.1 47-F2&1 36-3-1 -B-2-B	4.5	-
1796 Pop. 1 47-F2#1 36-5-1 -B-1 -B	4.5	4.0
1797 Pop. 1 47-F2/M 38-2-1 -B-1 -B-B	5.0	5.0
1798 Pop. 1 47-F2#1 38-2-1 -B-2-B-B	5.0	4.5
1799 Pop. 1 47-F2#1 38-2-1 -B-3-B-B	5.0	-
1800 Pop. 1 47-F2#1 39-1 -1 -B-1 -B	5.0	-
1801 Pop. 1 47-F2#1 39-1-1 -B-2-B-B	5.0	-
1802 Pop.1 47-F2#1 39-1 -1 -B-3-B-B	5.0	4.5
1803 Pop. 1 47-F2#1 39-1-1 -B-4-B-B	5.0	4.5
1804 Pop. 1 47-F2#1 39-1-1 -B-5-B-B	4.5	4.0
1805 Pop. 1 47-F2#1 39-1 -1 -B-6-B-B	5.0	4.5
1806 Pop. 1 47-F2#1 47-2-1 -B-2-B-B	5.0	-
1807 Pop.1 47-F2#1 47-2-2-B-2-B	5.0	4.0
1808 Pop. 147-F2#1 52-1-1 -B-1 -B	5.0	5.0
1809 Pop. 1 47-F2#1 52-1-1 -B-2-B-B	5.0	5.0
1810 Pop. 1 47-F2#1 52-1 -3-B-1 -B-B	5.0	3.5
1811 Pop.1 47-F2#1 52-1 -3-B-2-B-B	5.0	3.5
1812 Pop. 147-F2#1 54-1-1 -B-1 -B	4.0	-
1813 Pop. 1 47-F2#1 54-1 -1 -B-2-B	-	-
1814 Pop. 1 47-F2#1 54-1 -1 -B-3-B-B	5.0	4.0
1815 Pop. 1 47-F2#1 60-1 -2-B-1 -B	3.5	-
1816 Pop. 1 47-F2#1 60-1 -2-B-2-B-B	3.5	3.0
1817 Pop.147-F2#161-2-1-B-1-B-B	4.0	-
1818 Pop.147-F2#161-3-1-B-1-B	4.0	2.5
1819 Pop. 1 47-F2#1 61 -3-1 -B-2-B	4.0	3.0
1820 Pop.147-F2#161-3-2-B-1-B	3.5	3.5
1821 Pop.1 47-F2#1 61 -3-2-B-2-B	3.5	-
1822 Pop.1 47-F2#1 61 -3-2-B-3-B-B	4.5	3.5
1823 Pop.147-F2#178-1-2-B-1-B	4.0	-
1824 Pop.147-F2#64-1-1-B-1-B	5.0	5.0
1825 Pop.1 47-F2#64-1 -1 -B-4-B-B	5.0	-
1826 Pop.1 47-F2#70-1 -1 -B-1 -B-B	4.0	-
1827 Pop.1 47-F2#70-1 -1 -B-2-B-B	4.0	5.0
1828 Pop.1 47-F2#70-1 -1 -B-3-B-B	4.0	5.0
1829 Pop.1 47-F2#74-1-2-B-1-B	4.0	3.0
1830 Pop. 1 47-F2#74-1 -2-B-2-B	4.5	3.5
1831 Pop. 1 47-F2#87-1 -1 -B-2-B-B	5.0	3.5
1832 Pop.1 47-F2#87-2-2-B-1 -B-B	4.5	4.0
1833 Pop.1 47-F2#87-2-2-B-2-B	4.0	4.0
1834 Pop. 1 47-F2#89-2-1 -B-1 -B-B	4.5	3.0
1835 Pop.1 47-F2#89-3-2-B-1 -B-B	4.5	4.5
1836 Pop.147-F2#91-1-1-B-1-B	4.0	-
1837 CML 429	4.0	3.0
1838 P49(Y)S5B-124-#-6-B-BBB-B	4.0	-
1839 AMATLC0HS44-1-1-2E-2-2-1-B-B	5.0	-
1840 (AMATLC0HS133-1-F/R)-1-3-1-2-5-BBB-B	4.0	3.5
1841 Pop. 1 47-F2#98-3-1 -B-1 -B-B	5.0	4.0
1842 Pop.1 47-F2#99-1 -3-B-1 -B-B	4.5	4.0

		DEL	PANT
1843	Pop.31 C4S5B-6-#-#-1 -1 -B-B-B-B	4.0	3.5
1844	Pop.31 C4S5B-6-#-#-1 -2-B-B-B-B	4.0	-
1845	Pop.31 C4S5B-85-#-#-1 -1 -B-B-B-B	4.0	4.0
1846	Pop.31 C4S5B-85-#-#-1 -2-B-B-B-B	4.0	3.5
1847	Pop.31 C4S5B-85-#-#-1 -3-B-B-B-B	4.0	3.5
1848	Pop.31 C4S5B-85-#-#-1-4-3-B-B-B	4.0	-
1849	Pop.31 C4S5B-85-#-#-1-4-6-B-B-B	3.5	3.0
1850	Pop.31 C4S5B-85-#-#-1 -4-7-B-B-B	4.0	3.0
1851	Pop.31 C4S5B-85-#-#-2-3-B-B-B-B	5.0	4.5
1852	POP31 DMR#1 -55-2-3-2-1 -1 -#-B-B-B-B-B-B	4.5	4.0
1853	POP31DMR#1 -55-2-3-2-1 -2-B-B-B-B-B-B	4.5	3.5
1854	SW92145-1 EV-1 1-1 -B-B-B-B	4.0	4.0
1855	SW92145-1 EV-1 5-1 -B-B-B-B	5.0	4.5
1856	SW92145-1 EV-18-2-B-B-B-B	4.0	4.0
1857	SW92145-1 EV-31-1 -B-B-B-B	4.5	4.0
1858	SW92145-1 EV-3-2-B-B-B-B	5.0	4.5
1859	SW92145-1 EV-3-3-B-B-B-B	4.5	4.5
1860	SW92145-1 EV-49-1 -B-B-B-B	5.0	4.5
1861	SW92145-1 EV-50-1 -B-B-B-B	4.5	4.0
1862	SW92145-1 EV-60-1 -B-B-B-B	4.5	4.0
1863	SW92145-1 EV-69-1-B-B-B	-	3.0
1864	SW92145-1 EV-83-1 -B-B-B-B	5.0	3.0
1865	SW92145-1 EV-85-1-B-B-B	4.0	4.0
1866	SW92145-1 EV-88-1 -B-B-B-B	4.0	4.0
1867	SW92145-1 EV-88-2-B-B-B-B	4.0	3.0
1868	SW921 45-2 EV-1 08-2-B-B-B-B	5.0	3.0
1869	[CML 226 x D888]F2-32-B-B	3.5	3.5
1870	SW92145-2 EV-1 5-1 -B-B-B-B	5.0	4.0
1871	SW92145-2 EV-21-1-B-B-B-B	3.5	3.0
1872	SW92145-2 EV-24-1-B-B-B-B	4.0	-
1873	SW92145-2 EV-25-1-B-B-B-B	4.0	-
1874	SW92145-2 EV-26-1-B-B-B	5.0	3.5
1875	SW92145-2 EV-30-1-B-B-B	5.0	-
1876	SW92145-2 EV-32-1-B-B-B-B	5.0	-
1877	SW92145-2 EV-33-1-B-B-B	5.0	-
1878	SW92145-2 EV-33-3-B-B-B-B	4.0	-
1879	SW92145-2 EV-54-1-B-B-B	4.5	4.0
1880	SW92145-2 EV-55-1-B-B-B-B	3.5	3.0
1881	SW92145-2 EV-56-1-B-B-B-B	4.0	-
1882	SW92145-2 EV-57-3-B-B-B	4.0	3.5
1883	SW92145-2 EV-60-2-B-B-B-B	5.0	3.0
1884	SW92145-2 EV-7-3-B-B-B	4.0	4.0
1885	SW92145-2 EV-77-1-B-B-B-B	4.0	3.5
1886	SW92145-2 EV-78-2-B-B-B	4.0	3.5
1887	SW92145-2 EV-78-3-B-B-B	-	-
1888	SW921 45-2 EV-81 -1 -B-B-B	4.0	-
1889	SW92145-2 EV-82-2-B-B-B-B	5.0	2.5
1890	SW92145-2 EV-93-1 -B-B-B	4.0	4.0
1891	SW92145-2 EV-98-1-B-B-B-B	4.5	2.5
1892	SW921 45-2P9S2-#-#-1 -2-3-B-B	4.5	4.5
1893	TEY-DMRPOPC1 -MH1 #-1 -1 -3-B-B-B-B-B-B	-	5.0
1894	TEY-DMRPOPC1 -MH21.6#-1 -3-1 -B-B-B-B-B-B	4.5	3.0
1895	EY-DMR-G-C5-S2-B-B-2-1 -B-B-B-B	4.0	3.5
1896	EY-DMR-G-C5-S2-B-B-3-1 -B-B-B-B	4.0	2.5
1897	EY-DMR-G-C5-S2-B-B-3-2-B-B-B-B	3.5	2.5
1898	G17(TSR)MH5-2-4-#-1-1-1-5-BBBBBB-B-B	5.0	3.0

	DEL	PANT
1899 G17(TSR)MH5-2-4-#-1-1-1-6-BBBBB-B-B	5.0	5.0
1900 G1 8C20MH1 44#-2-5-4-#-BBBBBB-B-B	5.0	5.0
1901 G21 C21 MH52-1 -1 -1 -BBB-1 -B*1 0-B	3.5	4.0
1902 G21 C22MH169#-1-2-1-4-BBBBBB-B-B	4.5	4.0
1903 P145C6HS-45-3-B-B-B	4.5	4.0
1904 P1 46C3MH229#-1 -2-1 -BBBBBB-B-B	-	3.5
1905 P1 47 C2-1 27-1 -B-B-B	5.0	-
1906 P147C2-234-2-B-B-B	5.0	5.0
1907 P147C2-301-2-B-B-B	4.0	5.0
1908 P147C2-315-2-B-B-B	4.5	-
1909 P147C2-389-3-B-B-B	5.0	4.5
1910 P147C2-397-1-B-B-B	4.5	3.0
1911 P147C2-413-3-B-B-B	-	3.5
1912 P147C2-450-1-B-B-B	-	3.5
1913 P147C2-474-1-B-B-B	4.0	3.5
1914 P147C2-54-2-B-B-B	4.0	4.0
1915 P31 C4HC30-2-B- # -2-1-BB-1-B*12-B	4.5	3.0
1916 P31C4S5B-1-#-#-5-B-B	4.5	2.5
1917 P31 C4S5B-1 -#-#-5-B-B-B-B	4.5	-
1918 P31 C4S5B-1 06-#-#-4-B-B-B-B	4.0	3.5
1919 P31 C4S5B-1 06-#-#-5-B-B	4.5	3.5
1920 P31 C4S5B-106-#-#-8-B-B-B-B	4.0	3.5
1921 P31 C4S5B-1 7-#-#-1 -B-B-B-B	4.5	3.5
1922 P31 C4S5B-23-#-#-4-B-B-B-B	-	3.0
1923 P31C4S5B-23-#-#-6-B-B-B-B	4.0	-
1924 P31 C4S5B-27-#-#-4-B-B-B-B	3.5	-
1925 P31 C4S5B-27-#-#-7-B-B-B-B	4.5	3.0
1926 P31 C4S5B-33-#-#-1 1 -B-B-B-B	5.0	4.0
1927 P31 C4S5B-33-#-#-2-B-B-B-B	5.0	3.5
1928 P31 C4S5B-33-#-#-4-B-B-B-B	4.5	-
1929 P31 C4S5B-33-#-#-8-B-B-B-B	4.5	5.0
1930 P31 C4S5B-33-#-#-9-B-B-B-B	4.5	5.0
1931 P31 C4S5B-38-#-#-2-B-B-B-B	5.0	4.5
1932 P31C4S5B-38-#-#-3-B-B	4.5	4.0
1933 P31 C4S5B-38-#-#-4-B-B-B-B	5.0	4.0
1934 P31 C4S5B-38-#-#-7-B-B-B-B	4.5	-
1935 P31C4S5B-38-#-#-B-B-B	4.5	4.5
1936 P31 C4S5B-39-#-#-1-B-B-B-B-B	4.0	4.0
1937 P31 C4S5B-39-#-#-7-B-B-B-B	4.0	4.5
1938 P31 C4S5B-41 - #-#-B-B-B-B	4.0	4.5
1939 P31 C4S5B-41-#-#-2-B-B-B-B	5.0	4.5
1940 P31 C4S5B-41 -#-#-3-B-B-B-B	-	4.5
1941 P31 C4S5B-41-#-#-5-B-B-B-B	5.0	-
1942 P31 C4S5B-43-#-#-2-B-B-B-B	4.0	4.5
1943 P31 C4S5B-43-#-#-8-B-B	4.0	-
1944 P31 C4S5B-43-#-#-9-B-B-B-B	4.0	-
1945 P31 C4S5B-45-#-#-3-B-B-B-B	4.0	4.0
1946 P31 C4S5B-6-#-#-1 -1 -B-B-B	4.0	4.0
1947 P31 C4S5B-6-#-#-1 -2-B-B-B-B	4.0	4.0
1948 P31 C4S5B-6-#-#-2-3-B-B-B	4.0	4.5
1949 P31 C4S5B-6-#-#-2-B-B-B-B	4.0	4.5
1950 P31 C4S5B-6-*-*-3-1 -B-B-B-B	4.0	4.0
1951 P31C4S5B-6-#-#-4-B-B	4.0	-
1952 P31 C4S5B-6-#-#-B-B-B-B	3.5	4.0
1953 P31 C4S5B-79-#-#-2-B-B-B-B	4.0	4.0
1954 P31 C4S5B-79-#-#-7-B-B	3.5	3.5

		DEL	PANT
1955	P31 C4S5B-83-#-#-1 0-B-B-B-B	4.0	3.0
1956	P31 C4S5B-83-#-#-1 2-B-B	4.0	5.0
1957	P31 C4S5B-83-#-#-1 8-B-B-B-B	5.0	-
1958	P31 C4S5B-85-#-#-1 0-B-B-B-B-B	4.0	5.0
1959	P31 C4S5B-85-#-#-1 -2-B-B-B	4.0	5.0
1960	P31 C4S5B-85-#-#-1 -B-B-B-B	3.5	5.0
1961	P31 C4S5B-85-#-#-2-3-B-B-B	-	5.0
1962	P31 C4S5B-85-#-#-3-B-B-B-B	4.0	5.0
1963	P31 C4S5B-85-#-#-7-B-B-B-B	4.0	3.5
1964	P31 C4S5B-99- #-#-B-B-B-B	4.5	5.0
1965	P31 C4S5B-99-JMM -B-B-B-B	5.0	5.0
1966	P31 C4S5B-99-#-*-6-B-B-B-B	4.5	4.5
1967	P31 C4S5B-99-#-#-7-B-B-B-B	5.0	4.5
1968	P31C4S5B-99-#-#-9-B-B	4.0	5.0
1969	P31 C4S5B-B-85-#-#-B-B-B-B-B	4.0	4.0
1970	P31 DMR#-55-2-3-2-1-2-BBBBBB-BB-B	4.0	5.0
1971	P49(Y)S5B-1 24-#-4-B-B-B-B	5.0	4.5
1972	P49(Y)S5B-1 84-#-4-B-B-B-B	4.5	5.0
1973	P49(Y)S5B-184-#-8-B-B	-	4.5
1974	P49(Y)S5B-1 85-#-1 -B-B-B-B	4.5	5.0
1975	P49(Y)S5B-185-#-3-B-B-B-B	4.5	5.0
1976	P49(Y)S5B-1 85-#-5-B-B-B-B	4.5	5.0
1977	P49(Y)S5B-1 85-#-6-B-B-B-B	4.0	4.5
1978	P49(Y)S5B-203-#-4-B-B-B-B	4.0	5.0
1979	P49(Y)S5B-203-#-5-B-B-B-B	4.0	4.0
1980	P49(Y)S5B-205-#-4-B-B	5.0	5.0
1981	P49(Y)S5B-28-#-6-B-B	4.0	4.5
1982	SW891 45-1 P1 OH-#-#-B-B-B	-	5.0
1983	SW891 45-1 P2H-#-#-2-B-B-B-B	-	5.0
1984	SW891 45-1 P7H-#-#-3-B-B-B-B	3.5	3.5
1985	SW891 45-1 P7H-#-#-B-B-B	-	4.5
1986	SW92145-t EV-54-1 -B-B-B	4.0	5.0
1987	SW92145-1 EV-85-1 -B-B-B	-	-
1988	SW921 45-1 P2S2-#-#-1 -B-B-B-B	4.5	3.5
1989	SW92145-1 P6S2-#-#-3-B-B-B	5.0	3.5
1990	SW92145-1 P6S2-#-#-B-B-B	4.0	-
1991	SW92145-1 P7S2-#-#-2-B-B-B-B	4.0	5.0
1992	SW921 45-1 P7S2-#-#-6-B-B-B-B	5.0	4.0
1993	SW92145-2 EV-108-2-B-B-B	4.5	5.0
1994	SW921 45-2 EV-1 1 2-1 -B-B-B	-	3.5
1995	SW92145-2 EV-21-1 -B-B-B	4.0	-
1996	SW92145-2 EV-26-1 -B-B-B	4.0	3.0
1997	[CML 323 x [CATETO DC 1276/7619]-2-B-5-2-B]F2-42-2-B-B	4.5	5.0
1998	SW92145-2 EV-57-3-B-B-B	4.0	4.0
1999	SW92145-2 EV-7-3-B-B-B	4.0	5.0
2000	SW92145-2 EV-78-2-B-B-B	4.0	2.5
2001	SW92145-2 EV-98-1 -B-B-B	4.5	5.0
2002	SW921 45-2P6S2-#-#-1 0-B-B-B-B	4.5	-
2003	SW921 45-2P6S2-#-#-5-B-B-B-B	4.0	-
2004	SW921 45-2P9S2-#-#-5-B-B-B-B	-	-
2005	SW921 45-2P9S2-#-#-B-B-B	5.0	4.5
2006	[CML395-1/CML395-5]-B-B-3-B	3.5	-
2007	[CML395-2/CML202]-B-B-2-B	3.5	4.0
2008	[CML395-3/CML202]-B-B-4-B	4.0	2.5
2009	[CML395-3/CML202]-B-B-5-B	3.0	4.0
2010	P345C4S2B-B-46-2-1-2-1-B-B-BB-B	4.5	4.0

