

XXXVIII Annual Progress Report



**भाकअनुप
ICAR**

2005

**ALL INDIA COORDINATED MAIZE IMPROVEMENT PROJECT
DIRECTORATE OF MAIZE RESEARCH
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INTRODUCTION

Maize has occupied an important place in India due to its high potential for yield 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 2003-04 the total area in the country under maize cultivation was 7.32 million hectare against 6.64 million hectare in 2002-03 which was 0.66 million higher than the previous year. The total production during the year was 14.93 million tones compared to the 2002-03 of 11.15 million tones a increase of 3.78 million tones. The productivity during the year was 2039 kg/ha against 1681 kg/ha in the in previous year. The increase in the area has been reported mainly from the states of Gujarat, Bihar U.P., A.P., M.P., Rajasthan, Chhatisgarh, Maharashtra, Tamil Nadu and Uttar Pradesh. Decrease in the production in some of the states was mainly due to late monsoon, in the kharif season and prolonged cold during winter season. However, the increase in production from A.P., Chhatisgarh, Rajasthan and Maharashtra were also recorded.

During the period under report two full season maturing hybrids, HM-4, HM-5 for Haryana, one Hybrid COH M4 for Tamil Nadu and one QPM Hybrid HQPM-1 for Haryana were notified for cultivation during Kharif season beside these, four composites Birsa Makka-2 and Birsa Vikas Makka-2 were notified for cultivation in Jharkhand and Shalimar KG-1 and Shalimar KG-2 for Jammu & Kashmir.

During the previous year 4 hybrids were identified by the workshop. This consisted of two hybrids from private sector, one each in full season and medium maturity and two from public sector in early and extra early maturity group. Early maturing hybrid JH3851 were identified for A.P., Maharashtra, Karnataka, Tamil Nadu, Rajasthan, M.P., Gujarat, Eastern U.P., Bihar, Assam, Orisa, Jharkhand and Chhatisgarh. FH 3210 as extra early maturity hybrid was identified for E.U.P., Bihar, Assam, Orisa, Jharkhand and Chhatisgarh.

Breeding

During kharif 2005, 40 coordinated trials, 15 zonal trials, 28 CIMMYT trials, 3 quality protein maize trials and 2 specialized trials consisting one each for baby corn, and sweet corn and 8 previous years trials at Srinagar were planted, at various research centers of the project.

In advance evaluation trials in full-season maturity three hybrids JH-10655, BH 3313 and J 1441 C3FS along with checks were tested in Zone II and IV. JH-10655 has given 18.6-35.6 per cent better yield (6682 q/ha) than the best checks in Zone II.

In medium maturity group SMH-3758 and Bio-22069 hybrids registered 18.7-42.1 per cent (3758 q/ha) and 12.2-34.4 per cent (5016 q/ha) higher yield respectively in Zone I compared to best checks. While Bio-22069 has given 17.8-38.2 per cent (5872 q/ha) and 16.3-63.7 per cent (5655 q/ha) better yield than the best check in Zone III and IV respectively.

In early maturity group JKM-1701 has distinct yield superiority in Zone I (7313 q/ha), Zone IV (5992 q/ha) and Zone V (5551 q/ha) with a superiority range of 12.2 per cent to 63.7 per cent in comparison to checks while X-1150 Z has given 9.5-41.6 per cent higher yield (5778 q/ha) than the checks in Zone, III.

FM 3211 hybrid in extra-early maturity group has yield 6419, 4499 and 3526 q/ha in Zone I, II and IV respectively with a superiority range of 36.2-66.8 per cent in comparison to checks. FQH 4567 was tested in Zone I and IV and has given 6118 and 3531 q/ha in both zones respectively with a superiority range from 29.8-67.1 per cent against the checks.

In Zone IV FQH-4569 was the best hybrid and yielded 3531 Kg/ha against Vivek-9, which was 3503 Kg/ha.

In three QPM trials 31 materials with three checks were tested in Zone II and III the grain yield ranged from 3498 Kg/ha HQPM 05-1 to 4349 Kg/ha JHQPM-159. This hybrid was marginally superior in yield with best check shaktiman-4.

In early maturing QPM hybrids, DMR QPM 03-06 X DMR QPM 15 was the best material compared to Shakti-1 in all the three Zones. The yield of this hybrid was superior by 14.19% in Zone-III with Shakti-I.

Fodder Maize

In advance / evaluation trial three entries i.e. DMRF-26, 27 and 28 were tested. In hill Zone DMRF-27 has yielded 481.4 and 83.4 q/h green forage and dry matter yield as compared to check African Tall (438.2 and 80.8 q/h) and J 1006 (381.4 and 65.0 q/h) respectively.

DMRF-28 has given higher green forage and dry matter yield 255.8 and 54.3 q/h in North East Zone in comparison to check African Tall (235.6 q/h) and J1006 (211.7 q/h) respectively. In central Zone DMRF-28 gave 3.7 and 4.5 percent higher green forage and 7.0 and 4.8 percent higher dry matter yield as compared to both check African Tall and J1006

respectively. DMRF-28 has performed 2.8 and 15.2 percent better for green forage and 7.9 and 17.1 percent better for dry matter yield than both checks African Tall and J1006 respectively.

Rabi Season Trials

In full season maturity group in Zone III two hybrids X-1280M and PM -01 gave higher yield (6562 and 6645 Q/h respectively) in comparison to best check Bio-9681 (6533 Q/h). In Zone IV hybrids X-1280M and PM02 yielded 9588 and 9010 Q/h respectively as compare to best check Seedtec-2324 (8689 Q/h)

In early maturity hybrids JKMH-810, Seedtec-2203 (except Zone II), seedtec 2204 and Bisco Bumper were tested in Zone II, III and IV. All hybrids performed better than the checks X-3342 and Kiran in all Zones and yield ranged from 7183-8308 Q/h.

Breeder Seed Production

During the period under report 88.87 quintals of breeder seed was indented including seed requirement from private sector. The total quantity of seed produced against the indent was 136.94. Some of the inbred lines and composite allocated to Dholi, Belipar, Dharwad, Banswara and Godhra centers are being produced during the Rabi 2005.06

New Introduction

A total of 859 maize introductions received from different countries during 2005. Thirty introductions received from Spain, 40 from Uzbekistan, 59 from Philippines, 104 from Zimbabwe, 565 from Mexico, 5 from South Africa, 35 from UK, 4 from USA and 17 from Brazil. All these introductions were planted at Winter Nursery, Hyderabad for evaluation, multiplication and distribution to breeders of all public and private sectors in the country.

Agronomy

Agronomic requirement of inbred is being worked out at Ludhiana and Karnal. Result indicated that inbred could be planted closer (60x15 cm) and in last week of June at Karnal. At Ludhiana it was found that nitrogen application could be increased upto 180 kg/ha and plant population > 80,000 plants for higher seed yield. For mitigating the effect of drought two spray (0.2%) of thiourea at flowering resulted improvement in grain yield at Udaipur, Banswara. For managing crop under excessive moisture condition sowing on raised bed alone or in combination with 3% urea spray helped in reducing adverse affect of water logging at Varanasi, Bahraich and at Dholi. Paired row sowing of maize and intercropping with cowpea for fodder or beans was most effective at Karnal, and at Kangra and at Jashipur. At

Ambikapur Maize + Groundnut was most promising. Studies on integrated nutrient management revealed beneficial effect of integrating 50% chemical fertilizer with FYM and Vermicompost and Azotobactor + PSB at Banswara. At Godhra beneficial effect Azotobactor more pronounced.

Studies on specialty corn: - For popcorn 66,000 plant population with 120-135 kg N/ha was found optimum at Chhindwara and Udaipur. However, at Udaipur optimum plant population was 83,000/ha with 80 kg N/ha. Similar results were found with 120 kg N/ha at Srinagar and Delhi.

For Baby corn 1,66,000 population with 160 kg N at Udaipur and Chhindwara was found optimum while at Srinagar 83,000 plant with 160 kg N was optimum. For Sweet corn 120 N and 1,11,000 population was found optimum at Delhi and Chhindwara. At Ludhiana, Sweet corn JC - 1 produced significantly higher cob yield as compared to Madhuri with 150 kg N and 60x20 cm plant spacing.

Physiology

In Abiotic stress program, experiments were conducted on excessive moisture, drought and cold tolerance in maize, including the identification of source germplasm and stress-adaptive secondary traits. A total 205 inbred lines, including lines from DMR, Karnal, Pantnagar and Delhi Center, were evaluated under excessive moisture stress. The top ranking lines with yield ranging from 2.5 - 3.14 t/ha under excessive moisture were identified as tolerant lines. The F₁-progenies and WL-synthetic developed using the identified water logging tolerant lines were evaluated at four locations (Delhi, Dholi, Varanasi and Begusarai) under normal and excessive moisture stress. Among the 24 entries, top ranking 4 hybrids with average yield ranges from 7.17 - 8.91 tonnes/ha under stress were identified as potential hybrids for excessive moisture conditions. The WL-synthetic yielded 6.18 tonnes/ha under water logging. Using GT-biplot analysis the stress-adaptive secondary traits were identified, which include grain yield with highest index value (5) along with root porosity (3), brace root (2), senescence score (2), chlorophyll (1), ASI (1) and plant mortality (1). In drought stress trials, a total 375 entries, including lines from DMR, Karnal and CIMMYT maize physiology program were evaluated for flowering stage drought tolerance during rain-free Rabi season at Hyderabad. The top ranking entries with good level of drought tolerance were identified for all the maturity groups, and maintained through selfing. In cold stress studies, the genotypes were evaluated for low temperature tolerance, including inbred lines, hybrids and synthetics. Among the total 250 lines, the top ranking lines with yield >3.0 t/ha along with cold tolerant traits were identified. In hybrid and synthetic trials, the entries with yield >9.0 t/ha were identified as potential

genotypes for cold stress. Among various traits studied, leaf number at 60 DAS, CGR, 50% anthesis, electrolyte leakage and total soluble sugars were identified as potential traits associated with cold stress tolerance.

Biochemistry & Quality

Three hundred sixty three QPM germplasm were analyzed for quality traits. The per cent protein ranged from 6.50 to 12.30 in MH QPM-05-01 and CM 121 x SO/SN comp. SN6 cc B-50%-f-#-(3-#-#-#-# and Tryptophan in protein ranged from 0.35 to 0.99 in CM 129 x SO/SN comp. (P) SN6 cc B. 50%-f-#-(3-#-#-# and CML 140 #.