		DEL	PANT
2011	P345C4S2B-46-2-1-2-1-1-BBB-B	3.5	-
2012	P345C4S2B-B-46-2-2-1-2-BBBB-B	4.0	-
2013	P345C4S2B-46-2-2-2-2-BBBBB-B	4.0	4.0
2014	MIRTC4AmF166-B-1-1-B	4.5	-
2015	MIRTC4AmF169-B-2-1-B	3.5	-
2016	MIRTC4AmF169-B-2-2-B	4.0	-
2017	MIRTC4AmF169-B-2-3-B	4.0	3.5
2018	P43C10HC131-B*8-B-B	4.0	-
2019	CML411-B-B	4.5	-
2020	CML415-B-B	4.0	4.5
2021	CL00370-B-B	4.5	3.5
2022	Pop.1 47-F2#91 -1 -1 -B-2-B-B	5.0	5.0
2023	Pop.1 47-F2#91 -2-1 -B-1 -B-B	-	4.5
2024	Pop.1 47-F2#97-1 -1 -B-2-B-B	4.5	3.5
2025	Pop. 1 47-F2#97-3-1 -B-2-B-B	4.5	5.0

Table 49 a **Efficacy of Apron XL 35 ES against SDM at Mandya during 2002 K**

SL. No.	Treatment	Dose g/kg	ermination Mand	Yield Mand	SDM% Mand
1	Untreateted	-	85.0	-	100.0
2	Apron XL 35 ES	1.2	85.0	33.0	6.6
3	Apron XL 35 ES	2.4	86.0	33.0	0.0
4	Apron XL 35 ES	3.5	86.0	34.0	0.0
5	Apron XL 35 WS (Standard)	7.0	86.0	34.0	0.0

Table 49 b **Efficacy of Apron XL 35 ES against BSDM at Pantnagar during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination Pant	Yield Pant	BSDM 1-5 Pant
1	Untreateted	-	74.6	26.1	2.8
2	Apron XL 35 ES	1.2	75.0	25.1	2.5
3	Apron XL 35 ES	2.4	80.3	25.4	1.8
4	Apron XL 35 ES	3.5	85.6	27.8	2.0
5	Apron XL 35 WS (Standard)	7.0	84.5	25.9	1.8

Table 49 c **Efficacy of Apron XL 35 ES against RDM at Udaipur during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination UDP	Yield UDP	RDM % UDP
1	Untreateted	-	-	-	75.7
2	Apron XL 35 ES	1.2	-	-	0.0
3	Apron XL 35 ES	2.4	-	-	0.0
4	Apron XL 35 ES	3.5	-	-	0.0
5	Apron XL 35 WS (Standard)	7.0	-	-	0.0

Table 49 d **Efficacy of Apron XL 35 ES against BSDM at Dhaulakuan during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination Dhau	Yield Dhau	BSDM 1-5 Dhau
1	Untreateted	-	61.5	30.6	2.1
2	Apron XL 35 ES	1.2	62.5	32.6	2.0
3	Apron XL 35 ES	2.4	66.0	34.8	1.9
4	Apron XL 35 ES	3.5	64.0	34.3	1.8
5	Apron XL 35 WS (Standard)	7.0	59.3	29.9	1.7

Germination % is low due to climatic conditions

Table 49 e **Efficacy of Dividend 3 WS against BLSB at Delhi during 2002 K**

Sr. No.	Treatment	Dose g/kg	Germination %	Yield	BLSB (1-5)
			Del	Del	Del
1	Untreateted	-	53.3	-	3.5
2	Dividend 3 WS	1	59.7	-	3.5
3	Dividend 3 WS	2	43.3	-	3.5
4	Dividend 3 WS	4	45.0	-	3.5
5	Bavistin (Standard)	3	57.7	-	3.5

Germination % is low due to climatic conditions

Table 49 f **Efficacy of Dividend 3 WS against BLSB at Pantnagar during 2002 K**

Sr. No.	Treatment	Dose g/kg	Germination %	Yield	BLSB (1-5)
			Pant	Pant	Pant
1	Untreateted	-	64.5	37.9	3.6
2	Dividend 3 WS	1	66.6	39.3	3.1
3	Dividend 3 WS	2	64.2	37.4	2.7
4	Dividend 3 WS	4	60.8	39.4	2.6
5	Bavistin (Standard)	3	63.2	35.4	3.1

Germination % is low due to climatic conditions

Table 49 g **Efficacy of Dividend 3 WS against BLSB at Dhaula Kuan during 2002 K**

Sr. No.	Treatment	Dose g/kg	Germination %	Yield	BLSB (1-5)
			Dhau	Dhau	Dhau
1	Untreateted	-	67.3	36.5	2.9
2	Dividend 3 WS	1	75.0	40.7	2.7
3	Dividend 3 WS	2	69.8	39.0	2.3
4	Dividend 3 WS	4	67.3	37.4	2.1
5	Bavistin (Standard)	3	60.8	34.9	2.3

Table 49 h **Efficacy of Dividend 3 WS against MLB at Delhi during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination	Yield	MLB (1-5)
			Del	Del	Del
1	Untreateted	-	44.7	-	4.5
2	Dividend 3 WS	1	35.3	-	4.5
3	Dividend 3 WS	2	37.3	-	4.5
4	Dividend 3 WS	4	35.3	-	4.5
5	Bavistin (Standard)	3	45.3	-	4.5

Germination % is low due to drought

Table 49 I **Efficacy of Dividend 3 WS against MLB at Dhaula Kuan during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination	Yield	MLB (1-5)
			Dhau	Dhau	Dhau
1	Untreateted	-	67.3	36.5	3.1
2	Dividend 3 WS	1	75.0	40.7	2.6
3	Dividend 3 WS	2	69.8	39.0	2.4
4	Dividend 3 WS	4	67.3	37.4	2.1
5	Bavistin (Standard)	3	60.8	34.9	2.3

Table 49 j **Efficacy of Dividend 3 WS against MLB at Bajaura during 2002 K**

Sr. No.	Treatment	Dose g/kg	ermination	Yield	MLB (1-5)
			Baj	Baj	Baj
1	Untreateted	-	64.3	32.0	3.3
2	Dividend 3 WS	1	68.0	41.4	1.3
3	Dividend 3 WS	2	66.3	38.1	1.5
4	Dividend 3 WS	4	69.0	47.1	2.4
5	Bavistin (Standard)	3	64.3	44.3	1.6

Table 49 k **Efficacy of Dividend 3 WS against TLB at Nagenahalli during 2002 K**

Sr. No.	Treatment	Dose	ermination NAG	Yield q/ha NAG	TLB (%) NAG
1	Untreated	-	-	32.1	100.0
2	Dividend 3 WS	1 g / Kg	-	37.1	85.0
3	Dividend 3 WS	1.5 g / Kg	-	44.5	45.0
4	Dividend 3 WS	2 g / Kg	-	39.5	53.0
5	Dividend 3 WS	1.5 grms	-	51.9	61.0
6	Plus foliar spray Dividend 3 WS	1.5 grms	-	56.8	25.0
7	Plus foliar spray Dividend 3 WS	2 grms	-	64.2	19.0
8	Plus foliar spray Dividend 3 WS	1 gm./ lit	-	44.5	49.0
9	Only foliar spray Dividend 3 WS	1.5 gm./ lit	-	51.9	65.0
10	Only foliar spray Dividend 3 WS	2 gms./ lit	-	59.3	33.0
11	Only foliar spray Mancozed	2.5 gm./ lit	-	54.3	41.0

Table 5 Evaluation of inbred lines against PFSR at Udaipur, Hyderabad Ludhiana and DMR during 2002 K

SL. NO	Pedigree	UDP	HYD	LUD	DMR
1	SW-DMR-91-145-IP-2-1-1-1-2-2-1-1	4.5	6.0	1.4	3.0
2	CM-123-1-3	6.2	5.3	1.4	2.7
3	CM-500-2-3	4.8	4.0	1.5	7.0
4	PFSR-8-2	5.8	9.9	1.0	3.7
5	PFSR-12	4.9	4.0	3.4	3.0
6	PFSR-13-2	3.4	4.7	2.8	3.0
7	PFSR-13-3	8.4	5.1	3.0	5.0
8	PFSR-13-4	5.0	2.6	3.7	4.2
9	PFSR-13-5	4.6	3.6	3.1	3.2
10	173-1-x-bulk-2-x-bulk-4-1-1-1-1-2	5.0	6.0	3.0	6.4
11	SW-93D-313-23-Pop.49-S4-1-3-1-1-1-2-1-2-1-1	7.3	4.4	3.7	3.0
12	SW-93D-313-23-Pop.49-S4-1-3-1-1-1-2-1-2-1-2	6.9	7.2	3.6	3.0
13	CM-117-3-2	6.6	8.6	3.5	5.0
14	CM-117-3-3	6.7	4.0	3.9	2.5
15	CM-117-3-4	5.5	8.4	3.4	NG
16	CM-117-3-6	5.6	7.9	3.1	NG
17	CM-117-3-7	6.3	5.0	6.0	3.0
18	CM-117-3-9	6.4	4.6	4.5	2.5
19	SW-93D-313-23-Pop.49.S4-1-1-3-1-1-1-2-4-1-4-1-1-1-1	6.5	4.0	3.3	NG
20	CML-111-BB-5-1-1-1-'b-1	6.9	5.4	2.3	2.1
21	P24(STE)C2-29-BBBB-#-2-BBBBBB-B-B-1-1-2-'b-1	7.8	5.5	3.4	NG
22	(43*PORILLO8043)-5-1-2-2-BBB-4-B-#-#-BBBBBB-B-B-1-2-1-'b-1	4.5	5.2	3.5	NG
23	(43*PORILLO8043)-5-1-2-2-BBB-4-B-#-#-BBBBBB-B-B-2-3-1-2'b-1	4.0	NG	3.0	NG
24	(43*PORILLO8043)-5-1-2-2-BBB-4-B-#-#-BBBBBB-B-B-2-3-2-'b-1	5.3	3.2	2.7	NG
25	JCY_1-1-3-1-3-1-1	3.3	5.0	2.5	NG
26	JCY_2-2-4-1-1-1-1	3.4	2.0	3.5	NG
27	JCY_3-7-1-2-1-'b-1	2.9	2.0	3.3	2.2
28	JCY_3-7-1-2-1-'b-2	3.3	6.5	3.4	1.7
29	JCY_3-7-1-2-2-1-1	3.1	3.7	3.5	1.0
30	JCY_3-7-1-2-2-1-2	2.5	4.0	3.2	1.5
31	JCY_3-7-1-2-2-2-1	3.0	4.0	3.4	2.7
32	JCY_2-1-1-'b-1	5.5	4.2	3.2	3.3
33	JCY_2-1-1-'b-2	3.2	2.8	3.0	3.5
34	JCY_3-4-1-1	7.5	6.0	4.1	2.4
35	EC 383380-8-1-'b-#b-1-1-'b-1	5.4	6.6	4.5	NG
36	EC 383380-8-1-'b-#b-1-2-'b-1	6.2	6.2	3.1	6.0
37	[MSC_2IC_2-5—xMSC$_2$IC$_2$—]-3-4-2-1-1-1-1-3-1-1-1-1-'b-1	6.6	2.6	4.2	6.7
38	179-1-x-bulk-1-1-1-1-1-1-5-2-1-1-1	4.0	3.2	3.0	4.0
39	CML-111-BB-7-2-1-1	6.9	6.4	2.7	NG
40	KT x 3752 F_2-7-1-1-1-B-B-B-1-1-1-1	3.6	7.8	2.6	6.0
41	KT x 3752 F_2-7-1-1-1-B-B-B-1-1-2-1	5.9	4.4	3.9	5.5
42	MASMADU-2-1-1-1-1-6-3-1-2-'b-1	6.6	5.2	3.0	NG
43	CM 500-2-2-2-2-1	6.0	4.1	3.5	NG
44	PT 963052-B-B-B-B-B-B-1-'b-1	6.7	5.7	2.3	NG
45	[(I 156 x I 132)-3-2-1-] x I 156-5-2-1-2-1	6.7	3.7	3.6	3.0
46	I 156-1-1	5.6	6.7	3.5	NG
47	(SE 503 x SE 513)-12-4-1-1-4-2-4-1-1-1	2.8	3.6	2.0	NG
48	(SE 503 x SE 513)-12-4-1-3-1-3-3-1-1-1	4.7	8.7	2.8	NG
49	(CML 25 x SE 533)-9-3-1-3-4-3-4-1-2-1	3.8	6.2	3.0	1.0

Table 50

SL. NO	Pedigree	UDP	HYD	LUD	DMR
50	(CML 25 x SE 503)-3-1-2-1-2-3-1-1-1	3.6	5.1	3.3	4.5
51	(CML 25 x SE 503)-3-1-2-1-2-3-1-1-2	4.9	7.9	3.9	NG
52	(CML 25 x SE 503)-5-6-2-1-1-2-1-1-1	4.0	3.8	3.5	4.2
53	(CML 25 x SE 503)- 5-6-2-1-1-2-1-1-2	5.1	7.5	3.9	NG
54	NP 2 K 10032-3-1	4.2	6.2	3.3	NG
55	CM 117-6-2	7.4	7.6	4.1	NG
56	CM 117-7-1	4.4	6.3	3.1	NG
57	CM 117-7-2	3.2	5.2	3.2	1.0
58	KTX3752F2-7-1-1-1-B-B-B-1-1	6.8	4.4	2.1	1.0
59	173-1-x-bulk-2-x-bulk-4-1-1-1-1-2	5.0	7.5	4.1	1.0
60	CML 292 (Pob 28 x TSR)-33-2-7-1-2-BB-f-##-#-x-2-1-1-1-3	4.6	5.7	3.0	3.2
61	CM-123-1	6.4	8.8	3.4	NG
62	CML-90-BB-1	5.4	6.4	3.3	1.0
63	CML-111-BB-2	7.0	8.3	3.8	4.5
64	CML-111-BB-8	5.7	7.5	3.2	NG
65	CML-111-BB-9	5.5	7.0	3.8	NG
66	AMATLCOHS 92-1-1-3E-4-4-1-1-B-B-B	3.9	2.2	3.3	1.0
67	P 345 C5 HS 121-1-1-1-2-1-B-2	6.0	8.0	4.4	1.0
68	SW1 (S) C 11-14-1-B-B-1-1-B-B-B	6.1	7.4	4.8	7.0
69	SW1 (S) C 11-14-1-5-3-2-B-B-B	5.5	7.4	3.7	NG
70	SW-DMR-91-145-1f-2-1-1-1-2-1-2-2-1-1	7.8	8.2	3.1	NG
71	Masmadu-2-1-1-1-1-6-3-1	4.6	5.3	2.6	NG
72	SW 93D-313-17-Pop.49-S4-x-bulk-4-1-1-1-1-2-2-1-1	3.6	5.8	3.0	NG
73	EW-DMR-C1-C7-HS(SIB)-9-B-1-BB-B-B-1	4.8	4.8	3.8	NG
74	(SW1 B 73)TC1⊖-3-1-1-2-1-1-1-1---1-1	5.0	6.0	3.2	NG
75	Cargill-633-24-1-1-'b-1	5.9	5.2	3.5	NG
76	179-1-x-bulk-1-1-1-1-1-1-4	3.0	5.3	3.6	NG
77	SW-93D-313-17-Pop.49-S4-x-bulk-4-1-1-1-1-2-2-2	3.8	4.3	2.6	NG
78	SW-93D-313-17-Pop.49-S4-x-bulk-4-1-1-1-1-2-2-3	3.6	4.8	3.5	NG
79	SW-93D-313-1-Pop.49-S4-2-2-1-1-1–2-3-2-1	5.6	5.7	3.7	NG
80	SW-93D-313-1-Pop.49-S4-2-2-1-1-1–2-3-2-3	6.0	8.9	3.8	NG
81	P 501 C1 # 119-2-2-2-4-5-2-BB-1	4.3	6.5	4.1	NG
82	P 502 C1 # 771 -2-2-1-3-1-5-BB-4	7.0	9.0	4.2	2.0
83	CML 31 POB 27 C5 HC 117-1-4-B-ff-###-x-1-1-1	4.7	2.7	3.0	NG
84	CML 31 POB 27 C5 HC 117-1-4-B-ff-###-x-1-1-1	3.7	5.0	3.7	NG
85	CML 31 POB 27 C5 HC 117-1-4-B-ff-###-x-4-1-1-2	3.5	5.8	3.0	3.0
86	CM 117-3	5.4	4.9	3.5	NG
87	CM 133-3	4.6	7.8	4.6	NG
88	CML-85-BB-2	4.5	4.4	4.1	NG
89	CML-90-BB-1	4.1	5.6	3.6	NG
90	CML-111-BB-5	5.4	5.5	3.9	NG
91	AMATLCOHS 184-2-FIR-2-3-1-B-2	6.1	4.0	4.1	1.0
92	P 10.3011 F2-5-3-1-3-B-B-B-1	4.2	8.3	4.0	4.0
93	SW1(S) C11-42-1-B-B-1-3-B-B-B	4.8	2.6	NG	3.0
94	Pusa Comp.2 x bulk-2-1-1-2-4-1	6.1	8.0	3.4	3.2
95	239-1-x-bulk-1-xbulk-1-1-12-1-4	5.0	2.8	4.2	3.5
96	SW-DMR-91-145-1f-2-1-1-1-2-1-2-2-1-1	4.6	7.3	3.4	3.1
97	Masmadu 2-1-1-1-1-3-4-1	5.7	2.8	3.1	4.7
98	SW 93D-313-17-Pop.49-S4-x-bulk-4-1-1-1-1-2-2-1-1	3.6	2.6	3.1	2.0
99	CM-123-1-1	4.6	4.4	2.8	3.0
100	CML 381 (43*PORILLO843)-5-1-2-2-BB-f-###-x-1-1-2-1	5.2	7.2	3.5	6.3
101	EW-DMR-G1-C7-HS(SIB)-9-B-1-BB-B-B-1	6.6	3.0	3.2	6.5
102	SW-DMR-91-145-IP-2-1-1-1-2-2-1-1	7.0	5.9	3.1	6.6