Thirty five Amylose extender (ae) and waxy germplasm were analyzed for carbohydrate profile. Per cent starch ranged from 66.25 to 72.69 in Sukhothai-1-waxy-(-(-(- and JH QPM 1404. Per cent amylose in starch ranged from 10-14 to 57.28 in waxy corn-(-(-(- and JH QPM 305. The amylopectin in starch was up to 89.86% in waxy corn-(-(-(-.

Twenty-four sweet corn germplasm were analyzed for total sugar. Per cent sugar ranged from 6.72 to 24.03 in Masmadu (sh2 sh2)-(-(-(- and Bulk maize de PAK.1A (Su.Su)-(-(-(-.

Four high oil germplasm tested for lipid. The maximum % Lipid was 6.63 in Temp (HO C14##--(-(-(-(-.

Plant Pathology

A total of 196 materials and 50 QPM genotypes in different trials were evaluated against in different maize diseases viz. Maydis leaf blight (MLB), Turcicum leaf blight (TLB), Banded leaf and sheath blight (BLSB), Sorghum downy mildew (SDM), Downy mildew (DM), Brown stripe downy mildew (BSDM), Rajasthan downy mildew (RDM), Post-flowering stalk rot (PFSR), Common rust (C. Rust), Polysora rust (P. Rust) and Erwinia stalk rot (ESR). The screenings under different diseases were carried out under artificially inoculated conditions in the various hot spots identified for these diseases. The most promising genotypes with combined resistance to TLB, BLSB, P. Rust and C. Rust was MCH-29; BSDM, RDM, PFSR, P. Rust, C. Rust was MCH-30; MLB, BSDM, RDM, PFSR, P. Rust was MCH 32; MLB, BSDM, RDM was TUX. POOL C7; BSDM, PFSR, and P. Rust X-85, whereas PMZ-146 were found resistant to MLB, TLB and BSDM.

In IET full-season maturity groups resistant genotypes identified were JH-10704 against BLSB; HKH-1236, PRO-365 and PHS-54 to PFSR, whereas JH-11031 and HKH-1178 were resistant against TLB and PFSR.

In IET medium maturity, resistant genotypes identified were MCH-30, SMH-21034 against MLB; EH-1561 against TLB; EH-1753 to P. Rust and C. Rust whereas MH 05-3 was resistant against MLB and TLB. In IET early maturity, resistant genotypes were JH-31045, AH-47192 against MLB; X-9411 against TLB; PFSR, EH-1495 against PFSR whereas UMH-8 was resistant against MLB, PFSR and P. Rust. In extra-early maturity, FH-3294, SMH-49114, JH-31041 were resistant against BSDM.

In AET full-season maturity trials, promising materials identified against MLB was JH-10655; BSDM and P. Rust against were MCH-23. In AET medium maturity trials, the materials found promising are HKH-1188 and HKH-1191 against TLB and BSDM, whereas CHH-219 and L-186 were found resistant against BSDM. In AET early maturity trials, MCH-26 was found resistant against TLB and BSDM, EH-1389 against BLSB whereas JH-3982 was resistant against BSDM and P. Rust.

In AET early-early maturity, the promising resistant genotypes were - DEH-11 against BLSB; FH-3277 against TLB; FH-3245 were resistant against BSDM and P. rust.

Synthesis of gene pools and improvement of inbred lines resistant to PFSR:

Fifty-seven maize genotypes were evaluated at 4 hot spot locations i.e. Hyderabad, Udaipur, Ludhiana, and Delhi against PFSR. Among them seventeen entries were found resistant where as fourteen entries were found moderately resistant against PFSR at all the four locations.
Inbred line evaluation

A total of 129 (maize) inbred lines were evaluated against TLB and P. Rust, out of them 100 lines were identified as resistant lines against both the diseases.
Survey and Surveillance

Extensive surveys were conducted under survey and surveillance programme in maize growing areas of Uttaranchal, Rajasthan, Andhra Pradesh, Orissa and Punjab. The most common diseases of the areas were TLB in Uttaranchal, RDM, Brown spot, Charcoal rot and Head smut in Rajasthan, MLB and stalk rot in Punjab, PFSR in Andhra Pradesh, MLB and BLSB in Orissa, TLB and C. Rust and P. Rust in Karnataka whereas in Himachal Pradesh the most common disease observed were MLB, BLSB, Brown spot, BSDM and ESR. Based on the survey surveillance a disease map was updated.

Nematology

Survey : Soil and root samples of maize were collected from Chittorgarh, Rajsamand and Udaipur and population density studies. Maximum occurrence of *Heterodera zea* was observed from

Udaipur whereas minimum from Chittorgarh district.

Varietal Screening

273 genotypes were screened and out of them 9 entries were found tolerant against H. zea.

Population dynamics

Population dynamics studied, and maximum population of H. zea was recorded in the month of October whereas the minimum was during June.

Entomology

Screening of germplasm against Chilo partellus, during Rabi 2005 was done in six locations under artificial inoculation of 12-15 day old plants. Staggered sowing was done and releases of C. partellus eggs in black-headed stage were made. Observations were taken after 30 days of release of pests and leaf injury rating was recorded on 1-9 scale.

In full season maturity group, 16 germplasm were screened, out of which four i.e. TUX, POOL C 7, NECH-128, MCH-23 and BIO-31006 were found to be resistant in zone II. In medium maturity group, out of 31 germplasm screened, BIO-22069, AH-31417, HKH 1191 and JKMH-702 were found resistant in zone II and L-166 and HKH-1191 in zone IV. In early maturity group, out of 28 germplasm screened, only JC-3272 and L-201 were found to be resistant in zone II. Out of 40 QPM germplasm tested, only MH QPM 05-3 was found resistant to zone II.

From three source populations constituted under ICAR-CIMMYT collaborative programme, resistant lines in late yellow and early yellow lines were developed. The average leaf injury rating of late yellow and early yellow was recorded to be 2.71 and 2.46.

For multiple insect resistance i.e. against C. partellus and Sesamia inferens four materials have shown promise, which have been advanced to C4. They are F-28, F-36, F-101 and F-110.

The Directorate has constructed a net house for conducting ovipositional studies of Chilo partellus. Studies have been initiated to determine the plant age preference for oviposition.

IPM trials were conducted at Ludhiana, Kolhapur, Godhra and Hyderabad. Pest and disease incidence was observed low in IPM trial in comparison with farmers practice. A higher yield ranging from 23.1-28.1 percent was recorded from IPM field over the farmers' fields.

Effect of some chemicals viz. Decis 2.8 EC, Endosulfan 35 EC, Furadon 3G and Lindane 6G were studied on *C. partellus* in the fields at Ludhiana. Whorl application of Furadon 3G @ 3.75 kg/ha. gave least dead heart incidence and resulted in higher yield.

At Karnal different insecticides were evaluated for the control of *C. partellus* through seed treatment. The pesticides tested were Thiomethoxan, Imidacloprid, Chlorpyrifos, Endosulfan and Phorate. Thiomethoxan @ 6g/kg seed gave minimum incidence of plant infestation.

TABLE NO. I :

MEAN MAXIMUM AND MINIMUM TEMPERATURE °C DURING KHARIF 2005 AT VARIOUS RESEARCH CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	Mean Max 0 C	21.5	24.2	24.9	27.4	28.8	32.4	31.8	32.2	33.5	29.5	27.1	-
	Mean Min 0 C	10.5	13.9	17.4	19.7	21.7	25.2	25.5	25.7	26.0	22.0	15.7	-
Kangra	Mean Max 0 C	14.7	15.6	22.8	30.3	32.0	36.2	29.1	30.4	29.2	29.2	19.9	-
	Mean Min 0 C	5.5	7.9	11.3	14.8	17.8	22.3	23.6	24.0	22.6	19.9	13.8	-
Bajaura	Mean Max 0 C	13.2	12.5	15.9	22.8	27.8	31.8	28.7	30.0	26.2	27.6	23.6	-
	Mean Min 0 C	0.8	4.2	6.8	8.6	11.5	12.6	20.6	20.4	18.1	9.0	1.9	-
Almora	Mean Max 0 C	16.7	17.2	24.1	28.7	30.6	33.5	28.6	29.3	28.3	26.6	23.7	20.4
	(Normal)	17.8	19.7	24.3	29.0	31.1	30.7	29.5	28.7	28.2	26.7	23.4	20.5
	Mean Min 0 C	1.4	4.3	7.9	7.8	12.4	17.6	20.7	20.7	18.9	12.4	2.7	-1.0
	(Normal)	0.5	3.2	6.1	9.7	14.2	18.6	20.9	20.5	17.9	10.6	4.0	0.5
Pantnagar	Mean Max 0 C	-	-	-	-	-	39.1	31.6	32.5	31.5	30.2	-	-
	Mean Min 0 C	-	-	-	-	-	24.3	25.2	25.2	24.1	18.9	-	-
Kanpur	Mean Max 0 C	-	-	-	-	-	40.5	31.9	34.0	33.0	33.2	-	-
	Mean Min 0 C	-	-	-	-	-	27.8	25.5	26.0	25.1	24.5	-	-
Ambikapur	Mean Max 0 C	22.5	28.1	31.9	35.5	39.8	37.6	29.3	28.4	29.0	28.6	27.0	-
	(Normal)	23.4	26.7	31.4	36.2	38.6	33.5	29.4	29.1	29.5	29.4	26.8	23.8
	Mean Min 0 C	8.5	13.0	16.6	19.0	23.4	24.9	21.8	21.4	20.4	16.2	8.1	-
	(Normal)	9.2	12.8	16.6	22.4	25.8	24.4	23.4	23.0	21.8	18.2	12.4	9.4
Jashipur	Mean Max 0 C	26.2	30.3	33.7	36.0	36.8	36.4	30.0	29.9	29.1	27.5	25.2	-
	Mean Min 0 C	15.3	18.0	22.3	24.2	26.5	28.1	25.5	25.3	24.9	22.8	16.2	-
Coimbatore	Mean Max 0 C	30.6	32.6	34.4	33.9	34.6	32.2	30.7	31.4	31.2	30.7	28.1	-
	(Normal)	29.4	31.8	34.5	35.2	34.2	31.6	30.1	30.1	31.6	30.9	29.2	-
	Mean Min 0 C	19.0	18.8	22.2	23.2	21.6	23.8	23.4	22.5	22.6	22.2	20.3	-
	(Normal)	17.9	18.5	20.5	23.8	23.2	22.1	22.2	22.2	21.8	21.4	20.2	-
Arabhavi	Mean Max 0 C	26.4	30.1	34.5	33.1	34.1	24.1	27.4	27.2	22.1	30.0	29.4	29.3
	(Normal)	29.4	30.9	33.1	35.1	34.4	29.1	28.3	28.5	29.2	30.0	29.3	28.2
	Mean Min 0 C	16.0	14.6	18.7	23.5	24.2	23.3	22.7	21.6	21.4	20.4	15.2	13.8
	(Normal)	9.3	10.2	16.0	18.2	19.9	20.9	19.9	19.1	18.3	14.7	19.9	16.2
Mandya	Mean Max 0 C	-	-	-	-	-	31.0	29.8	29.2	29.6	29.3	29.0	-
	Mean Min 0 C	-	-	-	-	-	19.3	19.6	19.1	19.6	19.1	17.5	-
Udaipur	Mean Max 0 C	-	-	-	-	39.9	39.6	32.8	30.1	31.2	32.3	-	-
	Mean Min 0 C	-	-	-	-	24.9	28.1	24.9	23.0	22.3	15.3	-	-