Table 50

SL. NO	Pedigree	UDP	HYD	LUD	DMR
103	CM-500-2-3	7.6	6.7	3.1	5.0
104	PFSR-8-1	6.2	7.0	3.6	NG
105	PFSR-13-1	6.1	4.8	3.0	6.2
106	173-1-x-bulk-2-x-bulk-4-1-1-1-1-1	5.8	7.4	3.5	6.5
107	CM-117-2	6.6	6.6	3.2	6.3
108	CM-117-3	3.8	1.5	3.2	7.1
109	CM-118-6	5.8	9.0	3.2	5.3
110	CM-118-8	5.7	5.5	4.4	NG
111	CML-111-BB-6-1	3.7	5.8	3.3	3.2
112	CML-111-BB-6-2	6.2	NG	3.6	3.0
113	KT x 3752 F2-7-1-1-B-B-B-1	7.5	6.9	4.5	3.0
114	KT x 3752 F2-7-1-1-B-B-B-5	6.9	6.6	3.7	6.3
115	Hyd.2001 R 5201	5.1	5.7	3.3	2.0
116	Hyd.2001 R 5206	5.2	5.5	4.2	6.0
117	Hyd.2001 R 5207	3.8	7.1	3.1	1.3
118	Hyd.2001 R 5211	6.2	NG	3.3	2.0
119	Hyd.2001 R 5214	6.9	NG	3.4	6.3
120	Hyd.2001 R 5215	7.8	NG	3.8	2.0
121	Hyd.2001 R 5218	7.8	1.8	4.5	5.0
122	Hyd.2001 R 5219	5.8	3.5	3.8	5.0
123	Hyd.2001 R 5220	5.1	NG	4.6	5.2
124	Hyd.2001 R 5221	5.9	NG	3.6	7.5
125	Hyd.2001 R 5223	7.5	NG	NG	6.2
126	Hyd.2001 R 5224	2.8	2.4	3.4	5.0
127	Hyd.2001 R 5227	5.1	NG	3.5	2.0
128	Hyd.2001 R 5230	6.3	4.3	3.8	2.8
129	Hyd.2001 R 5240	6.1	3.5	3.4	2.0
130	Hyd.2001 R 5244	5.7	2.9	4.4	2.0
131	Hyd.2001 R 5245	3.9	7.1	3.2	2.0
132	Hyd.2001 R 5247	7.3	4.7	3.3	NG
133	Hyd.2001 R 5248	5.4	2.5	4.4	6.2
134	Hyd.2001 R 5250	7.4	6.6	4.4	6.0
135	Hyd.2001 R 5252	7.2	6.7	5.4	6.2
136	Hyd.2001 R 5254	6.5	3.9	3.5	2.0
137	Hyd.2001 R 5255	4.5	3.5	3.0	2.0
138	Hyd.2001 R 5256	3.4	4.0	2.5	NG
139	Hyd.2001 R 5258	5.2	4.1	3.6	NG
140	Hyd.2001 R 5260	6.7	6.1	3.6	3.2
141	Hyd.2001 R 5263	6.4	6.2	3.8	2.0
142	Hyd.2001 R 5264	6.1	NG	3.1	2.0
143	Hyd.2001 R 5266	4.8	5.7	3.9	NG
144	Hyd.2001 R 5267	5.6	7.3	4.2	0.0

Table 51 Evaluation of pools against PFSR at Delhi during 2002 K

S.No.	Pedigree	PFSR (1-9) DMR
1	PFSR (Y)-C1	1.0
2	PFSR (Y)-C0	4.5
3	PFSR (White)	6.6
4	Extra-early (White)	5.6
5	Indimyt-100	2.5
6	Indimyt-300	2.6
7	Indimyt-345	2.5

Table 52 Evaluation of materials of Dr. Sujay Rakshit against SDM at Mandya during 2002 K

S.No.	Pedigree	SDM (%) MAND	S.No.	Pedigree	SDM (%) MAND
1	404	100.0	45	440	100.0
2	405	94.8	46	441	100.0
3	406 B1	97.2	47	442	95.4
4	406 B2	96.9	48	443	100.0
5	407 B1	100.0	49	327	100.0
6	407 B2	96.4	50	342	100.0
7	408	100.0	51	353	100.0
8	409 B1	100.0	52	395	100.0
9	409 B2	100.0			
10	410	100.0			
	CM-500	100.0			
11	411	100.0			
12	412	100.0			
13	413	100.0			
14	414 B1	96.8			
15	414B2	100.0			
16	415	100.0			
17	416	100.0			
18	417	100.0			
19	418	100.0			
20	419	100.0			
	CM-500	100.0			
21	420	100.0			
22	421	97.2			
23	422	96.7			
24	423	88.5			
25	424	100.0			
26	425	96.5			
27	426	100.0			
28	427 AB1	10.0			
29	427 B2	100.0			
30	428	96.9			
	CM-500	100.0			
31	429	100.0			
32	430 B1	100.0			
33	430 B2	100.0			
34	431 B1	100.0			
35	431 B2	100.0			
36	432	100.0			
37	433	100.0			
38	434	10.0			
39	435	100.0			
40	436	100.0			
	CM-500	100.0			
41	437	100.0			
42	438 B1	10.0			
43	438 B2	100.0			
44	439	100.0			

Table 53 Evaluation of Nagenahallyl maize hybrids against downy mildew during 2002 K

SL. NO	Pedigree	SDM (%) MAND	SL. NO	edigree	SDM (%) MAND
1	NAH-1075	42.8	48	NAH-11	75.0
2	NAH-1100	7.1	49	NAH-20	40.0
3	NAH-1101	33.3	50	NAH-20	69.2
4	NAH-1108	60.0	51	NAH-20	57.9
5	NAH-1109	50.0	52	NAH-20	4.5
6	NAH-1110	21.4	53	NAH-20	41.2
7	NAH-1111	28.5	54	NAH-20	25.0
8	NAH-1112	12.5	55	D-103	100.0
9	NAH-1113	44.4	56	NAH-20	18.8
10	NAH-1114	21.4	57	NAH-20	56.2
11	PMZ-303	100.0	58	NAH-20	33.3
12	NAH-1124	18.2	59	NAH-20	50.0
13	NAH-1127	35.7	60	NAH-20	11.7
14	NAH-1133	71.4	61	NAH-20	56.2
15	NAH-1135	100.0	62	NAH-20	88.8
16	NAH-1136	26.6	63	NAH-20	35.3
17	NAH-1137	23.0	64	NAH-20	93.7
18	NAH-1140	40.0	65	NAH-20	94.1
19	NAH-1141	0.0	66	DMH-1	10.0
20	NAH-1142	26.6	67	NAH-20	81.2
21	NAH-1144	5.8	68	NAH-20	21.0
22	KH-9374	76.9	69	NAH-20	38.8
23	NAH-1146	5.9	70	NAH-20	29.4
24	NAH-1153	55.5	71	NAH-20	33.3
25	NAH-1155	42.1	72	NAH-20	16.6
26	NAH-1162	29.4	73	NAH-60	0.0
27	NAH-1163	21.4	74	NAH-20	26.3
28	NAH-1164	35.3	75	NAH-20	55.5
29	NAH-1165	5.9	76	NAH-20	13.3
30	NAH-116	62.5	77	NAH-20	41.1
31	NAH-1167	70.6	78	NAH-20	11.7
32	NAH-1168	75.0	79	NAH-20	7.7
33	AP-407	100.0	80	DMH-2	100.0
34	NAH-1170	35.7			
35	NAH-1171	94.4		CM-500	100.0
36	NAH-1174	40.0			
37	NAH-1176	23.5			
38	NAH-1178	56.2			
39	NAH-1179	26.6			
40	NAH-1180	37.5			
41	NAH-1181	58.8			
42	NAH-1182	18.7			
43	NAH-1184	21.0			
44	Kanka	80.0			
45	NAH-1185	36.8			
46	NAH-1186	76.4			
47	NAH-1190	36.8			

Table 54 Evaluation of Mandya maize hybrids against downy mildew during 2002 K

SL. NO	Pedigree	SDM (%) MAND
1	MAH-1187	50.0
2	MAH-1188	78.5
3	MAH-1189	31.2
4	MAH-1190	41.2
5	MAH-1191	50.0
6	MAH-1192	26.3
7	MAH-1193	64.7
8	MAH-1194	83.3
9	MAH-1195	33.3
10	MAH-1196	50.0
11	MAH-1197	61.1
12	MAH-1198	6.2
13	MAH-1199	11.7
14	MAH-1200	77.7
15	MAH-1201	88.2
16	MAH-1202	52.9
17	MAH-1203	92.8
18	MAH-1204	92.3
19	MAH-1205	53.3
20	MAH-1065	57.1
21	MAH-1068	37.5
22	MAH-1125	93.7
23	MAH-1103	100.0
24	MAH-1206	86.8
25	MAH-1207	70.5
	CM-500 (SC)	100.0

Table 55 Evaluation of MAI inbred lines against downy mildew during 2002 K

SL. NO		SDM (%) MAND
1	MAI-104	100.0
2	MAI-105	60.0
3	MAI-107	87.5
4	MAI-111	100.0
5	MAI-112	42.1
6	MAI-113	85.0
7	MAI-114	81.3
8	MAI-116	100.0
9	MAI-117	100.0
10	MAI-118	100.0
11	MAI-120	93.3
12	MAI-121	87.5
13	MAI-122	83.3
	CM-500 (SC)	100.0

Table 56 Evaluation of NAI inbred lines aginst downy mildew during 2002 K

SL. NO	Pedigree	SDM (%) MAND
1	NAI-108	100.0
2	NAI-109	NG
3	NAI-112	95.2
4	NAI--13	94.7
5	NAI-115	94.1
6	NAI-116	0.0
7	NAI-117	29.4
8	NAI-118	100.0
9	NAI-125	94.7
10	NAI-126	100.0
11	NAI-127	77.7
12	NAI-129	72.2
13	NAI-132	47.0
14	NAI-133	100.0
15	NAI-139	10.0
16	NAI-140	100.0
17	NAI-143	10.0
18	NAI-145	94.1
19	NAI-146	66.6
20	NAI-147	50.0
21	NAI-151	82.3
22	NAI-154	100.0
23	NAI-155	94.1
24	NAI-159	100.0
25	NAI-162	100.0
26	NAI-163	10.0
27	NAI-164	10.0
28	NAI-165	100.0
29	NAI-166	100.0
30	KUI-1411	70.0
31	KUI-1414A	100.0
32	CM-105	77.7
33	CM-111	100.0
34	CM-208	100.0
35	CM-211	100.0
36	CM-117	100.0
37	CM-131	100.0
38	CM-419	100.0
39	CM-432	100.0
40	TZBR(Y)C4	100.0
	CM-500 (SC)	100.0

Table 57 Evaluation of SKV lines aginst downy mildew during 2002 K

SL. NO	Pedigree	SDM (%) MAND	SL. NO	edigree	SDM (%) MAND
1	SKV-1	33.3	41	SKV-46	89.4
2	SKV-2	100.0	42	SKV-47	26.6
3	SKV-3	21.0	43	SKV-49	100.0
4	SKV-4	79.9	44	SKV-51	100.0
5	SKV-5	63.6	45	SKV-53	100.0
6	SKV-6	58.3	46	SKV-54	47.0
7	SKV-7	70.5	47	SKV-58	71.4
8	SKV-8	0.0	48	SKV-59	100.0
9	SKV-9	83.3	49	SKV-60	100.0
10	SKV-10	23.5	50	SKV-61	20.0
11	SKV-11	0.0	51	SKV-62	100.0
12	SKV-12	35.2	52	SKV-63	15.8
13	SKV-13	NG	53	SKV-65	17.6
14	SKV-14	57.9	54	SKV-66	52.6
15	SKV-15	0.0	55	SKV-67	100.0
16	SKV-17	27.7	56	SKV-70	47.4
17	SKV-19	40.0	57	SKV-71	100.0
18	SKV-20	100.0	58	SKV-72	5.2
19	SKV-21	84.2	59	SKV-74	100.0
20	SKV-22	52.6	60	SKV-75	100.0
21	SKV-23	50.0	61	SKV-76	100.0
22	SKV-24	80.9			
23	SKV-25	100.0		CM-500	100.0
24	SKV-26	95.4			
25	SKV-27	95.0			
26	SKV-28	95.2			
27	SKV-29	100.0			
28	SKV-30	100.0			
29	SKV-31	90.0			
30	SKV-33	45.0			
31	SKV-34	80.0			
32	SKV-35	10.0			
33	SKV-36	NG			
34	SKV-37	23.8			
35	SKV-39	90.0			
36	SKV-40	78.9			
37	SKV-42	25.0			
38	SKV-43	94.4			
39	SKV-44	66.6			
40	SKV-45	77.7			

Table 58 Evaluation of CIMMYT (sib) (Early) lines to SDM during 2002 K

SL. NO	Pedigree	SDM (%) MAND
1	3	100.0
2	4	35.0
3	5	25.0
4	6	35.0
5	7	42.1
6	8	0.0
7	9	26.3
8	10	0.0
9	17	100.0
10	19	95.2
11	20	100.0
12	21	100.0
13	22	46.1
14	24	17.6
15	27	100.0
16	28	100.0
17	29	72.7
18	30	100.0
19	33	69.2
20	34	75.0
21	35	100.0
22	36	100.0
23	37	100.0
24	38	100.0
25	39	100.0
26	41	31.2
27	42	11.7
28	43	23.5
29	44	0.0
30	45	20.0
31	46	40.0
32	47	42.8
	CM-500 (SC)	100.0

Table 59 Evaluation of CIMMYT (late) lines to SDM (sib)during 2002 K

SL. NO	edigree	SDM (%) MAND
1	2	0.0
2	5	0.0
3	6	86.6
4	7	23.5
5	9	20.0
6	10	30.7
7	12	50.0
8	13	42.8
9	14	95.0
10	15	44.4
11	16	50.0
12	17	66.6
13	18	11.7
14	19	70.0
15	20	5.5
16	21	15.8
17	22	66.6
18	23	42.1
19	25	70.0
20	28	0.0
21	29	20.0
22	33	0.0
23	36	37.5
24	37	0.0
25	38	0.0
26	40	0.0
27	42	45.5
28	44	20.0
29	45	12.5
30	47	8.3
	CM-500	100.0

Table 60 Evaluation of materials received from Dr. Sujay Rakshit against TLB at Nagenahlli during 2002 K

SL. NO	Pedigree	TLB (1-5) NAG
1	404	2.0
2	405	3.0
3	406 B1	2.5
4	406 B2	2.0
5	407 B1	4.5
6	407 B2	4.0
7	408	5.0
8	409 B1	5.0
9	409 B2	4.5
10	410	4.5
11	411	4.0
12	412	3.5
13	413	3.0
14	414 B1	3.0
15	414 B2	5.0
16	415	4.0
17	416	3.5
18	417	4.0
19	418	5.0
20	419	3.5
21	420	2.5
22	421	3.0
23	422	4.5
24	423	3.0
25	424	3.5
26	425	3.5
27	426	4.5
28	427 B1	2.0
29	427 B2	3.0
30	428	2.0
31	429	2.5
32	430 B1	3.0
33	430 B2	2.5
34	431 B1	5.0
35	431 B2	4.5
36	432	3.5
37	433	2.5
38	434	3.0
39	435	2.5
40	436	2.0
41	437	2.0
42	438 B1	2.0
43	438 B2	2.5
44	439	2.5
45	440	2.0
46	441	2.5
47	442	3.5
48	443	4.0
49	327	4.5
50	342	4.5
51	353	5.0
52	395	5.0
	MAI-120 (S	5.0

Table 61 Evaluation of inbred for isolation resistant and susceptible lines against TLB at Nagenahalli during 2002 K

SL. NO	Pedigree	LB (1-5) NAG
1	CM-104	2.0
2	CM-105	2.5
3	CM-126	4.5
4	CM-127	3.0
5	CM-128	5.0
6	CM-129	3.5
7	CM-212	4.0
8	CM-141	2.0
9	CM-145	3.5
10	V-25	5.0
	MAI-120	5.0

Table 62 Evaluation of maize inbred lines against TLB at Nagenahalli during 2002 K

SL. NO	Pedigree	TLB (1-5) NAG
1	NAI-102	1.5
2	NAI-104	1.0
3	NAI-109	1.5
4	NAI-112	1.0
5	NAI-113	1.0
6	NAI-114	1.0
7	NAI-116	1.0
8	NAI-117	1.5
9	NAI-118	2.0
10	NAI-123	1.5
11	NAI-124	1.5
12	NAI-125	1.0
13	NAI-126	1.0
14	NAI-127	1.0
15	NAI-128	2.0
16	NAI-130	1.5
17	NAI-132	1.5
18	NAI-133	1.5
19	NAI-135	1.0
20	NAI-137	1.0
21	NAI-138	2.0
22	NAI-139	1.5
23	NAI-140	2.0
24	NAI-141	1.5
25	NAI-142	1.5
26	NAI-143	1.5
27	NAI-145	1.0
28	NAI-146	1.5
29	NAI-147	2.0
30	NAI-148	1.5
31	NAI-149	1.5
32	NAI-151	1.5
33	NAI-152	1.5
34	NAI-155	1.0
35	NAI-156	1.0
36	NAI-158	2.0
37	NAI-159	1.5
38	NAI-160	1.5
39	NAI-161	2.0
40	NAI-162	3.0
41	NAI-163	2.5
42	NAI-164	2.0
43	NAI-165	2.0
44	NAI-167	1.5
45	KUI-1411	2.0
46	KUI-1414A	1.5
47	MO-17	1.5
48	Fla-Br-115	1.5
49	FI-55	1.5
50	H-4460-Ht3	2.0
51	CM-115	3.0
52	CM-117	1.5
53	CM-119	1.5
54	CM-122	3.0
55	CM-131	4.0
56	CM-205	2.5
57	CM-208	5.0
58	CM-209	5.0
59	CM-132	4.0
60	CM-101	3.5
61	NAI-154	2.0
62	MAI-104	2.0
63	MAI-105	2.0
64	MAI-112	1.5
65	MAI-113	2.5
66	MAI-114	3.0
	MAI-120(SC)	5.0

Table 63 Evaluation of CIMMYT lines against TLB during 2002 K

S.No.	Pedigree	TLB (1-5) NAG	S.No.	Pedigre	TLB (1-5) NAG
1	SKV-1	1.5	48	SKV-53	3.5
2	SKV-2	1.0	49	SKV-55	2.5
3	SKV-3	1.0	50	SKV-57	2.0
4	SKV-4	4.5	51	SKV-58	2.5
5	SKV-5	1.5	52	SKV-59	2.0
6	SKV-6	1.5	53	SKV-60	2.0
7	SKV-6	1.5	54	SKV-61	2.0
8	SKV-7	5.0	55	SKV-62	2.0
9	SKV-8	1.5	56	SKV-63	2.5
10	SKV-9	2.5	57	SKV-64	3.5
11	SKV-10	2.0	58	SKV-65	3.0
12	SKV-11	1.5	59	SKV-66	2.0
13	SKV-12	2.0	60	SKV-67	2.0
14	SKV-13	1.5	61	SKV-69	3.5
15	SKV-14	4.5	62	SKV-70	2.0
16	SKV-15	2.5	63	SKV-71	2.0
17	SKV-17	2.0	64	SKV-72	2.0
18	SKV-18	2.0	65	SKV-74	2.5
19	SKV-20	1.5	66	SKV-75	3.0
20	SKV-21	1.5	67	SKV-76	4.0
21	SKV-23	1.5	68	NAI-108	2.0
22	SKV-24	1.5	69	CM-114	2.0
23	SKV-25	1.5	70	ME-190	1.0
24	SKV-26	2.0	71	CA-003	2.0
25	SKV-27	1.5	72	CA-003	2.0
26	SKV-28	2.0	73	CA-003	1.5
27	SKV-30	1.5	74	CL-0283	3.5
28	SKV-31	2.0	75	CA-345	2.0
29	SKV-33	1.5	76	CA-345	1.5
30	SKV-34	2.0	77	CA-345	2.5
31	SKV-35	1.5	78	TOO-34	2.0
32	SKV-36	2.0	79	TOO-35	2.0
33	SKV-37	2.0	80	TOO-35	2.5
34	SKV-38	1.5	81	TOO-00	2.0
35	SKV-39	3.5	82	TOO-00	2.0
36	SKV-40	4.0	83	CA-003	2.0
37	SKV-42	2.5	84	CA-003	2.5
38	SKV-43	2.0	85	CA0033	2.0
39	SKV-44	3.0	86	TOO-S	2.0
40	SKV-45	2.0	87	CH-003	1.5
41	SKV-46	2.5	88	TOO-S	1.5
42	SKV-47	3.0	89	TOO-S	1.5
43	SKV-48	2.0			
44	SKV-49	1.5		MAI-120	5.0
45	SKV-50	2.0			
46	SKV-51	2.5			
47	SKV-52	2.5			

Table 64 Evaluation of white inbred lines against TLB during 2002 K

S.No.	Pedigre	TLB (1-5) NAG
1	NAI-601	2.0
2	NAI-607	2.0
3	NAI-608	2.5
4	NAI-609	2.0
5	NAI-614	2.0
6	NAI-615	2.0
7	NAI-617	1.5
8	NAI-620	1.5
9	NAI-624	2.0
10	NAI-627	2.0
11	NAI-632	1.5
12	NAI-635	1.5
13	NAI-637	1.5
14	NAI-639	2.0
15	GI-440	1.5
16	P-21	2.5
17	TZMI-10	2.0
18	CM-300	1.5
19	CM-400	2.0
20	CM-500	2.0
	MAI-120	5.0

MAIZE DISEASE SURVEY

During the cropping season *kharif* 2002, the disease survey were undertaken in maize growing areas of Rajasthan, Orissa, North Karnataka and Bihar.

In Rajasthan, during the cropping season, dry weather prevailed due to scanty rainfall, hence the disease incidence was very low. Downy mildew, stalk rot, Brown stripe downy mildew and Maydis leaf blight were recorded in traces whereas BLSB, curvularia leaf spot and Brown spot were recorded in severe form in Jhadol area.

In Bihar, districts Muzaffarpur, Samastipur, Vaishali, Begusarai and Darbhanga were surveyed. Foliar diseases MLB and BLSB were prevalent but the incidence varied from severe to moderate. Incidence of PFSR recorded in moderate conditions. Incidence of rust and ESR were severe in Dholi area.

In Orissa, districts Mayurbhanj and Keonjhar were surveyed and foliar diseases MLB and BLSB were prevalent. The incidences of BS, TLB and CLS were observed from low to moderate. Stalk rots were recorded in traces.

The incidence of TLB were high in Belgaum and Dharwad during August, C. rust was severe during October in Belgaum and moderate in other districts. MLB observed in traces in all the areas surveyed. A significant increase in the incidence of C. rust as compared to last year was noticed.

State	MLB	BLSB	DM	CLS	BS	TLB	RUST	PFSR	C. ROT	ESR	SR
Rajasthan	+	+++	+	+++	++	-	-	-	-	-	+
Orissa	+++	+++	-	++	+	++	-	-	+	-	+
Bihar	+++	+++	-	-	-	-	+++	+++	-	+++	+

Disease Incidence:

+	-	Low	CR	-	Common rust
++	-	Moderate	PFSR	-	Post-flowering stalk rot
+++	-	Severe	C. Rot	-	Charcoal rot
MLB	-	Maydis leaf blight	ESR	-	Erwinia stalk rot
BLSB	-	Banded leaf & Sheath blight	SR	-	Stalk rot
DM	-	Downy mildew			
CLS	-	Curuvularia leaf spot			
BS	-	Brown spot			
TLB	-	*Turcicum* leaf spot			

SUMMARY OF THE RESULTS OF THE WORK DONE DURING *KHARIF* 2002 UNDER

AICMIP – NEMATOLOGY AT UDAIPUR

CO-ORDINATED TRIALS:

1. **Varietal Screening:** Two hundred forty-three lines were received from DMR, New Delhi and tested against maize cyst nematode. Out of 243 lines tested, none showed resistance (0-4 cyst / plant). However, nineteen lines namely, DMR-423, 309, 328, 344, 368, 389, 391, 277, 286, 239, 149, 152, 163, 182, 192, 204, 118, 142 and DMR-107 showed moderate resistance (above 4 – 9 cyst / plant) and rest of the 224 lines were found susceptible to highly susceptible (above 9 cyst / plant) in reaction.
2. **Population Dynamics:** The studies on population dynamics to find out seasonal fluctuation of maize cyst nematode was undertaken with an aim to find out effect of host and non-host crops on the population.

   The results showed that the population of cyst as well as their content increases during *kharif* season with the age of maize crop (maximum being in October-November) and after harvest of crop it declines continuously till sowing of maize. Population of nematode declines significantly in hot sunny days (May-June).
3. **Survey:** Seventy-nine samples were collected from un-surveyed maize fields of Dabok (24) and RCA farm (55). The results showed 11.5 to 13.0 cyst / plant and 9.0 to 10.5 cyst / 100 cc soil being highest (13.0 cyst / plant and 10.5 cyst/100 cc soil) population of *H. zeae* from Dabok with 47.2 to 70.8% occurrence.

STATION TRIALS:

4. **Crop Loss:** This trial was conducted in an infested field having 8 cyst/100 cc soil using carbofuran @ 1.5 kg a.i./ha and neem cake @ 5 q/ha alongwith untreated check.

   The results showed 24.4 and 20.5% avoidable yield loss with 40.6 and 28.1% reduction in nematode population over check (19.2 cyst/plant) with the application of carbofuran and neem cake respectively.

5. **Management:**

   (A) **Field trial:** Field trial using neem cake and neem leaf @ 5 q/ha, carbofuran @ 1 kg a.i./ha as soil applicant and neem cake @ 10% w/w and carbosulfan @ 3% w/w as seed dressing alongwith untreated check were evaluated against *H. zeae* in field having 8 cyst/100 cc soil.

   The results showed maximum increase in yield (38.3%) with the application of carbofuran followed by neem cake @ 5 q/ha (33.2%) which were significantly higher over control (21.08 q/ha). Reduction in nematode population was significantly lower with carbofuran (38.3%) and carbosulfan (33.3%) over check (30 cyst/plant).

   (B) **Pot Experiment:**

   (i) Four organic amendments, namely neem cake, karanj cake, neem seed kernel, karanj seed kernel @ 10% and 5% w/w alongwith carbosulfan @ 3% w/w and untreated check were evaluated against maize cyst nematode as seed dressing treatment in pots containing 8 cyst/100 cc soil.

   Amongst organic amendments, neem seed kernel @ 10% w/w performed best giving 40.7% reduction in population over check followed by karanj seed karnel @ 10% w/w (38.8%). However, the

treated check i.e. carbosulfan was best among all treatments showing 48.1% reduction in population.

(ii) Three chemicals i.e. carbosulfan @ 3% w/w carbosulfan EC @ 0.1%, carbofuran @ 1.5 kg a.i./ha as soil applicant and neem leaf extract @ 10% alongwith untreated check were evaluated against *H. zeae* in pots having 8 cyst/100 cc soil.

The results showed maximum reduction (45.6%) in nematode population with the application of carbosulfan @ 3% w/w followed by carbofuran @ 1.5 kg a.i./ha (34.7%) and neem leaf extract @ 10% (28.2%) over check (11.50 cyst/plant).

Table 1 – Screening of maize entries / germplasms against maize cyst nematode, *Heterodera zeae* during *kharif*, 2002

Cyst /plant	Name of entries / germplasms
0 – 4 (Resistant)	NIL
Above 4 – 9 (Moderately Resistant)	DMR-423 (65 AET Full season maturity) DMR-309, 328, 344, 368, 389 and DMR-391 (66 AET Medium maturity) DMR-277 and DMR-286 (67 AET Early maturity) DMR-239 (68 AET Extra early maturity) DMR-149, 152 and DMR-163 (69 AET Full season maturity) DMR-182, 192 and DMR-204 (70 AET Medium maturity) DMR-118 (71 AET Medium maturity) DMR-142 (71 AET Early maturity) DMR-107 (72 AET Extra early maturity)
Above 9 (Susceptible)	**65 AET Full season maturity:** DMR-401, 402, 403, 404, 405, 406, 411, 412, 413, 414, 415, 416, 417, 441, 442, 443, 444, 445, 421, 422, 424, 425, 426, 427, 428, 429, 430, 431, 432 **66 AET Medium maturity:** DMR-301, 302, 303, 303A,304, 305, 306, 307, 308, 310, 311, 312, 313, 314, 315, 316, 317, 321, 322, 323, 324, 325, 326, 327, 329, 330, 331, 332, 333, 334, 341, 342, 343, 345, 346, 347, 348, 349, 350, 351, 352,353, 354, 355, 356, 357, 358, 359, 361, 362, 363, 364, 365, 366, 367, 369, 370, 371, 372, 381, 382, 383, 384, 385, 386, 387, 388, 390, 392, 393, 394, 395, 396, 397 **67 AET Early maturity:** DMR-251, 252, 253, 254, 255, 256, 257, 258 **67 AET Medium maturity:** DMR-261, 262, 263, 264, 265

	67 AET Extra early maturity: DMR-271, 272, 273, 274, 275, 276, 278, 279, 281, 282, 283, 284, 285, 287, 288 **68 AET Extra early maturity:** DMR-231, 232, 233, 236, 237, 238, 241, 242, 243, 244, 245 **69 AET Full season maturity:** DMR-146, 147, 148, 150, 151, 153, 154, 155, 156, 161, 162, 164, 165, 166, 167, 168, 169, 171, 172, 173, 174, 175 **70 AET Medium maturity:** DMR-181, 183, 184, 185, 186, 187, 188, 189, 190, 191, 201, 202, 203, 205, 206, 207, 208, 209, 211, 212, 212A, 213, 214, 215, 221, 222, 223, 224, 225, 226, 227, 228 **71 AET Medium maturity:** DMR-116, 117, 119, 120, 121 **71 AET Early maturity:** DMR-126, 127, 128, 129, 130, 131, 136, 137, 138, 139, 140, 141 **72 AET Extra early maturity:** DMR-101, 102, 103, 106, 108, 109, 110, 111, 112, 113, 114

No. of lines tested = 243

Initial population = 8 cyst/100 cc soil (112 E&L/cyst)

Date of sowing = 17-07-2002

Table 2 – Population dynamics of maize cyst nematode, *H. zeae*

Month	Soil population/100 cc soil		E&L/Cyst
	Cyst	Larvae	
January 2002	13	520	116.50
February 2002	13	430	121.00
March 2002	15	450	122.50
April 2002	16	510	128.25
May 2002	12	420	123.00
June 2002	10	400	112.50
July 2002	11	680	115.00
August 2002	12	740	119.00
September 2002	15	790	125.75
October 2002	20	805	138.25
November 2002	16	745	130.00
December 2002	14	600	121.00

Table 3 – Occurrence of maize cyst nematode, *Heterodera zeae* on maize during *kharif*, 2002

S.No	Places	No. of samples	No. of samples containing *H. zeae*	% Occurrence	Average population	
					Cyst/ plant	Cyst/ 100 cc soil
1.	Dabok	24	17	70.8	13.0	10.5
2.	RCA Farm	55	26	47.2	11.5	09.0

Total No. of samples = 79

Occurrence = 47.2 to 70.8%

Population range = 11.5 to 13.0 cyst / plant

09.0 to 10.5 cyst / 100 cc soil

Table 4 – Crop loss trial against *H. zeae* on maize during *kharif*, 2002 (Field trial)

Treatments	Grain yield			Nematode population	
	Q/ha	% increase over check	% avoidable loss	Cyst / plant	% reduction over check
Carbofuran 1.5 kg a.i./ha	20.09	32.2	24.4	11.4	40.6
Neem cake 5 q/ha	19.11	25.8	20.5	13.8	28.1
Check	15.19	-	-	19.2	-

Initial population = 8 cyst / 100 cc soil (112 E&L / cyst)

Variety = Ganga-2

Plot size = 25.5 m x 4 m strips

Date of sowing = 19-07-2002

Table 5 – Management of maize cyst nematode, *H. zeae* during *kharif*, 2002 (Field trial)

Treatments	Doses	Grain yield			Nematode population	
		Kg/plot	Q/ha	% increase over check	Cyst / plant	% reduction over check
Neem cake	5 q/ha	3.37	28.08	33.2	21.5	28.3
Neem leaf	5 q/ha	2.82	23.50	11.5	27.0	10.0
Carbofuran	1 kg a.i./ha	3.50	29.16	38.3	18.5	38.3
Neem cake	10% w/w	2.93	24.41	15.8	24.5	18.3
Carbosulfan	3% w/w	3.02	25.16	19.4	20.0	33.3
Check	-	2.53	21.08	-	30.0	-
SEm ± CD at 5%		0.261 0.822			2.406 7.253	

Initial population = 8 cyst / 100 cc soil (112 E&L / cyst)

Variety = Ganga-2

Plot size = 4 m x 3 m

Date of sowing = 19-07-2002

Table 6 – Management of maize cyst nematode through seed treatment with plant products during *kharif*, 2002 (Pot trial)

Treatments	Doses	Cyst/plant	% reduction over check
1. Neem cake	10% w/w	09.75	27.7
2. Neem cake	5% w/w	11.25	16.6
3. Karanj cake	10% w/w	10.00	25.9
4. Karanj cake	5% w/w	11.75	12.9
5. Neem seed kernel	10% w/w	08.00	40.7
6. Neem seed kernel	5% w/w	10.75	20.3
7. Karanj seed kernel	10% w/w	08.25	38.8
8. Karanj seed kernel	5% w/w	11.00	18.5
9. Carbosulfan 25 ST	3% w/w	07.00	48.1
10. Check	-	13.50	-

Note: Data are the average value of four replications

Initial population = 8 cyst / 100 cc soil (112 E&L / cyst)

Variety = Ganga-2

Pot size = 9"

Date of sowing = 09-08-2002

Table 7 – Management of maize cyst nematode during *kharif*, 2002 (Pot trails)

Treatments	Doses	Cyst/plant	% reduction over check
1. Carbosulfan 25 ST	3% w/w	06.25	45.6
2. Carbosulfan 25 EC	0.1% for 6 hrs	09.50	17.3
3. Neem leaf extract	10% for 6 hrs	08.25	28.2
4. Carbofuran	1.5 kg a.i./ha	07.50	34.7
5. Check	-	11.50	-

Note: Data are the average value of four replications

Initial population = 8 cyst / 100 cc soil (112 E&L / cyst)

Variety = Ganga-2

Pot size = 9"

Date of sowing = 13-08-2002

BIOCHEMISTRY AND QUALITY 2003

A. Performance of QPM materials (Hyd 2001R) with relation of non-zein /zein ratio

In QPM materials (hard endosperm opaque-2), not only limiting amino acids like lysine and tryptophan, are main parameters but their endosperm vitreousness and hardness which are related to storage protein-"zein", is equally responsible. This zein which contribute major protein fraction, is extremely deficient in lysine and tryptophan. Other metabolic and structural proteins have sufficient limiting amino acids. Therefore, in the present study fifteen QPM cultivars were evaluated for their total protein, their zein and tryptophan contents and also compared with that of normal-Vijay and chalky opaque-2- shakti. It was observed that most of the QPM cultivars showed ratio of non-zein to zein more than two having higher tryptophan also whereas ratio of non-zein to zein which is less than two have lower value of tryptophan as compared with pure opaque-2 and pure normal maize varieties respectively 8.8 and 1.3 (Table 1). From the above studies, it was concluded that ratio of non-zein/zein may be most important parameter for the screening of advance QPM materials. It cover not only protein quality but endosperm vitreosity and hardness also. Further studies are in progress.