TABLE NO. II :

MEAN PER CENT RELATIVE HUMIDITY DURING 2005 RABI AT VARIOUS RESEARCH
CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	84.0	83.0	86.5	84.0	85.5	85.0	86.0	87.0	87.5	88.0	82.5	-
Bajaura	74.5	76.5	80.5	67.0	71.0	61.5	78.0	72.5	74.5	62.5	61.5	-
Almora	76.0	76.5	73.5	59.9	63.9	62.6	86.1	80.7	79.9	69.7	63.6	65.0
(Normal)	69.1	68.4	63.2	56.4	58.9	71.6	79.2	81.1	78.4	67.4	65.1	65.7
Pantnagar	-	-	-	-	-	62.0	90.0	88.0	90.0	86.0	-	-
Kanpur	-	-	-	-	-	53.0	81.2	72.7	78.3	78.6	-	-
Ambikapur	89.0	77.0	75.0	57.0	51.0	60.0	90.0	92.0	93.0	88.0	79.0	-
(Normal)	63.0	59.0	48.0	35.0	38.0	66.0	83.0	85.0	81.0	71.0	61.0	63.0
Coimbatore	88.0	84.0	86.0	89.0	87.0	78.0	79.0	84.0	86.0	92.0	92.0	-
(Normal)	61.0	61.0	55.0	54.0	55.0	56.0	55.0	62.0	63.0	72.0	73.0	-
Arabhavi	64.3	58.4	53.2	55.6	54.9	72.7	83.1	83.4	80.7	72.2	63.9	63.3
Mandya	-	-	-	-	-	87.0	89.0	89.0	91.0	89.0	86.0	-
Udaipur	-	-	-	-	44.5	53.3	83.2	88.2	89.5	81.2	-	-
(Min)	-	-	-	-	21.2	25.3	66.8	67.4	65.5	30.4	-	-

TABLE NO. III :

TOTAL RAINFALL (mm) RECORDED DURING 2005 AT VARIOUS RESEARCH
CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	38.8	32.3	223.7	187.9	185.2	191.9	302.8	320.2	167.4	59.7	6.0	-
Kangra	60.8	110.2	86.7	5.2	36.0	81.6	635.0	273.0	338.0	-	-	-
Bajaura	78.4	184.1	135.1	48.2	79.1	20.6	298.8	56.6	95.8	-	-	-
Almora	79.5	76.6	61.8	1.0	37.5	34.0	416.8	83.0	261.5	8.2	0.0	8.0
(Normal)	55.7	56.5	34.8	14.2	58.0	131.9	207.4	176.8	135.7	52.5	13.9	20.2
Pantnagar	-	-	-	-	-	77.8	625.2	492.6	530.6	-	-	-
Kanpur	-	-	-	-	-	44.0	332.0	127.2	136.2	15.8	-	-
Ambikapur	81.4	12.2	-	4.6	-	246.4	187.1	285.5	206.9	34.20	-	-
(Normal)	30.8	15.0	24.0	12.2	15.8	286.5	472.7	334.9	238.2	56.10	18.60	17.6
Jashipur	23.2	-	92.4	109.6	59.6	363.2	457.2	306.4	255.6	283.9	-	-
(Normal)	13.2	21.7	15.5	44.3	88.6	363.2	267.8	380.3	195.9	75.3	12.3	7.6
Coimbatore	9.80	0.5	46.2	77.2	104.4	11.1	40.10	84.5	25.4	333.1	196.6	-
(Normal)	14.0	9.2	17.0	52.7	66.5	42.8	68.50	30.1	68.0	146.0	118.0	-
Arabhavi	-	-	-	14.5	30.5	105.2	146.0	98.7	93.8	64.0	-	-
(Normal)	-	-	0.4	17.6	66.0	99.1	74.3	48.2	91.5	107.7	14.1	14.7
Udaipur	-	-	-	-	7.4	-	276.3	145.4	368.4	-	-	-
Mandya	-	-	-	-	-	74.2	75.2	244.4	38.0	422.6	19.2	-

TABLE NO. IV : WIND VELOCITY KM/HOUR DURING 2005 AT VARIOUS RESEARCH
CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	1.9	3.3	3.9	4.2	3.5	3.2	3.8	3.6	2.9	2.1	1.6	-
Almora	2.0	2.9	2.9	3.1	4.1	4.4	2.5	2.4	2.3	2.2	1.8	1.8
(Normal)	2.2	2.6	3.0	3.3	3.7	3.3	2.7	2.1	2.1	2.1	1.9	1.8
Pantnagar	-	-	-	-	-	10.9	8.4	5.3	5.7	2.0	-	-
Kanpur	-	-	-	-	-	7.6	7.5	7.0	7.6	7.0	-	-
Ambikapur	2.9	3.9	4.3	5.8	4.4	5.9	6.1	4.8	4.5	1.7	1.7	-
(Normal)	2.5	3.5	4.4	5.2	6.0	6.7	5.0	3.5	2.9	2.4	2.2	2.4
Coimbatore	6.3	5.9	3.9	3.4	4.0	9.0	9.8	8.3	7.6	3.8	3.4	-
(Normal)	4.3	5.1	6.2	4.6	3.7	13.4	12.7	11.2	6.0	2.8	2.5	-
Udaipur	-	-	-	-	6.3	7.2	6.6	3.1	1.7	0.4	-	-

TABLE NO. V :

MEAN HOURS OF SUN SHINE 2005 AT VARIOUS RESEARCH
CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	55.5	54.3	74.2	144.4	133.2	128.1	148.9	127.4	169.7	165.9	218.6	-
Bajaura	4.8	3.7	6.0	6.1	8.2	8.5	5.4	6.3	6.0	8.5	6.9	-
Almora	5.1	5.4	7.0	8.5	8.4	7.4	3.3	6.10	4.6	7.4	8.3	7.6
(Normal)	6.5	6.8	7.9	8.8	8.9	6.8	4.9	4.8	5.8	7.7	7.9	7.3
Pantnagar	-	-	-	-	-	9.5	4.6	6.4	6.8	8.1	-	-
Ambikapur	7.3	9.7	9.7	9.0	7.9	5.8	4.0	3.6	5.6	7.1	9.6	-
(Normal)	8.7	8.9	9.2	9.3	9.5	5.6	3.7	3.7	5.5	7.5	8.7	8.4
Coimbatore	7.90	9.1	9.0	7.1	8.0	5.7	4.7	6.0	6.5	5.5	4.1	-
(Normal)	8.7	9.5	9.9	8.6	8.2	5.8	4.6	5.8	5.2	6.3	6.1	-
Udaipur	-	-	-	-	10.5	9.8	5.0	5.1	5.2	9.4	-	-

TABLE NO. VI :

MEAN EVAPORATION\TRANSPIRATION (mm) 2005 AT VARIOUS RESEARCH
CENTRES AT DIRECTORATE OF MAIZE RESEARCH

CENTRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Jorhat	1.3	2.0	2.4	2.8	-	-	-	-	2.9	1.9	1.9	-
Almora	0.8	0.9	1.8	3.9	4.4	5.0	2.6	3.0	2.2	2.4	2.0	1.4
(Normal)	1.2	1.7	2.8	4.1	4.5	4.2	3.3	3.0	2.9	2.7	1.9	1.4
Pantnagar	-	-	-	-	-	12.7	4.7	4.9	4.3	3.0	-	-
Kanpur	-	-	-	-	-	8.9	3.9	6.4	5.7	4.0	-	-
Ambikapur	2.3	3.8	4.7	7.2	11.9	8.2	3.4	3.5	4.2	3.7	2.9	-
(Normal)	2.7	4.2	6.7	9.2	10.8	7.1	4.1	3.5	3.5	3.4	2.9	2.6
Coimbatore	4.4	5.2	5.8	4.7	5.2	6.0	5.4	5.7	5.0	3.7	2.5	-
(Normal)	4.3	5.1	6.2	6.6	6.7	5.8	5.1	6.4	5.6	4.6	3.1	-
Udaipur	-	-	-	-	11.4	12.8	6.2	4.2	4.0	4.1	-	-
Arabhavi	67.0	151.0	233.0	176.6	178.7	139.3	91.8	101.3	83.0	81.3	110.0	485.0

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	5.6
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.	Dhaura 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	247.0		7.80
12.	Udaipur	24.55 N	73.41'E	572	Loam to sandy loam	8.2-8.4
13.	Bansware	23.5 N	73.58'E	218	Fluvent	-
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	51.80	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.	Asbhavei	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.	Wagenahalli	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	7.50

TABLE NO VIII

AREA UNDER MAIZE IN DIFFERENT STATES OF INDIA DURING (2002-03 TO 2003-04)