Q-2

Table 1: Performance of QPM materials (Hyd 2001 R) with relation of Non-zein/zein ratio

S.N	Pedigree	Total protein (%)	Non-zein (%)	Zein (%)	Ratio of non-zein/ zein	Trypto -phan (g/16g N)	!00 kernel weight (g)
1.	SN Comp. Bulk SN S chain cross Bulk-⊗-12-1-B-B-DMR QPM-56-#	13.18	54.22	45.78	1.18	0.33	22.07
2.	28 full sib families (MS)8 HECC Bulk ⊗ -15-1-BB-DMR QPM-60-#	11.43	57.56	42.44	1.36	0.46	22.06
3	28 full sib families (MS)6 HECC bulk ⊗-1-4-BBBB-8-#-#	11.15	58.81	41.19	1.43	0.72	18.44
4.	Shakti(SO) HE 25 # CC Bulk 50% F-#-⊗-1-3-4-⊗ BBDMR-28-3-#	12.35	73.89	26.11	2.83	0.41	16.09
5.	CML-17	11.27	74.48	25.52	2.93	0.56	20.39
6.	Shakti SO/SN HE 25 # CC bulk 50%- F- #-#-10-3-B-1-B	13.89	71.26	28.74	2.48	0.62	14.34
7.	SO/SN Comp bulk 2 bulk SNS CC bulk 2⊗-16-4-BBBB	9.73	72.82	27.18	2.68	0.73	16.00
8.	28 Full sib families (MS)6 HE CCCC bulk-2-⊗-16-4-BBBB``	11.43	74.56	25.44	2.93	0.85	14.27
9.	DMR-QPM-58-⊗	11.56	74.39	25.61	2.90	0.66	17.88
10.	DMR-QPM-65-⊗	11.35	72.62	27.38	2.65	0.74	20.00
11	DMR-QPM-16-⊗	12.35	76.36	23.01	3.35	0.74	16.45
12	DMR-QPM-17-⊗	11.89	76.36	23.64	3.23	0.77	16.72
13	DMR-QPM-45-⊗	13.39	76.40	23.60	3.24	0.69	15.79
14.	DMR-QPM-28-5 ⊗	12.48	78.13	21.87	3.57	0.72	13.79
15.	Tuxpeno Carib HE/02-f-#-#-⊗-4-⊗	10.85	72.89	27.11	2.69	0.69	17.88
16.	Normal (Vijay)	9.80	56.67	43.33	1.3	0.49	23.40
17.	Opaque- 2 (Shakti)	10.20	89.78	10.22	8.8	0.88	18.3

B. Effect of different organic manure in storage protein and protein quality of *normal and QPM varieties*

Recently much attention being given to utilize organic manure. Therefore, in the present study four organic manure namely N60-P60 + paddy straw @ 3t/ha, N60-P60 + paddy straw @ 3 t/ha + A Awamori, N60+phospho compose @ 2t/ha and N60-P60 + phospho compose @ 2t/ha as given in Table 2 are used and compared with control using N60-P60 in normal (Ganga 5) and QPM (Shakti-1)varieties. It was observed for not only *non-zein/zein ratio but tryptophan contents also improve in all the organic manure when* compared with control. From the above study it was observed that utilization of organic manure may enhanced the protein quality. Further work is in progress.

Table 2. Storage protein and its impact on protein quality using different organic manure in QPM and normal maize varieties.

Treatment/ Different manure	Varieties	Total protein (%)	Non-zein (%)	Zein (%)	Ratio of non-zein/ zein	Trypto-phan (g/16gN)	!00 kernel weight(N)
Control (N60-P60)	Ganga-5 (normal)	10.10	55.19	44.81	1.23	0.41	21.08
	Shakti-1 (QPM)	9.00	61.94	38.06	1.62	0.47	18.59
N60- P60 + paddy straw @ 3t/ha	Ganga-5 (normal)	9.00	67.78	32.22	2.10	0.46	36.02
	Shakti-1 (QPM)	7.50	63.98	36.02	1.78	0.53	28.44
N60-P60 + paddy straw @ 3t/ha+ A. Awamori	Ganga-5 (normal)	8.40	70.10	29.90	2.34	0.47	32.17
	Shakti-1 (QPM)	9.00	69.81	30.19	2.31	0.55	25.14
N 60 + Phospho compose @2t/ha	Ganga-5 (normal)	9.30	61.05	38.95	1.57	0.43	27.16
	Shakti-1 (QPM	10.30	62.72	37.28	1.68	0.46	17.48
N60-P60 + Phospho compose @ 2t/ha	Ganga-5 (normal)	8.20	67.76	32.24	2.10	0.53	29.72
	Shakti-1 (QPM	8.50	67.65	32.35	2.09	0.61	19.30

C. Utilization of QPM for the value added food products

In developing countries, proper nutrition to the pre school children is of paramount importance to overcome the severe effect of protein malnutrition. Accordingly value added food products like BISCUSTS,, which command wide popularity, were prepared with QPM with and without processed defatted maize germ cake (PDMGC) supplementation and compared with wheat-maida biscuits as standard Table 3. As QPM having balance amino acids with higher protein: energy ratio to utilize more protein by the body, being developed world wide and PDMGC, byproduct of wet and dry milling having 24 good quality protein with higher biological value (more than casein), have been processed which have significant potential in human nutrition.

These biscuits were subjected for protein quality, IVPD, shelf life and organoleptic studies. QPM based biscuits was not only nutritionally superior but also found will accepted. With the supplementation of process defatted maize germ cake (by product of wet and dry milling), protein quality and quantity of the product further improved significantly. It possess not only potential for its nutritional application bet economical also. Although PDMGC supplemented biscuits required further improvement toward well accepted level by the consumers.

Table 3. Performance of QPM based biscuits

Products/materials	Protein (%)	Lysine (g/16g N)	Tryptophan (g/16gN)	IVPD (%)	Increase in acid value after 60 days (%)	Overall acceptability (organo-leptic test)
Wheat maida (100%) -A	9.81	2.19	0.32	97.49	100.00	4.46
Wheat maida + PDMGC (85:15) (B)	10.6	2.24	0.77	91.46	73.33	2.55
Wheat maida + QPM (60:40) (C)	10.09	2.76	0.58	89.51	96.01	3.36
Wheat maida + QPM + PDMGC (51:34:15) (D)	10.77	3.29	0.76	87.92	66.00	2.13

Rating:
1. dislike extremely
2. dislike moderately
3. neither like nor dislike
4. like moderately
5. like extremely

D. Evaluation of maize genotypes/materials for quality parameter

Protein, tryptophan, 100 kernel weight and specific gravity of trial No,. 1, 2, 3, 4, 5 (SCT-5) of 2002 kharif and advance trial, trial no. 4 AET Ist year full season maturity of 2001-2002, trial no. 5(AET Ist year medium maturity), trial no. 7 (AET,2nd year, full season), trial no. 8 (AET 2nd year medium maturity of 2001-2002 rabi), breeding material and material received from F. No. VT/GVT/2001/39 Godhra are given in table no. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15 respectively. Maximum and minimum values of each quality traits are also given in each table.

Table 4: Evaluation of maize germplasm for quality parameters (Trial No. 1, 2002 kharif).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR QPM -1	25.77	1.17	9.9	0.59
2.	DMR QPM –2	24.27	1.18	9.4	0.50
3.	DMR QPM –3	17.17	1.05	9.8	0.61
4.	DMR QPM –4	24.58	1.14	10.0	0.59
5.	DMR QPM –5	24.52	1.15	10.0	0.45
6.	DMR QPM –6	27.39	1.07	10.4	0.39
7.	DMR QPM –7	25.11	1.00	10.7	0.36
8.	DMR QPM –8	22.18	1.07	9.6	0.47
9.	DMR QPM –9	30.09	1.08	8.9	0.55
10.	DMR QPM –10	25.53	1.03	8.6	0.56
11.	DMR QPM –11	24.61	1.08	10.6	0.36
12.	DMR QPM –12	20.94	1.18	10.7	0.36
13.	DMR QPM –13	19.88	1.33	11.0	0.37
14.	DMR QPM –14	17.62	1.17	10.6	0.41
15.	DMR QPM –15	25.39	1.12	8.6	0.47
16.	DMR QPM –16	33.60	1.21	8.4	0.46
17.	DMR QPM -17	27.91	1.39	8.6	0.41
18.	DMR QPM –18	22.77	1.14	8.3	0.57
	Minimum	17.17	1.00	8.3	0.36
	Maximum	33.60	1.39	11.0	0.61

Table 5: Evaluation of maize germplasm for quality parameters (Trial No. 2, 2002 kharif).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR QPM-21	20.30	1.35	8.7	0.53
2.	DMR QPM-22	18.10	1.17	8.8	0.56
3.	DMR QPM-23	22.24	1.25	9.1	0.60
4.	DMR QPM-24	21.02	1.05	8.6	0.69
5.	DMR QPM-25	20.45	1.02	8.6	0.63
6.	DMR QPM-26	18.18	1.21	8.4	0.69
7.	DMR QPM-27	27.01	1.20	8.3	0.64
8.	DMR QPM-28	25.50	1.02	8.5	0.68
9.	DMR QPM-29	32.49	1.17	8.0	0.58
10.	DMR QPM-30	26.69	1.05	8.6	0.69
11.	DMR QPM-31	24.84	1.40	8.0	0.64
12.	DMR QPM-32	24.21	1.38	8.0	0.58
	Minimum	18.10	1.02	8.0	0.53
	Maximum	32.49	1.40	9.1	0.69

Table 6: Evaluation of maize germplasm for quality parameters (Trial No. 3, 2002 kharif).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR QPM –36	32.92	1.32	7.7	0.69
2.	DMR QPM –37	29.72	1.17	7.7	0.60
3.	DMR QPM –38	22.18	1.27	8.1	0.54
4.	DMR QPM –39	20.83	1.19	7.3	0.78
5.	DMR QPM –40	21.19	1.21	7.0	0.66
	Minimum	21.19	1.17	7.0	0.54
	Maximum	32.92	1.32	8..1	0.78

Table 7: Evaluation of maize germplasm for quality parameters (Trial No. 4, 2002 kharif).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR QPM –41	19.67	1.31	7.2	0.53
2.	DMR QPM –42	18.58	1.06	8.3	0.63
3.	DMR QPM –43	23.97	1.20	6.6	0.85
4.	DMR QPM –44	20.13	1.15	8.1	0.68
5.	DMR QPM –45	25.23	1.26	8.0	0.46
	Minimum	18.58	1.06	6.6	0.46
	Maximum	25.23	1.31	8.3	0.85

Table 8: Evaluation of maize germplasm for quality parameters (Trial No.5, SCT-5, 2002 kharif).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR SP-51	30.32	1.01	11.3	0.35
2.	DMR SP-52	24.74	1.24	11.0	0.32
3.	DMR SP-53	20.61	1.03	11.7	0.39
4.	DMR SP-54	24.83	1.09	11.2	0.50
5.	DMR SP-55	19.25	1.10	11.6	0.47
6.	DMR SP-56	22.05	0.98	12.0	0.50
7.	DMR SP-57	20.51	1.16	9.6	0.36
8.	DMR SP-58	24.46	1.09	10.8	0.42
9.	DMR SP-59	21.73	1.09	10.5	0.35
10.	DMR SP-60	23.62	1.14	11.6	0.33
11.	DMR SP-61	16.20	1.05	11.2	0.44
12.	DMR SP-62	24.88	1.11	10.0	0.50
13.	DMR SP-63	32.38	1.08	8.1	0.72
14.	DMR SP-64	19.01	1.12	8.5	0.39
15.	DMR SP-65	26.56	1.06	8.1	0.52
	Minimum	16.20.	0.98	8.1	0.32
	Maximum	32.38	1.24	12.0	0.72

Table 9: Evaluation of maize germplasm for quality parameters (Advance Trial Rabi, 2001-2002)

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	JH-6805	29.67	1.07	8.2	0.45
2	JH-6805 (W3xW4)	26.80	1.07	8.1	0.57
3	JH-7657 (W19xW20)	33.96	1.13	8.9	0.40
4	JH-7217 (W7xW8)	27.87	1.24	8.3	0.57
5	JH-7607 (W15x16)	28.95	1.04	8.1	0.49
6	Sheetal	23.62	1.18	7.2	0.65
	Minimum	23.62	1.04	7.2	0.40
	Maximum	33.96	1.24	8.9	0.65

Table 10: Evaluation of maize germplasm for quality parameters (Trial No.4 AET. Ist Yr. Full season maturity, 2001-2002 Rabi).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR-131	29.08	1.06	7.4	0.61
2.	DMR-132	26.78	1.34	8.0	0.50
3.	DMR-133	32.11	1.26	8.6	0.51
4.	DMR-134	24.28	1.39	7.9	0.57
5.	DMR-135	24.71	1.10	8.9	0.53
6.	DMR-136	25.67	1.28	7.4	0.66
7.	DMR-137	33.22	1.21	7.9	0.47
8.	DMR-138	30.66	1.11	8.7	0.64
9.	DMR-139	23.58	1.35	9.6	0.50
10.	DMR-140	26.49	1.18	10.3	0.43
11.	DMR-141	35.69	1.40	8.6	0.52
12.	Sheetal	25.63	1.28	8.6	0.60
	Minimum	23.58	1.06	7.4	0.43
	Maximum	35.69	1.40	10.3	0.66

Table 11: Evaluation of maize germplasm for quality parameters (Trial No.5, AET Ist year medium maturity 2001-2002 Rabi).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR- 151	27.11	1.36	8.4	0.58
2.	DMR -152	22.28	1.27	10.8	0.54
3.	DMR -153	25.75	1.29	9.5	0.58
4.	DMR -154	36.51	1.22	8.4	0.52
5.	DMR -155-	31.35	0.97	7.9	0.66
6.	DMR -156	27.32	1.21	7.6	0.68
7.	DMR -157	28.70	1.04	7.6	0.62
8.	DMR -158	20.52	1.17	7.9	0.58
9.	DMR -159	29.70	1.08	9.1	0.67
10.	DMR –160	37.14	1.07	8.4	0.56
11.	DMR –161	31.98	1.16	8.3	0.63.
12.	DMR –162	40.00	1.23	7.2	0.58
13.	DMR –163	34.18	1.14	7.2	0.56
14.	DMR –164	35.71	1.10	7.3	0.49
15.	DMR -165	25.44	1.12	8.1	0.44
16.	Sheetal	28.17	1.13	8.6	0.44
	Minimum	20.52	0.97	7.2	0.44
	Maximum	40.00	1.36	10.8	0.68

Table 12: Evaluation of maize germplasm for quality parameters (Trial No.7, AET 2nd year full season, 2001-2002 Rabi).

S.No.	Pedigree/code No.	100 kernel weight (g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR-111	33.29	1.11	7.3	0.64
2.	DMR-112	31.92	1.06	7.8	0.54
3.	DMR-113	21.97	1.10	7.7	0.49
4.	DMR-114	20.03	1.00	8.3	0.48
5.	DMR-115	22.83	1.11	7.5	0.56
6.	DMR-116	28.28	.1.41	7.5	0.73
7.	DMR-117	32.08	1.17	7.7	0.61
8.	Sheetal	30.92	1.24	7.3	0.49
	Minimum	20.03	1.00	7.3	0.48
	Maximum	33.29	1.14	8.3	0.73

Table 13: Evaluation of maize germplasm for quality parameters (Trial No.8, AET 2nd Year Medium maturity, 2001-2002 Rabi).

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	DMR-121	27.12	1.21	7.9	0.73
2.	DMR-122	31.52	1.22	8.5	0.71
3.	DMR-123	61.67	1.27	7.9	0.61
4.	DMR-124	27.48	1.32	7.7	0.58
5.	DMR-125	23.73	1.58	7.1	0.73
6.	DMR-126	26.84	1.31	7.6	0.63
7.	Sheetal	28.88	1.28	7.6	0.66
	Minimum	23.73	1.21	7.1	0.58
	Maximum	31.67	1.58	8.5	0.73

Table 14: Evaluation of maize germplasm for quality parameters (Breeding materials)

S.No.	Pedigree/code No.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Tryptophan (g/16gN)
1.	2591	17.80	1.02	9.1	0.64
2.	2596	20.06	1.00	8.5	0.69
3.	2597	19.09	1.09	8.8	0.69
4.	2599	19.07	1.07	7.3	0.77
5.	3001	21.49	1.07	9.8	0.60
6.	3006	17.89	1.04	9.1	0.65
7.	3009	17.88	1.02	10.1	0.59
8.	3010	14.79	0.99	9.9	0.50
9.	3019	14.26	1.14	9.2	0.65
10.	3026	16.06	1.07	8.8	0.69
11.	3027	16.39	0.94	9.1	0.68
12.	3037	17.75	1.18	8.8	0.66
	Minimum	14.26	0.94	7.3	0.50
	Maximum	21.49	1.18	10.1	0.77

Table 15: Evaluation of maize germplasm for quality parameters
F.No. GAU/GVT/2001/398/Godhra

S.No.	Pedigree.	100 kernel weight(g)	Specific Gravity (g/cc)	Protein (%)	Trypto-Phan (g/16gN)	% of oil (on db)
1.	GDRM-186-1	24.36	0.97	9.6	0.54	5.27
2.	GM-2	21.21	1.06	8.7	0.54	5.18
3.	Gm-4	30.28	0.97	9.7	0.57	4.90
	Minimum	21.21	0.97	8.7	0.54	4.91
	Maximum	30.28	1.06	9.7	0.57	5.27

Quality description of Quality Protein Maize (QPM) germplasm grown different maize stations 2002-2003 Rabi & Kharif

Evaluation of QPM maize germplasm received from CIMMYT India RWC, CG Block 2001K for quality analysis.

Ten germplasm received from CIMMYT India RWC Block for quality test, data presented in table no-16, % Protein ranged from 6.70 to 10.06 in QPM 111, Shaktiman-2 and QPM 108 CMS Q 9830184 respectively. Tryptophan (g/16g N) ranged from 0.68 to 0.80 in QPM 107 CM SQ 9830204 and QPM 111 Shaktiman-2 respectively, 100 Kernel weight ranged from 18.62 to 34.55 in QPM 104 CM SQ 993025W and 46.40 respectively and specific gravity ranged from 1.12 to 1.30 in QPM 102 CMS 993009 W and QPM 104 CMS Q 993025 W respectively.

Evaluation of QPM germplasm received from Hydrabad 2001K for % protein, Tryptophan (g/16gN), % oil, 100 Kernel weight and specific gravity tests

Nine QPM germplasm old and new seeds two type of seeds analysed for quality data presented in table no-17. Marginal difference in % protein, % try (g/16gN), % oil and specific gravity but this 100 kernel weight of the same seed was found to be more.

Evaluation of QPM germplams received from Banaras Hindu University, Varanasi-221005, for quality analysis 2001-02 *Rabi*.

Eight QPM germplasm analysed for % protein, try (g/16 g/N), 100 kernel weight and specific gravity data presented in table no-18. All the QPM material have high tryptophan compaired to check Ganga-11 and Deccan 103. % protein ranged from 6.25 to 10.10 in CML-176 X CML-177 and Deccan-103 respectively. % try/ (g/16gN) ranged from 0.45 to 0.93 in Ganga-11 and CML-186 X CML-176 respectively.

Evaluation of inbred lines selected for increase received from DMR, grown at Hyderabad 2001-2002 R for quality tests.

One hundred and five germplasm lines analysed for % protein, try (g/16 g/N), 100 kernel weight and specific gravity. Data presented in table no-19, 20, 21, 22. The protein ranged from 7.45 to 11.92 in Mod. Op x Shakti 50%-#-SN-f-#-#-#-#-2-9 and DMR QPM-18-⊗. % try. (g/16 g/N) ranged from 0.40 to 0.89 in Tuxpeno carib HE/02-f-#-#-⊗-4-⊗ and DMR QPM-20-10-⊗ (1-9). The 100 kernel weight range from 9.07 to 34 in check Ganga-1 and CML 167. The specific gravity range from 1.06 to 1.32 in DMR QPM-3-⊗ and Tuxpeno carib HE/02-f-#-#-⊗-4-⊗.

QPM germplasm received from Uchani, Karnal 2000 R and 2002 K, for quality test

Eighty-five QPM germplasm was analysed for quality test date presented in table no-23, 24 and 25. % Tryptophan ranged from 7.30 to 13.45 and 150 x 152 and 1348 try (g/16 g/N) ranged from 0.34 to 0.88 in 1101 and 20-2 (T)-2, 100 kernel weight ranged from 11.00 to 37.46 in 33-5-2 (1-2) and 142 x 150. Specific gravity ranged from 0.95 to 1.30 in 31-3 (+ENT-1A) and HM-4

Evaluation of QPM germplasm received from PAU, Ludhiana quality test 2002 K.

165 sample were analysed for % protein, try (g/16 g/N), 100 kernel weight and specific gravity. Data presented in table no-26 to 35.

Evaluation of QPM germplasm received from Vivekananda Parvatia Krishi Anusandhan Sansthan, Almora 2002 Kharif

Nine samples were analysed for % protein, try (g/16 g/N), 100 kernel weight and specific gravity. Data presented in Table no-36, 37. % protein ranged from 8.15 to 11.26 in BISCO 203 and Surya, % Tryptophan in 16 g of N ranged from 0.45 to 0.66 in Surya and BISCO 2003. 100 kernel weight ranged from 22 to 30.80 in BISCO 203 and PEHM 2 and specific gravity ranged from 1.18 to 1.28 in PEHM 2 and BISCO.

Evaluation of QPM germplasm grown at PAU Ludhiana 2002 Kharif for Amylose, Starch and Amylopectin estimation

Thirty seven material were analysed for Amylose, Starch and Amylopectin. Results are presented in table no-38, 39, 40.

Evaluation of QPM germplasm grown at Hydrabad 2001 Kharif for Amylose, Starch and Amylopectin estimation

Nine amylose extender lines and three waxy lines were analysed for Amylose, Starch and Amylopectin. Results are presented in table no-41, 42.

Evaluation of ae lines from Uchani, Karnal, 2002 K for Amylose, Starch and Amylopectin estimation

Seven ae lines were analysed for Amylose, Starch and Amylopectin. Results are presented in table no-43.

High oil germplasm received from Uchani (Karnal) *Rabi*-2000 for oil estimation

Nineteen oil germplasm was anlaysed for oil content on dry basis ranged from 3.50 to 6.70 in shahad-2-2 and TAL (P) (F)-4. Data presented in table no-44.

High oil germplasm received from DMR grown at Hydrabad for oil estimation

Eighteen germplasm was analysed for oil content on dry basis ranged from 4.22 to 10.50 in R802 A-#-#-13-#-⊗ and THAI composite DMR-#-1-⊗-⊗ date presented in table no-45, 46.

Sweet corn germplasm received from Vivekananda Parvatia Krishi Anusandhan Sansthan, Almora 2002 K

Eight sweet corn germplasm was analysed for total sugar % sugar ranged from 7.68 to 22.89 in ZA WIN SWEET CORN-I and JC (SWEET CORN) 8 these date presented in table no- 47.

Table-16 Analysis for Quality Parameters received from CIMMYT India RWC, CG Block, Ground Floor, NASS Centre, DPS Marg, Pusa Campus, New Delhi-110012, India

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	QPM AS 101 CMSQ 983037 W	7.67	0.78	27.38	1.24
2.	QPM 102 CMS 993009 W	7.30	0.74	22.41	1.12
3.	QPM 103 CMSQ 9930017 W	8.00	0.78	31.45	1.20
4.	QPM 104 CMSQ 993025 W	8.64	0.74	18.62	1.30
5.	QPM 105 CMSQ 983012 Y	8.34	0.75	23.10	1.21
6.	QPM 106 CMSQ 983022 Y	8.93	0.68	24.24	1.21
7.	QPM 107 CMSQ 983020 Y	8.85	0.71	26.10	1.24
8.	QPM 108 CMSQ 983018 Y	10.06	0.68	19.77	1.23
9.	4640	7.85	0.74	34.55	1.15
10.	QPM 111 Shaktiman-2	6.70	0.80	26.23	1.25
	Maximum	10.06	0.80	34.55	1.30
	Minimum	6.70	0.68	18.62	1.12

Table-17 QPM germplasm received from Hydrabad For protein Tryptophan & oil estimation of old and new seed 2001 *Kharif*

S.No	Pedigree	% Protein		Try (g/16g N)		% Oil		100 Kernel wt.		Sp. Gravity	
		Old	New	Old	New	Old	New	Old	New	Old	New
1.	P1	11.60	11.03	0.54	0.55	5.00	5.16	22.91	21.15	1.14	1.20
2.	P2	10.30	11.10	0.68	0.63	4.94	5.22	32.70	25.48	1.30	1.27
3.	P3	11.23	11.39	0.62	0.60	4.00	4.00	24.32	29.42	1.21	1.13
4.	P4	11.00	11.17	0.56	0.57	5.11	5.66	31.56	18.20	1.21	1.21
5.	P6	11.64	11.81	0.69	0.60	6.10	6.21	31.66	25.76	1.26	1.28
6.	P7	9.98	10.43	0.62	0.60	6.59	5.85	28.50	26.77	1.14	1.16
7.	P8	11.65	12.26	0.52	0.55	4.32	4.16	20.90	20.69	1.30	1.15
8.	P9	8.72	8.79	0.78	0.77	5.27	4.94	20.15	19.21	1.25	1.28
9.	P10	11.48	11.32	0.56	0.55	5.00	4.96	33.22	26.22	1.20	1.19
	Maximum	11.65	12.26	0.78	0.77	6.59	6.21	33.22	29.42	1.30	1.28
	Minimum	8.72	8.79	0.52	0.55	4.00	4.00	20.15	18.20	1.14	1.13

Table-18 Department of Genetics & Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005, for quality analysis QPM Material 2001-02 *Rabi*.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	CML-142 X CML-150	6.70	0.79	32.50	1.08
2.	CML-176 X CML-186	7.00	0.93	34.20	1.14
3.	CML-175 X CML-176	7.15	0.78	32.80	1.09
4.	CML-176 X CML-177	6.25	0.94	28.20	1.16
5.	KH-510	9.53	0.56	38.00	1.08
6.	Shakti-1	6.40	0.83	29.00	1.16
7.	Ganga-11	10.35	0.45	34.00	1.13
8.	Deccan-103	10.10	0.50	31.60	1.13
	Maximum	10.35	0.94	38.00	1.16
	Minimum	6.25	0.45	28.20	1.08

Table:19 Inbred selected on the basis of trial performance for increase for quality analysis received from DMR, Grown at Hyderabad 2001-2002 R.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	Shakti SO/SN HE 25 # CC Bulk 50%-f-⊗-10-3-B-2-B-#-⊗	9.05	0.73	19.07	1.19
2.	SO/SN Comp. bulk –2 bulk SN^5 CC bulk-2-⊗-16-4-BBBB–#-⊗	9.60	0.62	18.50	1.23
3.	Shakti SO/SN HE 25 # CC Bulk 50%-f-⊗-10-3-B-1-B-#-⊗	9.00	0.64	19.04	1.26
4.	Zhong Dan 7409 (QPM)-#-#-7-#-#	8.86	0.70	18.50	1.23
5.	SO/SN Comp. bulk–2 bulk SN^5 CC bulk-⊗-12-1-BB-DMR QPM–56-#	10.05	0.55	22.24	1.11
6.	28 full sib families MS^6 HE CC bulk ⊗-15-1-BB-DMR QPM–60-#	9.08	0.64	19.68	1.31
7.	28 full sib families MS^6 HE CC bulk ⊗-1-4-BBBBB-#-#	9.46	0.80	19.20	1.20
8.	28 full sib families MS^6 HE CC bulk ⊗-1-4-BBBBB-10-#-#	9.38	0.69	17.61	1.17
9.	28 full sib families MS^6 HE CC bulk ⊗-1-4-BBBBB-17-#-#	8.49	0.64	20.31	1.26
10.	28 full sib families MS^6 HE CC bulk ⊗-6-3-B-1-⊗-BB-DMR QPM-20-11-#	9.61	0.64	18.42	1.22
11.	28 full sib families MS^6 HE CC bulk ⊗-6-3-B-1-⊗-BB-DMR QPM-20-#	8.49	0.88	18.09	1.20

12.	28 full sib families MS ^{6} HE CC bulk ⊗-3-B-1-⊗-BB-DMR QPM-20-12-#	10.87	0.79	16.00	1.23
13.	28 full sib families MS ^{6} HE CC bulk ⊗-6-3-B-1-⊗-BB-DMR QPM-20-27-#	10.20	0.64	21.08	1.17
14.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-1-3-4-⊗-BB-DMR-28-3-#	9.90	0.74	17.43	1.16
15.	SO/SN bulk –2 bulk SN^{5} CC bulk-16-4-B-7-B-#-⊗X Shakti SO/SN HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-2-B-#-⊗	9.80	0.57	21.80	1.21
16.	SO/SN Comp bulk 2 bulk SN^{5} CC bulk-⊗-16-4-BBBB-#-⊗X Shakti SO/SN HE 25 # CC Bulk 50%-f-⊗-10-3-B-1-B-#-⊗	9.85	0.58	22.00	1.22
17.	Check Ganga-11	10.35	0.45	34.00	1.13
	Maximum	10.87	0.88	34.00	1.31
	Minimum	8.49	0.45	16.00	1.11

Table: 20 Evaluation of elite SO/SN composite on the basis of High tryptophan received from DMR, Grown at Hyderabad 2001-2002 R.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	Shakti (SO) HS 250 # CC Bulk 25-f-####-1-8	-	-	23.72	1.18
2.	Shakti (SO) HS 250 # CC Bulk 25-f-####-9-16	8.89	0.81	22.68	1.19
3.	Shakti (SO) HS 250 # CC Bulk 25-f-####-18-24	8.20	0.85	22.51	1.12
4.	Shakti (SO) HS 250 # CC Bulk 25-f-#####-25-31	9.11	0.87	25.00	1.25
5.	White O_2P_4 Full sib families bulk Bulk Chain Cross-f-####-1-5	9.84	0.84	21.24	1.11
6.	White O_2P_4 Full sib families bulk Bulk Chain Cross -f-####-6-10	8.04	0.81	22.74	1.13
7.	Mod. OP x Shakti 50%-#-SN-f-####-2-9	7.45	0.85	21.46	1.19
8.	Mod. OP x Shakti 50%-#-SN-f-####-10-17	9.01	0.81	20.67	1.14
9.	Rattan 27 SN CC bulk-f-##-1-9	8.94	0.76	21.78	1.21

10.	Rattan 27 SN CC bulk-f-##-10-16	10.28	0.67	22.08	1.22
11.	Rattan 27 SN CC bulk-f-##-17-23	9.23	0.75	23.70	1.18
12.	Check Ganga-11	10.35	0.45	34.00	1.13
	Maximum	10.35	0.87	34.00	1.25
	Minimum	7.45	0.45	20.67	1.11

Table-21 Inbred lines for increase received from DMR, Grown at Hyderabad 2001-02 R.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	CML 162	9.08	0.87	16.06	1.23
2.	CML 162	9.34	0.84	15.52	1.19
3.	CML 171	8.80	0.78	20.43	1.20
4.	CML 172	7.52	0.89	18.53	1.23
5.	CML 189	7.52	0.88	16.64	1.24
6.	CML 193	8.75	0.82	18.74	1.24
7.	CML 193	8.20	0.67	17.36	1.15
8.	CML 163	9.53	0.59	19.74	1.31
9.	CML 163	8.10	0.77	19.70	1.23
10.	CML 170	8.82	0.87	14.70	1.22
11.	CML 194	9.16	0.77	23.68	1.18
12.	CML 167	9.40	0.84	9.07	1.29
13.	CML 191	10.57	0.77	12.92	1.07
14.	Shakti SO/SN HE 25 # CC Bulk 50%-f-##-10-3-B-1-B	11.62	0.60	15.04	1.25
15.	SO/SN Comp. Bulk 2 Bulk SN^5 CC bulk 2-⊗-16-4-BBBB	7.89	0.63	17.48	1.16
16.	28 full sib families MS 6 HE cc bulk2 ⊗-16-4-BBBB	7.89	0.72	16.42	1.17
17.	28 full sib families MS 6 HE cc bulk ⊗-1-4-BBBBB-17 (1-8)	9.98	0.69	19.28	1.20
18.	28 full sib families MS 6 HE cc bulk ⊗-1-4-BBBBB-17 (9-16)	10.95	0.49	19.12	1.19
19.	28 full sib families MS 6 HE cc bulk ⊗-1-4-BBBBB-17 (17-24)	10.05	0.83	21.71	1.08
20.	28 full sib families MS 6 HE cc bulk ⊗-6-3-B-1-⊗-BB-DMR QPM 20-12 (1-8)	10.80	0.64	19.37	1.21
21.	28 full sib families MS 6 HE cc bulk ⊗-6-3-B-1-⊗-BB-DMR QPM 20-12 (9-16)	9.08	0.86	17.36	1.15