STATE	KHARIF 2002-03	RABI	SUMMER	TOTAL	KHARIF 2003-04	RABI	SUMMER	TOTAL
1 ANDHRA PRADESH	414.0	112.0	-	526.0	558.0	163.0	-	721.0
2 ARUNACHAL PRADESH	39.5	1.0	-	40.5	37.5	1.1	-	38.6
3 ASSAM	19.8	-	-	19.8	19.6	-	-	19.6
4 BIHAR	264.7	190.7	164.1	619.5	256.5	188.5	161.5	606.5
5 CHATTISGARH	95.2	-	-	95.2	104.9	-	-	104.9
6 GOA	0.2	-	-	0.2	0.2	-	-	0.2
7 GUJARAT	464.5	-	-	464.5	484.5	-	-	484.5
8 HARYANA	16.0	-	-	16.0	15.0	-	-	15.0
9 HIMANCHAL PRADESH	297.0	-	-	297.0	298.5	-	-	298.5
10 JAMMU & KASHMIR	329.5	-	-	329.5	321.2	-	-	321.2
11 JHARKHAND	133.1	1.0	-	134.1	181.0	6.0	-	187.0
12 KARNATAKA	579.0	60.0	11.0	650.0	545.0	61.3	11.7	618.0
13 MADHYA PRADESH	850.1	-	-	850.1	901.3	-	-	901.3
14 MAHARASHTRA	301.2	70.0	-	371.2	311.8	73.0	-	384.8
15 MANIPUR	5.1	-	-	5.1	4.4	-	-	4.4
16 MEGHALAYA	16.9	-	-	16.9	16.9	-	-	16.9
17 MIZORAM	6.9	0.6	-	7.5	9.8	0.7	-	10.5
18 NAGALAND	40.0	-	-	40.0	35.8	-	-	35.8
19 ORISSA	42.0	1.1	-	43.1	53.1	2.5	-	55.6
20 PUNJAB	152.0	-	-	152.0	154.0	-	-	154.0
21 RAJASTHAN	983.3	0.3	-	983.6	1110.1	0.7	-	1110.8
22 SIKKIM	39.3	-	-	39.3	36.7	-	-	36.7
23 TAMIL NADU	33.9	83.3	-	117.2	89.2	71.0	-	160.2
24 TRIPURA	2.3	-	-	2.3	1.9	-	-	1.9
25 UTTAR PRADESH	779.0	-	-	779.0	947.2	-	-	947.2
26 UTTARANCHAL	35.0	-	-	35.0	48.0	-	-	48.0
27 WEST BENGAL	27.7	-	-	27.7	40.9	-	-	40.9
30 A & D ISLANDS	-	-	-	0.0	0.2	-	-	0.2
28 DELHI	-	-	-	0.0	0.1	-	-	0.1
29 OTHERS	-	-	-	0.0	-	-	-	0.0
	5967.2	520.0	175.1	6662.3	6583.3	567.8	173.2	7324.3

Monitoring Report

Hyderabad

- * Breeding programme at the station was excellent.
- * Trials planted at Rajendranagar were destroyed by wild bores.
- * Maintenance of inbred lines was very systematic
- * All allotted trials were conducted

Entomology trials have be planted below on plot numbers as per the replication along with resistant and local susceptible checks and the artificial infestation to be done by fixing blockhead stage eggs (20.25) but not by releasing neoncte larval. Chilo in terms has not noted in this year. However the incidence of Helsecover feeding on silks is noted and also the leaf damage by spotophereic was also observed.

Karimnagar

Considering the constraints of the station trials conducted were average to good. Station breeding program needs to be strengthened and made broad based. There is a need for procuring more germplasm from other station in India and if possible from abroad.

Coimbatore

In view of the fact as under maize has increased in the recent past. There is an urgent need of making the germplasm base more broad. CIMMYT and other international maize center may be approached to supply more germplasm.

Effort in the conduct of trials is appreciable but station breeding programme needs to be strengthened so as to fulfill the needs of the state.

Turcicum leaf blight and downy mildew pressure was very pronounced in trials. This affected the plant populations.

Procedure for sending treatment needs improvement in order to avoid downy mildew infection.

In trials were sprayed with endosulfan (10DAG) and granular 1 carbofulan) whorl applicable in 4 weeds after germination. Euproctis falend was observed feeling on sills with entry no. 546. chilo partellus damage was from entry no. DMR 58, 542.

Mandya

- The trials conducted were in excellence shape except that they were planted late probably because seed was received late.

- Spacing of trial was 60x25x5 meters.
- In late planted trials TLB was very severe.

The diseases observed in these trials were TLB (moderate to severe), common rust (mild intensity) and polysora rust in mild intensity on DMR 373 (Plot no. 7151). In trial no. 63 (early maturity, IET), TLB (Turcicum leaf blight) was severe in intensity and the most affected entries were DMR 553(7808), DMR 554 (7802), DMR 551(7810), DMR-546(7812).

The crops was sprayed with endosulfan at 10 DAG and cyper melthim on 21DBG and carbofuran gn about application in 30DAG. However stem borer incidence was observed in ten entries monoliths (pesticide) population was about in trial no. 62.

There is an urgent need to develop a station breeding programme in commutation with ARS, Amberpet group of scientists. This would have beneficial effect on maize farmers of the very important maize growing area. Agronomy and breeding trials were well conducted at the station. Pathologist at Amberpet should spare some time for recording of observations on diseases.

Pathology trials have to be planted as per the plot numbers but not the best of entry numbers. The disease incidence is quite high in Delhi trials planted in pathology programme. Stray incidence of marosunic together and Rhopelothus has notice in all entries stem borer incidence has noted in plot no. 8110, 8161, 8170, 6357, 8029, 8034, 6477, 7842, 7143, 67304, 6305, 6315, 6060 6067 and very high incidence of stem borer has observed in the baby corn trial plot no. 8706 in the form of leed honts.

Nagenhally

- The main task assigned to the station is screening for downy mildew resistance. This responsibility is being carried out with distinction.
- Screening work is very useful and effective
- Inbreds developed of the station were observed to be very very uniform.
- Overall the programme at Nagenahally is very prospective.

DMR, (Breeding)

Eleven trials were planted during season. CM lines, elite composite, quality protein lines for evaluation. Do sibbing in selected lines and some new inbred lines are being increased. CM 138 Dbed and E lines for evaluation and selection. Selected SO/SN composite Set I, inbred lines Set II, Set II and Set IV for increase by sibbing. Elite varieties of fodder maize do bulk sibbing for increase.

Plant Physiology

In abiotic stress program a total seven trials were planted including screening of new and advance generation inbreds and F1 progenies of WL-tolerant lines under excessive mixture tolerance and experiment on agronomic management for excessive moisture tolerance in maize. In the advance generation inbred lines trial, there were a number of lines showing promising tolerance to the stress and in new lines only few lines have planting to crop up with the stress. In the hybrid trial, some of the hybrids were showed significantly. The treatment ridge planting+split of N (obasal, 25% before and 25% after water logging, 25% at tasseling and 25% and late grain filling) excessive moisture. There were crossing program for developing test crosses for drought and cold lines.

Entomology:

114 germplasm in coordinated trials for full season maturity, medium maturity, early maturity and extra early maturity group were screened. 40 germplasm of QPM were also screened by artificially inoculating the plant with eggs of chilo partellus. 671 lines were maintained for homogeneity. Multiple borer resistant lines and developed, screened and maintenance. In experiment for the control of C. partellus was also conducted.

Pathology:

Evaluation and screening of inbred lines, CIMMYT lines and pool is being done against PFSR pathogen. H. phaseolina and fusarium to identify the source of resistance. In management trial efficiency of different levels of potash and seed treatment with fungicide and bioagontsis being done. Inoculation has been done. Screening of material against mycotoxigenic producing fungi and effect of climate change on BLSB pathogen is being done.

Plant pathology (Delhi)

Evaluation of elite genotype to maydis leaf blight (MLB) and Banded leaf blight sheath blight (BLSB).

In trial 61 plot no. 8109

Trial 63 Plot No. 7804

Trial 63 Plot No. 7807

Trial 63 Plot No. 7822

Trial 64 Plot No. 7702

Trial 64 Plot No. 7709

and QPM-1 trial no. 8608 are susceptible lines Banded leaf and Sheath Blight.

In Trial 75 plot no. 8311, 8315 and Trial 61 plot no. 8111, 8113, tolerant lines against Banded leaf and Sheath Blight.

Breeding (Delhi)

Twenty four trials were conducted during kharif 2005. These consisted of coordinated trial (of different maturity) station trial, zonal trials (of different maturity) and specialty corn trials (Sweet corn, baby corn and pop corn).

Demonstration plot of new hybrids (PEHM-5), (AH-58), and (PC3 composite) very good condition in field block. Breeder seed production of parental lines of new hybrid PEHM-5 with half of seed production unit of IARI, New elite lines being screening for diseases MLB, BLSB(Delhi).

Karnal

Maize Breeding:

Twenty one trials were conducted during kharif 2005. 200(yellow) maize inbred lines evaluated for combining ability. Extraction of new inbred lines by selfing of 100 best SC/DL/TWC hybrids. Under specialty corns, 18 pop corn and 23 sweet corn and 119QPM and high oil (109+10) lines were involved in crossing programme. Entries is advanced trial 4 (AET-II) and 6 (AET I). Identification of genetic and morpho-physiological trials related

to low nitrogen tolerance in maize by evaluating germplasm. Experimental studies and evaluation against biotic (Chilo partellus) and abiotic (cold tolerance) stresses.

Agronomy:

Evaluation of pre-release genotypes at different 'N' levels, involving 11 QPM, 2 FS, 3. MM94) 5. EE entries coordinated entries response best at N-180 level. Experiment on fertility requirement of QPM hybrids. Studies on baby corn population and nutrition requirement Studies on effect of different plant population on the productivity of inbred lines. Studies on inter-cropping in kharif maize involving black green, green gram, cowpea and groundnut. Integrated weed management is maize intercropping system.

Plant Pathology:

143 entries evaluated for MLB (under artificial and natural conditions). Survey and surveillance of maize diseases through trap nurseries. 100 promising inbred lines being evaluated under artificial inoculation conditions.

Entomology:

Screening against Chilo partellus of the entries in the different maturity groups from the coordinated trials (Total 143). Evaluation of 100 promising single cross hybrids and parental lines against stem borer. IPM strategy for kharif maize, including maturity of natural enemies of maize pests.

FLD: Three demonstration plots at Toprana, Karnal, HQPM-1

Ludhiana

Seventy-two trials comprising of coordinated zonal station and specialty corn were conducted during kharif 2005.

Maize Breeding:

Eight hundred inbred lines maintenance and selections, including long duration, QPM inbres, QPM population (S2-S6), waxy maize, sweet corn (S3) and high oil maize inbred (S4-S6). Population maintenance: QPM, sweet corn and normal maize (long duration). Four hundred inbred lines: early lines-maintenance/advancement of indigenous and semi-exotic pools

Agronomy:

1. Evaluation of new genotypes under different sowing dates (station experiment), sowing dates 2) effect of N levels and spacing on yield and quality of sweet corn composite JC-1, 3) evaluation of new full season genotype sunder different N levels coordinated, 4) Evaluation of new medium maturity genotypes under different N levels-coordinated 5) Evaluation of new early maturity genotypes under different N-level coordinated. 6) Evaluation of new QPM genotypes under different N levels coordinated 7, Evaluation of new genotypes under different N levels-station experiment. Studies on fertilizer and spacing requirement of inbred lines of newly released hybrids. 9) Studies to find out the effect of picking stage and total number

of pickings on yield and quality of baby corn. In the fertilizer/N level experiments, there was good response at N: 180, compost to N: 80. All the trials were in good condition.