22.	28 full sib families MS 6 HE cc bulk ⊗-6-3-B-1-⊗-BB-DMR QPM 20-12 (17-24)	9.83	0.63	18.94	1.26
23.	DMR QPM –58-⊗	8.94	0.67	18.83	1.25
24.	DMR QPM –60-⊗	10.20	0.57	19.02	1.18
25.	DMR QPM –68-⊗	9.23	0.80	12.80	1.06
26.	DMR QPM –65-⊗	-	-	18.86	1.25
27.	DMR QPM –72-⊗	9.68	0.75	16.91	1.12
28.	DMR QPM –75-⊗	10.43	0.59	19.85	1.24
29.	DMR QPM –3-⊗	10.13	0.63	17.02	1.06
30.	DMR QPM –16-⊗	11.62	0.70	17.20	1.14
31.	DMR QPM –17-⊗	9.83	0.85	16.57	1.10
32.	DMR QPM –18-⊗	11.92	0.56	17.02	1.13
33.	DMR QPM –74-⊗	10.72	0.52	18.38	1.22
34.	DMR QPM –28-⊗	10.50	0.62	18.56	1.16
35.	DMR QPM –17-⊗	10.57	0.61	16.44	1.09
36.	DMR QPM –41-⊗	10.43	0.79	20.76	1.15
37.	DMR QPM –45-⊗	11.32	0.74	15.75	1.12
38.	DMR QPM –53-⊗	9.38	0.87	23.33	1.16
39.	DMR QPM –20-1-⊗ (1-5)	9.56	0.87	19.64	1.22
40.	DMR QPM –20-1-⊗ (6-10)	-	-	18.60	1.24
41.	DMR QPM –20-1-⊗ (11-16)	9.01	0.74	18.97	1.11
42.	DMR QPM –20-10-⊗ (1-7)	9.49	0.89	17.55	1.25
43.	DMR QPM –20-10-⊗ (8-14)	9.45	0.88	15.18	1.16
44.	DMR QPM –28-5-⊗	11.69	0.53	13.03	1.08
45.	Tuxpeno carib HE/02-f-##-⊗-4-⊗	8.94	0.40	19.86	1.32
46.	Tuxpeno carib HE/02-f-##-⊗-30-⊗ (1-8)	8.34	0.81	23.82	1.19
47.	Tuxpeno carib HE/02-f-##-⊗-30-⊗ (9-15)	8.94	0.79	18.03	1.20
48.	Tuxpeno carib HE/02-f-##-⊗-31-⊗ (1-2)	9.01	0.84	13.22	1.10
49	Check Ganga-11	10.35	0.45	34.00	1.13
	Maximum	11.92	0.89	34.00	1.32
	Minimum	7.52	0.40	9.07	1.06

Table-22 Elite Inbred lines for increase (Parents of Diallele) received from DMR, Grown at Hyderabad 2001-02 R.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-2-#-⊗ (1-8)	9.45	0.87	14.69	1.22
2.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-2-#-⊗ (9-15)	10.57	0.74	16.11	1.24
3.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-3-#-⊗ (1-10)	11.10	0.74	19.81	1.32
4.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-3-#-⊗ (11-20)	9.98	0.85	18.45	1.23
5.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-13-#-⊗ (1-8)	9.31	0.85	16.26	1.23
6.	28 full sib families (MS)^6 HE CC bulk ⊗-1-4-BBBB-⊗-14-#-⊗ (1-10)	11.10	0.72	12.57	1.25
7.	SN Comp. Bulk-2 bulk SN^5 CC. Bulk-⊗-16-4-BBBB-1-#-⊗ (1-5)	10.65	0.77	25.58	1.22
8.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-1-B-#-⊗	10.50	0.72	23.62	1.18
9.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-2-B-#-⊗ (1-6)	9.46	0.76	18.08	1.20
10.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-2-B-#-⊗ (7-2)	9.61	0.73	20.22	1.26
11.	SN Comp. Bulk-2 bulk SN^5 CC. Bulk-⊗-16-4-B-7-B-#-⊗ (1-6)	9.46	0.71	20.76	1.15
12.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-6-2-B-4-#-⊗ (1-8)	10.87	0.65	19.26	1.28
13.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-6-2-B-4-#-⊗ (9-15)	11.69	0.65	18.38	1.22
14.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-1-B-#-⊗	10.28	0.71	20.18	1.26
15.	Shakti (SO) HE 25 # CC Bulk 50%-f-#-⊗-10-3-B-2-B-#-⊗	9.90	0.77	17.60	1.17
13	Check Ganga-11	10.35	0.45	34.00	1.13
14	Maximum	11.69	0.87	34.00	1.32
	Minimum	9.31	0.45	12.57	1.15

Table-23 Quality analysis of QPM maize lines received from Uchani (Karnal) 2000 *Rabi*

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	2-1-1-1	9.75	0.60	15.09	1.16
2.	2-1-2-3	9.31	0.83	11.95	1.19
3.	4-1-1-2	11.10	0.67	13.42	1.11
4.	4-5-1	9.75	0.74	24.22	1.21
5.	4-5-2	11.20	0.62	20.95	1.16
6.	4-5-1-3	10.95	0.70	16.02	1.06
7.	10-1-1(1-4)	9.98	0.71	14.62	1.12
8.	10-2-1-1(1+2)	10.13	0.74	20.39	1.13
9.	11-1-2 (1-3)	9.83	0.60	11.50	1.00
10.	11-1-1-3	9.53	0.71	13.80	1.15
11.	11-1-1(1-5)	10.95	0.51	16.04	1.06
12.	14-1(1+2+3)	7.89	0.76	17.10	1.14
13.	14-1(1+2+3)-8	12.44	0.55	13.94	1.16
14.	15-2-1 (1+3)	11.40	0.58	30.12	1.20
15.	15-2-2 (1-3)	12.40	0.47	22.76	1.13
16.	17-1-1	9.80	0.76	18.07	1.20
17.	17-2 (1+2)(1-4)	10.20	0.64	13.94	1.16
18.	18-1-1	10.50	0.61	13.88	1.06
19.	20-2 (T)-1	10.72	0.66	11.80	1.18
20.	20-2 (T)-2	7.45	0.88	12.99	1.28
21.	26-2-3 (1-4)-1	10.80	0.57	21.75	1.08
22.	27-3-1 (1+2)	10.13	0.60	23.47	1.17
23.	31-2 (2+4)	10.20	0.71	15.10	1.19
24.	31-3 (+ eNT)-1	9.75	0.70	14.54	1.11
25.	31-3 (1-3)	9.40	0.72	13.38	1.11
26.	31-3-1 (1-3)	9.53	0.71	14.66	1.12
27.	31-3 (+eNT)-4	10.20	0.62	13.05	1.08
28.	31-3-2 (1+2)	10.20	0.67	15.51	1.10
29.	31-3 (+eNT)-1A	8.85	0.75	11.47	0.95
30.	31-3-2-3	10.20	0.60	12.90	1.29
31.	31-3(1-4)-3	10.87	0.61	12.96	1.08
32.	31-3 (+eNT)-(1-2)	9.23	0.66	13.69	1.14
33.	32-3-2	10.35	0.62	15.09	1.00
34.	33-5-2(1-2)	11.20	0.63	11.00	1.10
35.	33-5-3(1+2)	10.87	0.66	16.19	1.07
36.	33-5-2(1-2)-1	8.71	0.57	25.23	1.14
37.	35 (1-2)	10.20	0.69	11.72	1.06
38.	36-1	12.40	0.54	16.56	1.10
39.	161	9.23	0.61	28.29	1.13
40.	163	7.60	0.67	24.63	1.12

41.	170 (1+2)	8.50	0.76	22.70	1.13
42.	171	9.01	0.63	16.67	1.11
43.	172	9.01	0.59	20.20	1.12
44.	191	10.21	0.61	15.55	1.19
45.	193-1(1-2) TB	9.24	0.63	22.22	1.11
46.	193-1(3-5) TB	9.46	0.62	21.85	1.09
47.	193-2	8.72	0.57	19.76	1.23
48.	164 (Bulk)	8.20	0.73	25.93	1.17
49.	164	9.31	0.70	25.83	1.10
50.	Check Ganga-11	10.35	0.45	34.00	1.13
	Maximum	12.44	0.88	34.00	1.29
	Minimum	7.45	0.45	11.00	0.95

Table-24 Conversion programme of QPM received from Uchani (Karnal), 2000 *Rabi*

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	139-2 X 34	10.20	0.55	20.76	1.03
2.	139-6-2 X 34	9.61	0.67	18.58	1.16
3.	139-6-4 X 34	10.95	0.58	17.66	1.17
4.	368-2 X 35	10.88	0.61	17.64	1.17
5.	368-3 X 35	11.92	0.49	11.62	1.05
6.	368-1-1 X 35 X 35	12.66	0.55	10.96	1.09
7.	368-2 X 35 X 35	13.85	0.50	10.16	1.01
8.	368-1 X 36 X 36	-	-	17.24	1.07
9.	368-2 X 36 X 36	12.66	0.47	21.21	1.06
10.	368-3 X 36 X 36	10.65	0.61	19.08	1.12
11.	536-2 X 33 X 33	10.73	0.58	21.11	1.05
12.	536-1 X 33	9.83	0.66	20.57	1.08
13.	536-2-1 X 34	10.65	0.65	18.10	1.13
14.	536-2-2 X 34	8.79	0.64	17.13	1.07
15.	586-2 X 33	12.07	0.55	25.71	1.16
16.	586-2 X 33 X 33	10.50	0.65	20.42	1.13
17.	193-2 X 163 HYBRID (+)	8.42	0.82	37.46	1.07
18.	142 X 150	7.59	0.82	28.84	1.15
19.	150 X 142	7.30	0.88	32.50	1.08
	Maximum	13.85	0.88	37.46	1.17
	Minimum	7.30	0.47	10.16	1.01

Table: 25 Evaluation of QPM germplasm for quality test received from Uchani, Kernal 2002 K

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	295	12.81	0.43	19.40	1.21
2.	323	13.41	0.37	19.40	1.21
3.	335	13.26	0.34	28.50	1.14
4.	488	12.66	0.37	17.30	1.23
5.	536	12.23	0.34	22.20	1.23
6.	1101	11.65	0.40	29.10	1.17
7.	1105	12.76	0.36	27.60	1.22
8.	1344	11.31	0.45	29.20	1.16
9.	1348	13.45	0.36	28.40	1.13
10.	HHM-1	10.25	0.51	31.00	1.24
11.	HHM-2	10.89	0.50	25.50	1.27
12.	HHM-5	11.23	0.48	18.80	1.25
13.	HHM-7	11.63	0.44	31.70	1.22
14.	HM-4	11.00	0.44	26.00	1.30
15.	2WHH	9.68	0.41	26.20	1.19
16.	161-1-1-2	11.22	0.66	24.20	1.21
17.	163-1-2-4	10.12	0.57	19.50	1.30
18.	170-1	10.73	0.80	23.50	1.17
19.	193-1-1	10.25	0.53	19.70	1.28
20.	194-1-2	10.58	0.67	23.80	1.19
21.	HQPM-1	9.50	0.78	26.50	1.20
22.	HQPM-2	10.95	0.58	29.80	1.19
23.	HQPM-7	10.33	0.83	28.70	1.19
24.	HQPM-8	9.32	0.67	29.30	1.13
25.	HQPM-9	8.93	0.69	30.00	1.20
	Maximum	13.45	0.83	31.70	1.30
	Minimum	8.93	0.34	17.30	1.13

Table: 26 Evaluation of Trial No-QPM-1 material received from PAU Ludhiana 2002 K.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	J H - QPM - 15	9.34	0.66	25.30	1.26
2.	J H - QPM - 29	9.84	0.64	22.85	1.14
3.	J H - QPM - 42	10.28	0.56	27.56	1.10
4.	J H - QPM - 78	9.17	0.63	21.57	1.23
5.	J H - QPM - 79	8.56	0.60	19.98	1.29
6.	J H - QPM - 80	10.54	0.55	25.24	1.26
7.	J H - QPM - 81	7.93	0.60	23.72	1.18
8.	HQPM - 1	8.18	0.72	25.74	1.26
9.	9 Filler DQPMC1-810	9.85	0.52	18.02	1.20
10.	10 Filler DQPMC1	9.27	0.60	20.61	1.27
11.	B-QPMH - 12	10.45	0.55	25.19	1.25
12.	B-QPMH - 024	9.99	0.58	20.94	1.25
13.	B-QPMH - 31	10.01	0.47	27.93	1.32
14.	B-QPMH - 32	8.68	0.66	27.68	1.31
15.	B-QPMH - 33	8.36	0.56	23.92	1.19
16.	SHAKTIMAN - 1	10.90	0.53	20.00	1.25
17.	GANGA - 11	11.57	0.45	20.04	1.25
18.	SHAKTI - 1	8.34	0.97	25.07	1.26
	Maximum	11.57	0.97	27.93	1.32
	Minimum	7.93	0.45	18.02	1.10

Table: 27 Evaluation of Trial No-QPM-2 material received from PAU Ludhiana 2002 K.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	J H QPM - 24	8.34	0.97	21.39	1.24
2.	J H QPM - 26	8.69	0.93	21.18	1.11
3.	J H QPM - 56	9.39	0.66	24.78	1.23
4.	J H QPM - 82	8.13	0.98	21.32	1.12
5.	J H QPM - 83	8.56	0.93	21.20	1.11
6.	J H QPM - 84	8.44	0.48	19.42	1.30
7.	X P 0101	8.27	0.49	21.64	1.08
8.	X P 0102	7.89	0.96	22.80	1.20
9.	X P 0103	9.24	0.54	29.36	1.29
10.	X P 0104	8.73	0.57	24.06	1.26
11.	SHAKTI - 1	8.30	0.88	22.76	1.13
12.	DECCAN – 107	9.61	0.43	23.86	1.19
	Maximum	9.61	0.98	29.36	1.30
	Minimum	7.89	0.43	19.42	1.08

Table: 28 Evaluation of Trial No-QPM-3 material received from PAU Ludhiana 2002 K.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	SHAKTIMAN - 1	7.80	0.80	22.39	1.17
2.	GANGA - 11	10.78	0.38	20.81	1.14
3.	SHAKTI - 1	8.23	0.81	20.34	1.16
4.	CML - 142 x CML - 150	7.90	0.55	19.69	1.29
5.	CML - 175 x CML - 176	9.74	0.45	25.26	1.26
	Maximum	10.78	0.81	25.26	1.29
	Minimum	7.80	0.38	19.69	1.14

Table: 29 Evaluation of Trial No-QPM-4 material received from PAU Ludhiana 2002 K.

S.No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	(SO\SN BULK 2 BULK SN5 CC - BULK 16 – 4 -B-7-B-B-#-xO) x (SHAKTI SO\SN HE 25 -#-CC BULK 50%-f-Xo-3-B-2-B-#-xO)	10.72	0.40	24.54	1.22
2.	(SO\SN BULK 2 BULK SN5 CC BULK 2 -xO-16-4) x (SHAKTI SO\SN HE 25 # CC BULK 50% -f-xO-3-B-1-B-#-xO)	9.86	0.44	24.96	1.24
3.	SHAKTI - 1	8.59	0.83	24.40	1.28
4.	NAVJOT	9.34	0.51	23.56	1.17
5.	JH(QPM) 79 DMR QPM-45	10.20	0.49	26.02	1.23
6.	1317 X 1318 (JH QPM) 79	8.53	0.53	27.37	1.24
	Maximum	10.72	0.83	27.37	1.28
	Minimum	8.53	0.40	23.56	1.17

Table: 30 Evaluation of Trial No-214 (QPM) Full Season Hybrids material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-4 (Preferred good during winter also)	8.62	0.62	26.72	1.27
2.	JH (QPM)-6	9.44	0.63	22.49	1.12
3.	JH (QPM)-15 (Preferred good during winter also)	8.71	0.60	24.98	1.24
4.	JH (QPM)-29	8.91	0.72	21.23	1.23
5.	JH (QPM)-39	8.71	0.66	25.97	1.29
6.	Shaktiman-1	7.82	0.85	23.13	1.31
7.	JH (QPM)-42	8.69	0.66	24.66	1.23
8.	JH (QPM)-44	9.10	0.50	25.56	1.21
9.	JH (QPM)-52	9.82	0.64	19.91	1.21
10.	JH (QPM)-68	8.84	0.56	24.04	1.20
11.	JH (QPM)-70 (Preferred good during winter also)	9.17	0.74	24.95	1.24
12.	Paras	8.69	0.55	27.60	1.10
13.	JH (QPM)-72	10.03	0.75	26.89	1.18
14.	JH (QPM)-73	9.76	0.73	24.16	1.15
15.	JH (QPM)-74	8.35	0.83	27.91	1.12
16.	JH (QPM)-79 (Preferred good during winter also)	8.41	0.82	27.04	1.20
17.	JH (QPM)-82	8.17	0.72	24.08	1.20
18.	Shaktiman-2	9.92	0.67	26.45	1.25
19.	JH (QPM)-83	7.94	0.83	23.32	1.16
20.	JH (QPM)-87	9.12	0.89	25.78	1.22
	Maximum	10.03	0.89	27.91	1.31
	Minimum	7.82	0.50	19.91	1.10

Table: 31 Evaluation of Trial No-215 (QPM) Early Maturing Hybrids material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-20	8.63	0.83	22.09	1.22
2.	JH (QPM)-23	8.37	0.60	23.82	1.25
3.	JH (QPM)-24	9.48	0.55	22.99	1.27
4.	JH (QPM)-26	8.12	0.83	24.86	1.13
5.	JH (QPM)-35+43	9.00	0.81	25.19	1.25
6.	Shaktiman-1	7.48	0.81	25.31	1.20
7.	JH (QPM)-36	9.12	0.52	23.52	1.17
8.	JH (QPM)-46	9.60	0.61	20.23	1.12
9.	JH (QPM)-56	8.37	0.63	21.96	1.29
10.	JH (QPM)-71	9.23	0.61	22.09	1.29
11.	JH (QPM)-77	10.12	0.47	23.27	1.22
12.	JH 3559	9.43	0.53	22.66	1.19
13.	JH (QPM) 84+8	9.08	0.61	24.87	1.30
14.	JH (QPM)-85	9.13	0.62	21.31	1.12
15.	JH (QPM) 86	9.67	0.59	20.81	1.28
16.	JH (QPM) 89	8.70	0.64	19.97	1.30
17.	JH (QPM) 90	8.36	0.69	18.52	1.32
18.	Shaktiman 2	7.70	0.88	23.88	1.19
19.	JH (QPM) 91	8.27	0.67	21.77	1.14
20.	JH (QPM) 92	8.24	0.63	18.33	1.22
	Maximum	10.12	0.88	25.31	1.32
	Minimum	7.48	0.47	18.33	1.12

Table: 32 Evaluation of Trial No-216 (QPM) Early Maturing Hybrids material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-20	10.14	0.47	23.80	1.32
2.	JH (QPM)-23	8.38	0.66	19.50	1.14
3.	JH (QPM)-24	7.45	0.79	17.83	1.11
4.	JH (QPM)-26	7.88	0.88	20.87	1.15
5.	JH (QPM)-35+43	7.78	0.66	20.85	1.22
6.	Shaktiman-1	8.33	0.79	19.14	1.12
7.	JH (QPM)-36	8.30	0.62	22.68	1.26
8.	JH (QPM)-46	8.38	0.69	27.57	1.31
9.	JH (QPM)-56	8.25	0.63	23.15	1.21

10.	JH (QPM)-71	7.78	0.79	21.73	1.20
11.	JH (QPM)-77	8.33	0.76	21.87	1.21
12.	JH 3559	9.17	0.52	29.17	1.21
13.	JH (QPM)-84+8	8.67	0.55	23.45	1.30
14.	JH (QPM)-85	7.25	0.82	28.25	1.28
15.	JH (QPM)-86	8.90	0.53	26.85	1.16
16.	JH (QPM)-89	11.72	0.40	24.87	1.18
17.	JH (QPM)-90	8.63	0.82	21.91	1.21
18.	Shaktiman-2	7.28	0.86	27.31	1.24
19.	JH (QPM)-91	8.43	0.66	24.13	1.14
20.	JH (QPM)-92	7.67	0.73	20.10	1.18
	Maximum	11.72	0.88	29.17	1.32
	Minimum	7.25	0.40	17.83	1.11

Table: 33 Evaluation of Trial No-217 (QPM) Early Maturing Hybrids material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-108	8.15	0.53	22.15	1.10
2.	JH (QPM)-109	9.02	0.48	21.91	1.09
3.	JH (QPM)-110	8.73	0.57	21.83	1.09
4.	JH (QPM)-111	9.80	0.53	23.23	1.16
5.	JH (QPM)-112	9.96	0.46	19.76	1.23
6.	Shaktiman-1	7.35	0.91	20.36	1.19
7.	JH (QPM)-113	8.71	0.57	21.06	1.16
8.	JH (QPM)-114	8.28	0.68	19.60	1.30
9.	JH (QPM)-115	8.08	0.59	18.60	1.25
10.	JH (QPM)-116	9.27	0.75	19.85	1.31
11.	JH (QPM)-117	9.61	0.58	18.40	1.15
12.	JH 3459	8.92	0.53	25.51	1.27
13.	JH (QPM)-118	9.40	0.59	21.80	1.14
14.	JH (QPM)-119	8.82	0.65	25.03	1.13
15.	JH (QPM)-120	8.06	0.83	23.38	1.16
16.	JH (QPM)-121	8.36	0.59	21.26	1.18
17.	JH (QPM)-122	6.83	0.70	24.88	1.24
18.	Shaktiman-2	6.77	0.87	21.30	1.25
19.	JH (QPM)-123	8.55	0.59	18.25	1.14
20.	JH (QPM)-124	7.69	0.72	18.33	1.14
	Maximum	9.96	0.91	25.51	1.31
	Minimum	6.77	0.46	18.25	1.09

Table:34 Evaluation of Trial No-218 (QPM) material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-125	8.73	0.57	24.20	1.21
2.	JH (QPM)-126	9.08	0.55	24.50	1.22
3.	JH (QPM)-127	8.58	0.57	24.30	1.21
4.	JH (QPM)-128	10.10	0.51	23.80	1.25
5.	JH (QPM)-129	7.95	0.80	21.30	1.18
6.	JH (QPM)-130	8.05	0.59	22.50	1.18
7.	JH (QPM)-131	10.91	0.56	24.80	1.24
8.	JH (QPM)-132	8.59	0.58	19.20	1.12
9.	JH (QPM)-133	9.02	0.57	19.30	1.20
10.	Shaktiman-1	8.39	0.78	23.70	1.18
11.	JH (QPM)-134	9.38	0.61	23.10	1.28
12.	JH (QPM)-135	9.17	0.76	20.80	1.15
13.	JH (QPM)-136	9.21	0.52	24.18	1.20
14.	JH (QPM)-137	9.79	0.49	25.79	1.28
15.	JH (QPM)-138	9.08	0.55	23.60	1.17
16.	JH (QPM)-139	9.04	0.53	20.98	1.16
17.	JH (QPM)-140	9.99	0.48	23.77	1.18
18.	JH (QPM)-141	6.99	0.67	24.81	1.12
19.	JH (QPM)-142	9.59	0.49	20.32	1.27
20.	Shaktiman-2	6.98	0.97	27.02	1.28
	Maximum	10.91	0.97	27.02	1.28
	Minimum	6.98	0.48	19.20	1.12

Table:35 Evaluation of Trial No-219 (QPM) material received from PAU Ludhiana 2002 K.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	JH (QPM)-143	8.32	0.60	22.60	1.13
2.	JH (QPM)-144	9.61	0.52	23.90	1.19
3.	JH (QPM)-145	10.53	0.45	24.40	1.22
4.	JH (QPM)-146	7.68	0.67	21.80	1.14
5.	Shaktiman-2	10.47	0.63	28.10	1.27
6.	JH (QPM)-147	8.62	0.55	21.30	1.18
7.	JH (QPM)-148	8.15	0.58	21.20	1.11
8.	JH (QPM)-149	8.87	0.52	21.60	1.12
9.	JH (QPM)-150	8.92	0.53	22.20	1.16
10.	JH (QPM)-151	8.96	0.53	19.50	1.21
	Maximum	10.53	0.67	28.10	1.27
	Minimum	7.68	0.45	19.50	1.11

Table: 36 Evaluation of Trial No-71 maize germplasm received Vivekananda Parvatia Krishi Anusandhan Sansthan, Almora 2002 K

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	EC - 1108	9.65	0.51	29.90	1.19
2.	F H - 3138	8.15	0.66	22.00	1.28
3.	X - 3342	10.19	0.56	27.90	1.26
4.	MEGHA	10.04	0.59	25.90	1.29
5.	PEHM - 2	9.88	0.59	30.80	1.18
6.	MAHI KANCHAN	10.78	0.46	27.90	1.28
	Maximum	10.78	0.66	30.80	1.29
	Minimum	8.15	0.46	22.00	1.18

Table: 37 Evaluation of Trial No-72 maize germplasm received Vivekananda Parvatia Krishi Anusandhan Sansthan, Almora 2002 K

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	A H - 421	9.61	0.54	26.00	1.21
2.	HIM - 129	11.16	0.45	29.20	1.21
3.	SURYA	11.26	0.45	24.10	1.20
	Maximum	11.26	0.54	29.20	1.21
	Minimum	9.61	0.45	24.10	1.20

Table: 38 Evaluation of Trial No-SCT-5 material received for Amylose and Amylopectin from PAU, Ludhiana 2002 K.

S.No	Pedigree	% Starch	% Amylose	Amylose in Starch	Amylopectin in Starch
1.	J H wx - 21	71.28	11.24	15.77	84.23
2.	J H wx - 22	68.07	9.78	14.37	85.63
3.	J H wx - 23	71.63	10.51	14.67	85.33
4.	J H ae - 4	67.71	40.60	59.96	40.04
5.	J H ae - 5	69.50	40.13	57.74	42.26
6.	J H ae - 6	68.43	34.95	51.07	48.93
7.	J H ae - 7	65.18	41.68	63.95	36.05
8.	B-HOMH - 11	65.18	38.76	59.47	40.53
9.	B-HOMH - 12	68.43	26.28	38.40	61.60
10.	GLUTENIOUS WAXY VCM -xO-xO-#	71.28	10.24	14.37	85.63
11.	KISAN WAXY -2-6-xOb	71.28	27.30	38.30	61.70

12.	TEMP. x TROP. HIGH OIL QPMC – 16	64.83	33.42	51.55	48.45
13.	SHAKTIMAN-1	66.27	28.33	42.75	57.25
14.	NAVJOT	66.63	30.96	46.47	53.53
15.	GANGA - 11	70.02	31.23	44.60	55.40
	Maximum	71.63	41.68	63.95	85.63
	Minimum	64.83	9.78	14.37	36.05

Table: 39 Evaluation of Trial No-220 for amylose and amylopectin received from PAU, Ludhiana 2002 K.

S.No	Pedigree	% Starch	% Amylose	Amylose in Starch	Amylopectin in Starch
1.	JH (mx) 21	71.43	20.29	28.41	71.59
2.	JH (mx) 22	71.50	20.17	28.21	71.79
3.	JH (mx) 23	68.43	20.77	30.35	69.65
4.	JH (mx) 24	74.45	20.24	27.17	72.83
5.	JH (mx) 25	66.70	25.66	38.47	61.53
6.	JH (mx) 26	71.43	21.95	30.73	69.27
7.	JH (mx) 27	70.83	12.95	18.28	81.72
8.	JH (mx) 28	20.76	28.33	40.04	59.96
9.	JH (mx) 29	70.83	31.63	44.66	55.34
10.	Paras	71.46	41.84	58.55	41.45
11.	JH (mx) 30	67.85	32.57	48.00	52.00
12.	JH (mx) 31	71.13	25.42	35.74	64.26
13.	JH (mx) 32	71.05	19.61	27.60	72.40
14.	JH (mx) 33	70.76	26.28	37.14	62.86
15.	JH (mx) 34	69.70	30.43	44.94	55.06
16.	JH 3459	65.18	36.37	55.80	44.20
	Maximum	74.45	41.84	58.55	81.72
	Minimum	20.76	12.95	18.28	41.45

Table: 40 Evaluation of Trial No-221 for amylose and amylopectin received from PAU, Ludhiana 2002 K.

S.No	Pedigree	% Starch	% Amylose	Amylose in Starch	Amylopectin in Starch
1.	JH (mx) 4	71.28	35.66	50.03	49.97
2.	JH (mx) 5	67.29	34.91	51.88	48.12
3.	JH (mx) 6	71.05	34.12	48.02	51.98
4.	JH (mx) 7	68.99	30.97	44.25	55.75
5.	JH (mx) 8	70.61	38.62	54.69	45.31
6.	JH 3459	68.42	37.23	54.41	45.59
	Maximum	71.28	38.62	54.69	55.75
	Minimum	67.29	30.97	44.25	45.31

Table-41 Amylose Extender lines for increase received from DMR grown at Hydrabad 2001 K

S.No	Pedigree	% Starch	% Amylose in Starch	% Amylopectin in Starch
1.	ae-40-1-1-B-⊗-29-#-⊗	60.94	33.58	66.42
2.	ae-46-4-1-B-⊗-22-#-⊗	67.71	52.95	47.05
3.	ae-46-4-4-B-⊗-15-#	62.45	42.39	57.61
4.	ae-46-4-4-B-⊗-23-#	60.94	44.52	55.48
5.	ae-46-4-5-B-⊗-7-#	63.95	42.00	58.00
6.	ae-46-4-5-B-⊗-17-#	60.19	42.05	57.95
7.	ae-46-4-5-B-⊗-20-#-⊗	62.07	42.04	57.96
8.	ae-47-7-5-B-⊗-12-#-⊗	62.07	39.33	60.67
9.	ae-56-5-2-B-⊗-10-#-⊗	63.95	42.13	57.87
	Maximum	67.71	52.95	66.42
	Minimum	60.19	33.58	47.05

Table-42 Waxy lines for increase received from DMR grown at Hydrabad 2001 K

S.No	Pedigree	% Starch	% Amylose in Starch	% Amylopectin in Starch
1.	Kisan Waxy Wx 2-1-6-B-B-⊗-16-#	67.71	28.20	71.80
2.	Dr Pek Waxy corn-⊗-⊗	73.73	15.16	84.84
3.	Gluteneous (μcm)- ⊗-⊗	73.73	13.02	86.98
	Maximum	73.73	28.20	71.80
	Minimum	67.71	13.02	84.84

Table-43 ae lines from Uchani for Amylose, Starch & Amylopectin test, 2002 K.

S.No	Pedigree	% Starch	% Amylose in Starch	% Amylopectin in Starch
1.	54-2-1	60.94	55.59	44.41
2.	54-2-1-2	66.21	56.02	43.98
3.	54-3-1 (1+2)	60.19	50.97	49.03
4.	57-6 (1-4)	63.95	44.78	55.22
5.	58-1 (1+2)	60.19	46.22	53.78
6.	59-1	60.94	53.48	46.52
7.	67-3 (1+2+3+4)	63.95	51.52	48.48
	Maximum	66.21	56.02	55.22
	Minimum	60.19	44.78	43.98

Table-44 High oil germplasm received from Uchani (Karnal) *Rabi*-2000 for oil estimation

S. No.	Pedigree	% Oil
1.	41-1-1	6.63
2.	48-3-2	5.27
3.	Shahad-1	3.88
4.	Shahad-2-1	3.64
5.	Shahad-2-2	3.50
6.	Shahad-3	3.80
7.	Shahad-7-1	4.39
8.	Shahad-8	3.65
9.	TAL (Q-1-1)	6.76
10.	TAL (Q-1-2)	5.61
11.	TAL (Q-1-2A)	6.54
12.	TAL (G-2-3)	5.27
13.	TAL (G-5-1-1)	6.59
14.	TAL (G-6-1)	6.70
15.	TAL (G-6-2)	6.11
16.	TAL (P) (F)-2	6.37
17.	TAL (P) (F)-4	6.70
18.	TAL (P) (D)-5	6.59
19.	TAL (P) (D)-7	5.55
	Maximum	6.76
	Minimum	3.50

Table-45 High oil lines for increase received from DMR grown at Hydrabad 2001R.

S. No.	Pedigree	% Oil
1.	R 802 A-#-#-5-#-⊗	4.83
2.	R 802 A-#-#-13-#-⊗	4.22
3.	Temp X Trop High oil QPMC 14-#-⊗-3-#-⊗	6.48
4.	Temp X Trop High oil QPMC 14-#-⊗-4-#-⊗	6.70
5.	Temp X Trop High oil QPMC 14-#-⊗-#	6.54
6.	Temp X Trop High oil QPMC 14-#-⊗-10-#-⊗	5.44
7.	Temp. ⊗ HO C_{15} #-#-⊗	5.66
8.	INSEC-⊗-⊗	8.00
9.	Thai Comp. DMR-#-1-⊗-⊗	10.50
	Maximum	10.50
	Minimum	4.22

Table: 46 Evaluation of high oil germplasm receive from DMR Delhi for oil estimation, 2002 K

S. No	Pedigree	% oil on dry basis
1.	TALAR	6.00
2.	SHAHAD	4.15
3.	Deccan 103	4.91
4.	Ganga-11	4.53
5.	Navjot	5.10
6.	Pusa Comp-2	5.42
7.	Dhawal	4.33
8.	NLD	4.46
9.	Shaktiman-1	4.50
	Maximum	6.00
	Minimum	4.15

Table: 47 Evaluation of Trial No-71 sweet corn trial for sugar received Vivekananda Parvatia Krishi Anusandhan Sansthan, Almora 2002 K

S. No	Pedigree	% Sugar
1.	JC (SWEET CORN) 1	8.89
2.	JC (SWEET CORN) 8	22.89
3.	VL-15	21.43
4.	THAI COMP. DMR-#-A-xO-xO-xO	10.67
5.	ZA WIN SWEET CORN-I	7.68
6.	WIN YELLOW SWEET CORN	9.00
7.	NG SWEET CORN	7.74
8.		8.06
		22.89
		7.68