Entomology:

Trial 75-FS; 76-medium, 77 early; 78-E.early; QPM trials: 1,243; QPM trials; 4-station trials-general response good and experimental condition-good.

Pathology:

Trial 61, 62, 63, 64, 75, 76, 77, 78, QPM-1, 2,3, Trap nursery; ICAR-CIMMYT collaborative project-MLB and PFSR (charcoal rot)-evaluation; experiments O.K.; good condition/

Demonstration plot with released maize cultivars was excellent rainfed experiment in very good condition.

Kangra, (H.P.)

Eighteen trials comprising of coordinated zonal and station trial were conducted. Four trials (65, 68, 61, 63) were not planted due to late arrival of seed and also heavy rains.

Breeding

Collection, evaluation and maintenance of maize germplasm and utilization for development of improved 90 lines population. Location specific research for the development of high yielding early/medium duration hybrids. Forty-five inbred lines from different diverse sources were developed. Ninety-three inbred lines in different stage of selfing S3-S4. Population improvement programme: Eight selected half sib progeny involve in chain crossing. Development of single cross hybrids 45x3 (line x tester); CM 112, CM 103, 212 as testers.

Agronomy

Experiment 1: NxG-trials

- a) Extra early maturity
- c) QPM, early maturity

Experiment 2: Development of integrated nutrient management system through organic sources for enhanced productivity of maize based cropping system-underlined condition. Organic had considerable residual effect on the succeeding crop in the very next season with advoly of 22-60%.

Experiment 3: Studies as intercropping despite green manure for chemical fertilizer economy in maize based cropping system.

- Maize+soybean or maize +cowpea (green mung) was found better

Demonstration:

Frontline demonstrations-47, Village-solda, Tehsil, Jawati, village-Bhagga; Village-Kuther, Hybrid: PSCLL 4642; Kh-2005 and Girija composite.

Bajaura

Twenty-five trials comprising of coordinated, zonal station and specialty corns were conducted during kharif 2005.

Breeding

Fifty inbred lines were maintained by selfing out of which twenty were involved in line x tester design, using three testers. Seed production of the entries being evaluated in the coordinated trials. Sixty inbred lines belonging to QPM. Maintenance and evaluation; local cultivars collected from different parts of the state were evaluated (100 locals); special breeding program for developing maize genotypes, suitable for high altitude.

Agronomy

N x G: Five experiments (Medium, early, extra-early maturity); QPM: Full season and early maturity. All in good condition; Data recorded as per the requirement; N-at 180 gave the best response compared together N levels.

Pathology

Trials: 61, 62, 63, 64, 75, 76, 77, 78, QPM: 1,2, &3; Trap Nursery. All trials planted; disease incidence of Turcicum Leaf Blight (TLB): Moderate and Banded leaf and Sheath Blight (BLSB): Moderate-Good crop management.

Demonstration

Front Line Demonstration (FLD) experiment conducted successfully at 214 locations. FLDs of Seobagh (Kulu District) and Samhal (Pandoh, in Mandi District) were monitored. Trials were nicely conducted and in very good condition. Maize cultivars used in demonstration: Girja and Early composite.

Varanasi

Monitoring team consisting of Dr. Iqbal Singh, Dr. J.P. Mishra, Dr. J.P. Shahi and Dr. R.N. Singh visited the centres.

Breeding

Growth of all trials were good but growth of trials No. 62, 63, 70, 71 and sweet corn are very good. Two entries having plot no. 6452 and 6465 in trial no. 70 are very good. Sporadic lodging was seen in some entries and it was because of rains with heavy winds blowing. Baby corn trials have already been harvested. In zonal trial No. 302 there was some patch.

Inbreds were being maintained in proper way but they should be utilized for making single crosses in the breeding programme. In overall management was very good.

Agronomy

Trials (early, medium and full season QPM with one entry as filler) of N x G are being conducted. One trial of agronomic management of excess moisture is being conducted. Effect of nitrogen and germplasm are clearly seen. Management of all the trials was very good.

FLDs: 60 FLDs are being conducted in Mirjapur, Jaunpur and Chandauli. We have visited FLDs in Jamsoti, Mamarakpur, Muzaffarpur, Murarpur, Rampur etc. in nearby villages in Chandauli district. Some of the FLDs are very good (higher yielding and good crop growth and are being used for green cobs. One FLDs of maize + pigeon pea has been demonstrated and its performance is very good. In general all FLDs are in good condition.

Ambikapur
Breeding

Performance of all materials in all three trials are excellent. Particular mention can be made of following trials with entries numbers:

Tr. 65	492, 493, 497 and 496
Tr. 66	425, 427, 430, 432 & 433
Tr. 67	341, 344, 348, 349 & 352
Tr. 68	261, 264, 265 & 266
Tr. 70	186, 188 & 190
Tr. 71	147, 150
Tr. 302	Dholi 125, 128 & 129
Tr. 303	Dholi-1, 5, 9, 10, 11, 12 & 13

Station trial- 1, 17, 18, 19, 31, 33 & 39

National Germplasm: 38 materials were very good but out of 38 following materials following 6 materials are excellent plot no. 417647, 417645, 417644, 417642, 417641. Overall management for all trials and other materials is excellent.

Agronomy

Two trials of NxG for early and extra early maturity are in excellent condition. Effect of NxG can be seen clearly.

Four-station trials-2 for weed management, one for intercropping and one for cultivars x spacing are being conducted and are in excellent condition.

FLD: 400 acres FLD of kharif season and 22.5 acres FLDs nemnant of last kharif were being conducted in this kharif season. Performance of about 75% FLDs are very good to excellent and rests 25% are in just below moral condition. Total beneficiaries of FLDs are 442 cultivators. All FLDs of this year are better than the last year FLD's as per statement of officials.

Kanpur

Plant growth of all trials except zonal trial was normal. Plant growth in zonal trials is good. There is lodging in all the trials. More or less plant population is very low in all the trials. Particulars mention can be made of trial no. 69, 70, 71 & 72 where plant population is low either because of high rainfall just after sowing or less month of seeds/packet or drought after one month of sowing. Some entries as mentioned below are showing good performance.

Tr. 62	Ent. No. DMR 595/Tr 63-553, 556, Tr. 64-DMR 526
Tr. 65	DM5 483, 484, 482, 488, 489

Tr. 66	DMR-413, 414
Tr. 67	DMR 334/Tr. 69-DMR-211, 214, 215, 216
Tr. 70	DMR 181, 183/ Tr. 71, DMR 141, 144
Tr. 201	Ent. No. 701, 702, 703, 704, 705, 706, 707
Tr. 202	Ent. No. 721, 724, 725, 726, 727
Tr. 203	Ent. No. 741,, 750/Tr. 204, Ent. No. 762

Performance of entries Azad Uttam was good in Regional Station trial. All Breeding materials were in good condition.

Agronomy

NxG trials for all 4 maturity group were sown late i.e. on 3-4 August 2005 because of continuous rains. Nitrogen close indications (Full & Med. 60:120:180) and early, extra & extra early 40:100:160) are clearly seen in all the trials. Agronomical management for excessive moisture stress tolerance (synthetic variety) in treatment No. 5 & 6 are better.

FLDs: The team visited Azad Uttam demonstration in Shiv Raj pur block Vill. Sinkandarpur in Kanpur Nagar, Plant population is low but cob size and plant growth is good.

Pantnagar Breeding

All coordinated trials, 3 zonal trials, 7 station trials are state varietal trial were planted. Plant growths in all trials were very good but plant population in all the trials either in one or another replication is less. Plant population is early stage (at germination) was more or less good but late it became low because of heavy and continuous rains (waterlogged conditions) or later on due to drought and in some trials because of less number of seeds per packet. Cobs on each and every plant was very good. Sweet corn trial was rejected because of low and poor plant population.

Pathology

11 trials were sown (Tr. 61 to 64 and 75-78 and QPM 1,2,3) to screen the materials against BLSB, BSDM and Erwinia stalk rot at present observations were recorded for BLSB rating is as follow:-

Tr. 61	Plot No. 8112, 22, 23, 29, 30, 31 and 32-2.0
Tr. 62	Plot No. 8008, 16-2.0, Tr. 63-Plot No. 7824-2.0
Tr. 64	Plot No. 7703, 7705, -2.0 to 2.5
Tr. 76	Plot No. 8346, 55, 63 and 66) Tr. 77 plot no. 8403, 05 & 14-2.0 Rating 2.5, 1.5 2.0

Tr. 78 plot no. 89501(3.0), 8504(2.0), 8507 (2.5), 8512(2.0), 8515 (2.0), 8516 (2,5), 8519 (2.0) 8522(2.0) and 8526(2.0).

QPM 1,2 and 3 Trials had some resistant materials for BLSB. 7 inbreds of breeding materials also showed resistance for BLSB. BSDM and Erwinia stalk rot observations will be recorded at later stage.

Soil Science

4 trials (TR 75 to 78) are being conducted for waterlogging and one trial NxG is also being conducted. Following these materials are being maintained by selfing. Tr. 75 (Plot No. 8306), Tr. 76 (Plot no. 8355, 8363), Tr. 77 (Plot no. 8417, 8436)

NxG-4 materials with 4 N levels 0, 60, * 180 is also being conducted. 60 & 180 N levels have clear indications of nitrogen.

FLDs: 55 FLDs having stage III hybrids of Pantnagar center were being conducted in US NAGAR, Nainital, Tehri, Haridwar, Pauri and Dehradun districts.

Almora
Breeding

14 coordinated, 4 zonal and 6 station trials were planted. Plant growth of these trials is very good. Plant population in all the trials is also more than 85%. Almora station did not conduct 6 trials of full season and medium maturity trials. Centre should conduct these trials also as this is mandatory to all centers in the country. Following entries are performing better in different trials.

Tr. 63 Ent. No. 13, 27, 29. Tr. 64-Ent. No. 3, 6, 7
Tr. 67 Ent. No. 3,5,6. Tr. 68. Ent. No. 1,2,3
Tr. 71- Ent. No. 1,2, Tr. 72-Ent no. 1,2,3
Zonal Tr. 103- Ent. No. 1,4,10, Tr. 103A, Ent. 7,9,11
QPM1-Ent. No. 9, 13, QPM2-Ent. No. 9, 12
Station Trial 2 -Ent no.1,11,12, Strn. Tr. 3-Entry no. 4, Stn Tr-4,
Ent. No.6,9,11

Breeding programme for single cross development is being carried out and special emphasis for single cross production through marker assisted breeding programme is being given.

Pathology

All coordinated trials were sown and inoculated for H. turcicum but low incidence of this disease was recorded in absence of low rainfall in August. In CM 600, CM 601 in Trap nursery two materials in Gene Pyramiding Trial, heavy incidence of H. turcicum was observed. Trial QPM1,2,3 were escaped from H. turcicum as they were sown late.

Agronomy

Three coordinated trials NxG for extra early, Early maturity for 4 and 6 entries respectively were sown under 50:100:150 nitrogen doses. There was clear advantage of last dose over the middle one (100). One more trial having 3 entries with 50:100:150 N2 doses was received late and sown on 20.7.05. One station trial having 10 treatments with single and paired rows and with sunhemp and cowpea green manuring was sown. Green manuring effects were not visible.

FLDs: 282 FLDs in 17 hectares are being conducted in this kharif season.

Kolhapur Maize Breeding

In all 19 coordinated trials and 10 station trials of breeding were conducted. The coordinated trials included all the trials received from DMR. The crop management was excellent and all efforts were made to grow the crop nicely even in adverse conditions of excess and continuous rains soon after sowing till to flowering. The rains received in continuous 60 days was 1649.0 mm i.e. 176% of the normal average rains. This affected some of the coordinated trials viz. trial No. 61, 62, 63, 70, 71 sweet corn, zonal trials and baby corn trial. In all the trials the plant population was quite satisfactory. Among the ten station trials conducted 3 were of white single crosses, 3 were of yellow single crosses, 2 were inter-university trials and one was multilocation trial. The performance of these trials was good even in adverse condition of rains. These trials were formulated following 7x7 diallel crossing programme (six trials). The performance of some of the newly developed hybrids and advanced hybrids was promising. The nucleus seed production of newly released composite variety by this center i.e. "Karveer" was undertaken. The baby corn trials was treated as vitiated.

Maize Agronomy

Five coordinated and one station trial was conducted. The sowing of these trial was completed at proper time i.e. 20th June to 7th July, 2005. The germination was good. However, the incessant heavy rains adversely affected these trials. The initial growth was started which will result into less yield performance, besides all the care was taken to overcome the abnormal situation. The treatment effects (NxG) were prominent. The field was clean and managed. The trial on Agro technology for specialty corn (sweet corn) was treated as vitiated.

Maize Entomology

Total 8 entomological trials (6 coordinated and two station) were conducted. The sowing of these trials were carried out between 24th June and 18th August, 2005 as per the availability of culture of *C. partellus*. The culture of stem borer was released in prescribed time on all the trials. The genotypic differences were clearly observed for the resistant of the stem borer except the trial No. 77 in which the larvae of stem borer did not survive due to heavy rains after release. The culture of stem borer *Chilo partellus* was reared in well managed laboratory in such a manner that the availability of it for release was continuous.

Frontline demonstrations: Out of 200 FLDs allotted, 120 have been conducted in kharif season. The seed of newly released composite 'Karveer' was supplied to farmers. The performance of this composite is better than the other varieties even in adverse condition. The Maize Day" was organized which was attendee by more than 100 farmers from Shirala Taluka. It was decided to carry out the seed village concept.

Arbhavi

Maize Breeding

All the trials received from DMR were planted. In all 29 trials were conducted which included 19 coordinated, 2 zonal, 4 stations and other trial (Breeding programme). The crop management were excellent and all the trials were conducted as per DMR guidelines. The sowing was carried out between 14th July and 15th July, 2005. The crop stand was good and crop was healthy. The excess and continuous rains received during early stage of crop growth did not have adverse effect on crop growth and establishment. However, TLB and common rust diseases were noticed severely on some entries. The project has developed two three way cross hybrids viz. EH 434041 and EH 434042. Among this the later is performing better in multilocation trials free from pests and diseases. The demonstration plot of this hybrid on one acre is taken and the performance was excellent. The project has maintained 65 germplasm lines in this season. Besides 226 single cross experimental hybrids developed at this center are evaluated in this season and the performance was fair.

Maize Pathology

In all 16 pathological trials were implemented of which 12 were from DMR and 3 from station trials. All the coordinated trials were concluded properly following the proper methodology. Artificial inoculation for TLB and common rust was done at appropriate time which resulted into good expression of these diseases. Some of the entries exhibited high susceptibility to TLBC rust. However, few entries showed resistant reaction from the various trials. Under disease trap nursery trial both TLB and common rust were noticed in severe form. Mass multiplication of TLB inoculation was prepared in the laboratory and applied in the field on all the trials. Sowing of pathological trials was taken up between 24th July and 9th August, 2005. The crop management was excellent.

Maize Frontline demonstrations: Total 150 FLDs were allotted by DMR for the year 2005-06. Of this 100 FLDs were organized by distributing the seeds of DMH-2, Renuka and Prabhha. The performance of composite (Renuka and Prabhha) was good and the farmers appreciated these composites. The management of the FLDs by the farmers was good.

Bahraich

The team was impressed seeing all the four experiments which were in good shape. The management was excellent and all the things were in good order. Observations were recorded as per plan. The plan stand was perfect and the weed control was proper. Four agronomic trials were conducted where different varieties were tested against three nitrogen levels in all the three maturity groups. The fourth experiment compared of excessive soil moisture management where raised bed planting and ridge planting treatments looked good.

The team also visited FLDs which were conducted by KVK. It was observed that none of the public sector hybrids/varieties were tested in FLDs. It was suggested that the efforts be made

to make available. Seed of public seed hybrids/varieties in all 50 FLDs were conducted. The hybrid GK 3101 looked good at various places like Fakhn pin Bengla chak, Bajana etc.

Some damage in border rows at the center was observed. The team felt need for fencing of the center so that the experiments may be conducted without damage by wild animals and to avoid pilferage. For this, if required addition funds may be made available.

Belipar, Gorakhpur

About 800 germplasms were planted which comprises of inbreds and population. The monitoring team including maize breeder of the station selected 40 lines for future hybrid breeding programme. The team suggested the seed multiplication of selected lines should be taken in Rabi 2005-06 and crosses may also be attempted for the development of hybrids. The team also selected and identified some of the good entries in station trial. It was suggested that these may be contributed in the IET.

There is urgent need of improving the fertility status of the soil at the center as the expression of genotypes were not at it fullest. In order to avoid the damage and pilferage the team suggested the fencing of the experimental area.

The team also visited the FLD's at Ratanpura village in Deoria Distt. Planted by PRDF. FLD was upto the mark. However, the details were not provided to the team. The team also interacted with the local maize farmers and participated in the Kisan Goshti.

Dholi

The team was very much impressed by the management of the experiments. The breeding programme was well planned as well as well executed. The trials were in very good shape and the observations were recorded in a very proper and systematic matter. Some sporadic incidence was observed for maydis leaf blight in some of the entries in various trials.

The breeding strategy is well planned and well executed. Emphasis is being given to the production of hybrids in QPM maize. The team was impressed seeing the maintenance of inbred which were very uniform. It was suggested by the team that instead of testing combining ability at later stages. S2 levels lines should be evaluated for per se performance and test of combining ability while selecting lines. The lines should be identified for male and female parents.

The team also visited Patholgoical, agronomic and entomological experiments. The trials were in good shape and data were recorded as per plan.

FLDs were also visited by the team. Krishan Goshti was also arranged which was also attended by university authorities. The team was pleased to see the response of farmers who are eager to QPM maize. The FLDs comprising of Shaktiman-1 and Shaktiman 4 QPM hybrids were in good shape.

The work done by Maize Neurologist is worth commendable. The team is hopeful that this will had eliminating the nutrition problem of the area. All that team realized is that every this is excellent.

Jashipur

Due to erratic rainfall the genotypes could not crosses themselves in fullest. Heavy rains followed by long drought spell led to the failure in some of the trials. The team suggested following points to the scientists of the station.

1. All the materials and germplasm should be maintained under controlled pollination ear
2. Ridge or used bed planting will help raising a good crop
3. Planting of the trials should be done but early in order to avoid the effect of waterlogging.
4. Waterlogging tolerant composite from Pantnagar may be used in FLDs as the area is to excess moisture prone.
5. The team observed FLDs which were in good shape.

Ranchi

A total of six coordinated three zonal and one station trial was planted. Trial 62, 63, 301, 302, and 303 are rejected due to poor plant stand. The failure in trial occur due to erratic rainfall pattern which led to the hindrance in the establishment of plant stand. A long dry spell again affected the crop growth. Four trials were in good conditions where team observed some of the good entries.

Breeding programme is clear where the station is working on all the three maturity groups. Hybrid breeding programme has been initiated where the inbred lines are being developed, maintained. Some of the lines have been used for testing general combining ability.

The team suggested that all the lines should be planted in an observation cum erudition on nursery. The elite lines may be maintained through alternate selfing and sibbing good inbred lines may be used for the development of single cross hybrids.

The team also visited few FLDs and interacted with the maize growing farmers. It's a matter of pleasure that farmers are eager to plant maize instead of upland rice and millets.

Banswara Maize Breeding

In all 21 trials consists of coordinated, zonal and station trials were successfully planted as per allotted approved programme. Performance of all the trials were satisfactory. There were high wind velocity in the first week of September i.e. at the flowering grain filling stage resistant crop suffered from lodging in some of the plots whereas most of the plots were exhibiting good performance and well expressed in their characteristics. Record able could be generated from all the trials except sweet corn trial.

Maize Agronomy

All coordinated trials viz., NxG (medium), early and extra early, integrated weed management, moisture management and organic management trials on pop corn and sweet soaking were conducted. Crop coordination appears satisfactory except lodging in some of the trial i.e. trial on pop corn and seed soaking and weed management due to high wind velocity and stormy rains. Reportable data could be obtained from all above mentioned trials.

Trials coordinated (Breeding trials). These advanced stage coordinated trials AET II/Full season, medium and early were planted ARSS, Pratapgarh. Performance of these trials were good.

FLDs: One hundred FLDs were conducted by ARS, Banswara and 162 FLDs were planted by KVK Banswara in following and 162 FLDs were planted by KVK Banswara in following varieties-PEHM-2, Arawali Makka-1, Mahi Kanchan, Mahi Dhawal, some of the FLDs on maize + soybean intercropping were also conducted by ARS Banswara. Some of the FLDs were visited on dated 23.9.05 and interacted with progressive farmers. Field day was organized in Village Tejpur on PEHM-2.

Godhra:

Maize Breeding:

In all 37 trials comprising of coordinated, zonal, station and other (CIMMYT) trials were conducted at Maize Research Centre Godhra. Two coordinated (AET II) at two zonal trials (502 & 503) were also taken at Maize Research Sub center, Khedburmla and one advance trials (AET II) was also conducted at Dohad center. All trials at Godhra center were monitored and exhibiting good performance. Reportable data could be generated from all the trials.

Agronomy

All four coordinated trials were conducted. These was good response of N1 N2 and N3 doses on mandatory trials of NxGermplmas. In addition to these coordinated trials four more trials based on local specific problems were conducted. The overall condition of crop was good. It could be possible to generate reportable data from all experiment except baby corn trial because of poor plant population.

FLD: Two hundred FLDs comprising of following varieties GM-2, GM-4, GM-6, Narmada and sweet corn were conducted in different villages. Out of their 80 trials on GM-2 were exercising planted in North Gujarat. Some of the trials near to Godhra and Baroda were visited. Their performance was satisfactory.

Plant protection: No programme was given by DMR. However station programme on screening of promising maize germplasm against stem borer, IPM, response of biofertilizer were conducted. In addition to above IPM trial on farmers field was conducted (at Barmaroli khurd village). This trial was allotted by P.I. entomology.

Chhindwara:

In all 28 trials of coordinated (16) zonal (3), station (7) and others (2) were planted as per plan and performance of varietal differential were very clearly visible in most of the trials. Reportable data could be generated from all the trials.

Maize Agronomy

All coordinated trials were conducted as per allotted programme. The crop condition was good in general. As per opinion of AICMIP incharge and thorough discussion, team reach to the conclusion that only one replication of baby corn trial was harvested timely, similarly green cob and sweet corn trials was not harvested timely. In another trial of moisture management studies treatment application part was not proper. Hence reportable data from these three trials could not be generated. Remaining all 7 trials were satisfactory.

FLDs: Total 427 FLDs on maize were planted near to Chhindwara were visited and field day was organized at village "Poawa" interaction with progressive farmers several awakening in planting improved varieties. Performance of FLD was excellent.

Udaipur:

All six coordinated trials were conducted. In N xG trials crop shows good response of different dose of nitrogen. In addition to size coordinated trials, two other trials were conducted based on local specific problems. Overall agronomic management and response of crop of various treatment was excellent.

Maize Nematology

Three coordinated trials and three station trials were successfully conducted as per approved programme. The performance of all the trials were good. Observations were recorded as per mandate.

Maize pathology

Eleven coordinated and two station trials were successfully conducted from RDM screening and Fusarium stalk rot screening trial total 508 entries were tested under AMBIONET programme. Observations were recorded as per programme and performance of all the trials were very good. Under trap nursery trials 12 inbreds were involved. Very courpecuous differences were observed amongst resistance and susceptible genotypes in major diseases under record.

Maize Breeding

In all 21 trials comprising of 11 coordinated trials, 2 zonal trials, 1 multilocation station trials and 2 station trials and 4 specialty corn trials were conducted. Performance of all the trials were good. Data were recorded as per approved programme. The baby corn trials could not be reported due to poor plant stand. The seed materials of NBPGR were also planted for exhibition.

One hundred fourteen FLD were conducted under AICMIP. Performance were satisfactory however, some lodging were observed in most of the FLDs due to stormy rains during grain filling stage. Field day (Makka Diwas) was organized on dated 10.10.05 in village Khododa. Hon'ble Vice Chancellor, Prof. S.L Mehta was the Chief Guest of the function.

TRIAL NO. 61 FULL SEASON MATURITY (IET)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 2

ROW LENGTH 5 m

LOCATION : SRINAGAR , POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI,
 JORHAT , SIKKIM, DELHI, LUDHIANA, KARNAL, PANTNAGAR ,
 KANPUR, VARANASI, BELIPAR, DHOLI, JASHIPUR, RANCHI,
 HYDERABAD, KARIMNAGAR , KOLHAPUR , MANDYA, NAGANAHALLY ,
 COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDWARA,
 SYNGENTA, MONSANTO, POC, KANCHANGANGA, PHS, RALLIS INDIA,
 PROAGRO

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R2	R4
1	J H - 10704	DMR - 601	LUDHIANA	8122	8140	8184	8219
2	J H - 10983	DMR - 602	LUDHIANA	8101	8147	8178	8216
3	J H - 11024	DMR - 603	LUDHIANA	8126	8154	8172	8226
4	J H - 11031	DMR - 604	LUDHIANA	8106	8161	8173	8197
5	J H - 11044	DMR - 605	LUDHIANA	8118	8134	8168	8204
6	J H - 11058	DMR - 606	LUDHIANA	8112	8136	8174	8221
7	J H - 11068	DMR - 607	LUDHIANA	8114	8137	8188	8211
8	E H - 434041	DMR - 608	ARABHAVI	8123	8142	8193	8228
9	E H - 434042	DMR - 609	ARABHAVI	8109	8164	8192	8225
10	N A H - 1144	DMR - 610	NAGANAHALLI	8103	8145	8185	8224
11	N A H - 1137	DMR - 611	NAGANAHALLI	8120	8152	8179	8205
12	N A H - 2049	DMR - 612	NAGANAHALLI	8117	8163	8194	8200
13	H K H - 1178	DMR - 613	KARNAL	8121	8151	8196	8217
14	H K H - 1236	DMR - 614	KARNAL	8116	8153	8171	8220
15	M H 05-1	DMR - 615	DHOLI	8128	8162	8166	8208
16	M H 05-2	DMR - 616	DHOLI	8110	8133	8183	8215
17	B H - 2004200	DMR - 617	HYDERABAD	8102	8148	8165	8223
18	NECH - 131	DMR - 618	SYNGENTA	8125	8150	8181	8212
19	NECH - 132	DMR - 619	SYNGENTA	8115	8156	8186	8201
20	MCH - 28	DMR - 620	MONSANTO	8131	8155	8177	8202
21	MCH - 29	DMR - 621	MONSANTO	8111	8159	8189	8214

(CONT.)

ENT. PEDIGREE NO.	CODE	ORIGIN	REPLICATION			
			R1	R2	R2	R4
22	30 R 77	DMR - 622 POC	8104	8139	8191	8207
23	P O L O	DMR - 623 KANCHANGANGA	8129	8135	8195	8210
24	X - 4010	DMR - 624 KANCHANGANGA	8130	8143	8169	8199
25	P H S - 54	DMR - 625 PHS AGRI PVT	8113	8144	8182	8222
26	R I L - 1111	DMR - 626 RALLIS INDIA	8127	8141	8187	8198
27	PRO - 365	DMR - 627 PROAGRO	8119	8146	8190	8218
28	PRO - 367	DMR - 628 PROAGRO	8105	8138	8175	8227
CHECKS:						
29	PARBHAT	DMR - 629 LUDHIANA	8132	8149	8170	8206
30	SEEDTEC - 2324	DMR - 630 SEEDTEC	8124	8157	8167	8203
31	BIO - 9681	DMR - 631 BIO SEED	8108	8160	8176	8213
32	PRO - 311	DMR - 632 PROAGRO	8107	8158	8180	8209

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI,
KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD,
COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

NEMATOLOGY: UDAIPUR

SOIL SCIENCE : PANTNAGAR

* SEED FOR PATHOLOGY IS FOUR ROW AND TWO REPLICATION

TRIAL NO. 62 MEDIUM MATURITY (IET)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 2
 ROW LENTH 5 m

LOCATION : SRINAGAR, POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI, JORHAT
 SIKKIM, DELHI, LUDHIANA, KARNAL, PANTNAGAR, KANPUR, RANCHI
 VARANASI, BELIPAR, DHOLI, JASHIPUR, HYDERABAD, KARIMNAGAR
 KOLHAPUR, MANDYA, NAGANAHALLY, COIMBATORE, UDAIPUR
 BANSWARA, GODHRA, CHHINDWARA, J K AGRI, ADVANTA, MONSANTO
 KACHANGANGA, SEEDTEC, RALLIS INDIA

ENT. PEDIGREE NO.	CODE	ORIGIN	REPLICATION				
			R1	R2	R3	R4	
1	L - 173	DMR - 576 BAJAURA	8023	8038	8065	8094	
2	E H - 1753	DMR - 577 UDAIPUR	8007	8032	8052	8089	
3	E H - 1491	DMR - 578 UDAIPUR	8015	8046	8059	8082	
4	EH - 1561	DMR - 579 UDAIPUR	8022	8036	8049	8091	
5	ICW 0301 (ZM421)	DMR - 580 GODHRA	8013	8039	8069	8073	
6	R - 2005 -4	DMR - 581 KANPUR	8002	8031	8051	8076	
7	CHH - 227	DMR - 582 CHHINDWARA	8008	8042	8067	8081	
8	A H - 48007	DMR - 583 DELHI	8004	8040	8053	8090	
9	A H - 48012	DMR - 584 DELHI	8003	8043	8066	8083	
10	B H - 200488	DMR - 585 HYDERABAD	8018	8029	8063	8093	
11	M H 05-3	DMR - 586 DHOLI	8024	8033	8064	8092	
12	M H 05-4	DMR - 587 DHOLI	8017	8027	8056	8077	
13	V - 36	DMR - 588 VARANASI	8005	8048	8061	8086	
14	W C - 237	DMR - 589 BANSWARA	8010	8030	8050	8087	
15	J K M H - 44	DMR - 590 J K AGRI	8001	8044	8072	8074	
16	J K M H - 462	DMR - 591 J K AGRI	8011	8045	8060	8088	
17	P A C - 736	DMR - 592 ADVANTA	8019	8035	8068	8084	
18	M C H - 30	DMR - 593 MONSANTO	8020	8026	8058	8078	
19	X - 9409	DMR - 594 KANCHANGANGA	8009	8028	8070	8095	
20	S M H - 21034	DMR - 595 SEEDTEC	8016	8041	8071	8096	
21	R I L - 5555	DMR - 596 RALLIS INDIA	8006	8047	8055	8075	
CHECKS:							
22	NAVJOT	DMR - 597 LUDHIANA	8012	8025	8054	8085	
23	K H - 510	DMR - 598 K.GANGA	8021	8037	8062	8080	
24	BIO- 9637	DMR - 599 BIO SEED'S	8014	8034	8057	8079	

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

NEMATOLOGY: UDAIPUR

SOIL SCIENCE : PANTNAGAR

* SEED FOR PATHOLOGY IS FOUR ROW AND TWO REPLICATION

TRIAL NO. 63 EARLY MATURITY (IET)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 2

ROW LENGTH 5 m

LOCATION : SRINAGAR , POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI, JORHAT
SIKKIM, DELHI, LUDHIANA, KARNAL, PANTNAGAR, KANPUR, VARANASI
BELIPAR, DHOLI, JASHIPUR, RANCHI, HYDERABAD, KARIMNAGAR,
KOLHAPUR, MANDYA, NAGANAHALLY, COIMBATORE, UDAIPUR, BANSWARA
GODHRA, CHHINDWARA, JHABUA, ADVANTA, MONSANTO, KANCHANGANGA,
PROAGRO

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H - 31045	DMR - 541	LUDHIANA	7824	7840	7880	7919
2	J C - 3287	DMR - 542	LUDHIANA	7829	7854	7878	7897
3	J C - 3288	DMR - 543	LUDHIANA	7814	7850	7890	7914
4	J C - 3289	DMR - 544	LUDHIANA	7802	7844	7883	7917
5	E H - 1496	DMR - 545	UDAIPUR	7818	7856	7865	7899
6	E H - 1497	DMR - 546	UDAIPUR	7812	7839	7882	7916
7	E H - 1495	DMR - 547	UDAIPUR	7813	7841	7868	7907
8	E H - 1506	DMR - 548	UDAIPUR	7826	7862	7887	7901
9	IHY 0364	DMR - 549	GODHRA	7801	7852	7886	7912
10	B V M - 10	DMR - 550	RANCHI	7822	7838	7869	7928
11	B V M - 9 - 1	DMR - 551	RANCHI	7810	7860	7877	7922
12	D - 131	DMR - 552	PANTNAGAR	7803	7853	7870	7909
13	F H - 3311	DMR - 553	ALMORA	7808	7858	7867	7904
14	R - 2005 - 1	DMR - 554	KANPUR	7805	7835	7866	7921
15	R - 2005 - 2	DMR - 555	KANPUR	7820	7861	7881	7900
16	R - 2005 - 3	DMR - 556	KANPUR	7825	7863	7889	7915
17	A H - 47192	DMR - 557	DELHI	7821	7834	7885	7918
18	A H - 48005	DMR - 558	DELHI	7827	7847	7873	7911
19	A H - 48011	DMR - 559	DELHI	7804	7848	7891	7924
20	U M H - 8	DMR - 560	BELIPAR	7823	7849	7884	7903

(CONT.)

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
21	M H 05-5	DMR - 561	DHOLI	7832	7833	7892	7920
22	V - 35	DMR - 562	VARANASI	7817	7845	7888	7905
23	W H -4	DMR - 563	BANSWARA	7828	7837	7875	7923
24	I V - 421	DMR - 564	JHABUA	7806	7842	7871	7927
25	P A C - 712	DMR - 565	ADVANTA	7815	7851	7895	7926
26	M C H - 32	DMR - 566	MONSANTO	7816	7846	7879	7906
27	X - 9411	DMR - 567	KANCHANGANGA	7831	7864	7872	7913
28	PRO 368	DMR - 568	PROAGRO	7811	7843	7874	7902
29	PRO 369	DMR - 569	PROAGRO	7809	7857	7896	7898
CHECKS:							
30	KIRAN	DMR - 570	LUDHIANA	7819	7855	7894	7925
31	PARKASH	DMR - 571	LUDHIANA	7830	7859	7876	7910
32	X - 3342	DMR - 572	P O C	7807	7836	7893	7908

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

NEMATOTOLOGY: UDAIPUR

SOIL SCIENCE : PANTNAGAR

* SEED FOR PATHOLOGY IS FOUR ROW AND TWO REPLICATION

TRIAL NO. 64 EXTRA EARLY MATURITY (IET)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 2

ROW LENGTH 5 m

LOCATION : SRINAGAR , POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI,
 JORHAT ,SIKKIM, DELHI, LUDHIANA, KARNAL , PANTNAGAR,
 KANPUR, VARANASI, BELIPAR, DHOLI, JASHIPUR, HYDERABAD
 KARIMNAGAR, KOLHAPUR, MANDYA, NAGANAHALLY, COIMBATORE
 UDAIPUR, BANSWARA, GODHRA, CHHINDWARA, SEEDTEC, RANCHI

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H - 31041	DMR - 521	LUDHIANA	7707	7719	7740	7747
2	J H - 31046	DMR - 522	LUDHIANA	7706	7723	7744	7755
3	J H - 31050	DMR - 523	LUDHIANA	7713	7722	7738	7760
4	B V M - 9	DMR - 524	RANCHI	7710	7717	7741	7757
5	F H - 3294	DMR - 525	ALMORA	7714	7730	7739	7752
6	F H - 3352	DMR - 526	ALMORA	7702	7729	7731	7749
7	S M H - 49114	DMR - 527	SEEDTEC	7704	7724	7737	7758
8	A H - 31021	DMR - 528	DELHI	7708	7716	7742	7748
9	A H - 31037 **	DMR - 529	DELHI	7703	7721	7734	7751
10	ANEP COMP -04	DMR - 530	DELHI	7705	7726	7745	7750
11	W C - 236	DMR - 531	BANSWARA	7712	7718	7743	7759
12	V C - 2005	DMR - 532	VARANASI	7711	7727	7732	7746
CHECKS:							
13	HIM - 129	DMR - 533	ALMORA	7701	7720	7736	7753
14	SURYA	DMR - 534	PANTNAGAR	7709	7725	7733	7754
15	AMAR	DMR - 535	PANTNAGAR	7715	7728	7735	7756

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI,
 KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD,
 COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

NEMATOLOGY: UDAIPUR, DELHI

SOIL SCIENCE : PANTNAGAR

** PARKASH (FILLER) FOR RANCHI

* SEED FOR PATHOLOGY IS FOUR ROW AND TWO REPLICATION

TRIAL NO. 65 Z -1 FULL SEASON MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m

LOCATION : SRINAGAR , POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI,
 JORHAT ,SIKKIM

ENT. PEDIGREE NO.	ZONE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	M. S. POOL	C7	1 DMR-474 LUDHIANA	7503	7510	7514	7519
2	B I O - 31006	1	DMR-475 BIO SEED'S	7506	7511	7516	7521
CHECKS:							
3	PARBHAT	1	DMR-476 LUDHIANA	7505	7507	7515	7520
4	SEEDTEC - 2324	1	DMR-477 SEEDTEC	7501	7508	7517	7524
5	BIO - 9681	1	DMR-478 BIO SEED	7504	7512	7513	7523
6	PRO - 311	1	DMR-479 PROAGRO	7502	7509	7518	7522

TRIAL NO. 65 Z -2 FULL SEASON MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m

LOCATION: DELHI, LUDHIANA, KARNAL, PANTNAGAR, KANPUR,
 SYNGENTA*, MONSANTO*, (* PLANT ZONE -II ONLY)

ENT. PEDIGREE NO.	ZONE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	B H - 3313	2	DMR-481 HYDERABAD	7538	7541	7549	7562
2	M. S. POOL	C7	2 DMR-482 LUDHIANA	7539	7547	7553	7559
3	TUX. POOL	C7	2 DMR-483 LUDHIANA	7531	7544	7556	7566
4	NECH - 129	2	DMR-484 SYNGENTA	7533	7540	7552	7563
5	MCH - 23	2	DMR-485 MONSANTO	7535	7546	7554	7561
CHECKS:							
6	PARBHAT	2	DMR-486 LUDHIANA	7532	7545	7555	7560
7	SEEDTEC - 2324	2	DMR-487 SEEDTEC	7536	7548	7551	7558
8	BIO - 9681	2	DMR-488 BIO SEED	7537	7543	7557	7565
9	PRO - 311	2	DMR-489 PROAGRO	7534	7542	7550	7564

TRIAL NO. 65 Z -3 FULL SEASON MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m
 LOCATION: VARANASI, BELIPAR, DHOLI, JASHIPUR, KUSHMOHOT,
 AMBIKAPUR, RANCHI, SYNGENTA*, MONSANTO*,
 (* PLANT IN ZONE -III ONLY)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	M.S. POOL C7	3	DMR-491	LUDHIANA	7574	7584	7590	7592
2	NECH - 129	3	DMR-492	SYNGENTA	7571	7582	7586	7594
3	MCH - 23	3	DMR-493	MONSANTO	7573	7583	7591	7593
CHECKS:								
4	PARBHAT	3	DMR-494	LUDHIANA	7577	7578	7589	7595
5	SEEDTEC - 2324	3	DMR-495	SEEDTEC	7572	7580	7588	7597
6	BIO - 9681	3	DMR-496	BIO SEED	7576	7581	7585	7596
7	PRO - 311	3	DMR-497	PROAGRO	7575	7579	7587	7598

TRIAL NO. 65 Z -4 FULL SEASON MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m
 LOCATION: HYDERABAD , KARIMNAGAR , KOLHAPUR , MANDYA ,
 NAGANAHALLY, COIMBATORE, ARBHAVI, SYNGENTA

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	M. S. POOL C7	4	DMR-501	LUDHIANA	7601	7609	7621	7627
2	TUX. POOL C7	4	DMR-502	LUDHIANA	7605	7611	7616	7628
3	NECH - 129	4	DMR-503	SYNGENTA	7607	7608	7618	7626
CHECKS:								
4	PARBHAT	4	DMR-504	LUDHIANA	7603	7613	7619	7624
5	SEEDTEC - 2324	4	DMR-505	SEEDTEC	7606	7610	7615	7623
6	BIO - 9681	4	DMR-506	BIO SEED'S	7602	7614	7617	7625
7	PRO - 311	4	DMR-507	PROAGRO	7604	7612	7620	7622

TRIAL NO. 65 Z - 5 FULL SEASON MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION: UDAIPUR , BANSWARA , GODHRA , CHHINDWARA,
 SYNGENTA* (* PLANT IN ZONE FIVE ONLY .)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION				
					R1	R2	R3	R4	
1	M. S. POOL	C7	5	DMR-511	LUDHIANA	7654	7659	7671	7674
2	TUX. POOL	C7	5	DMR-512	LUDHIANA	7655	7663	7665	7675
3	NECH - 128		5	DMR-513	SYNGENTA	7653	7664	7666	7672
CHECKS:									
4	PARBHAT		5	DMR-514	LUDHIANA	7652	7658	7669	7677
5	SEEDTEC - 2324		5	DMR-515	SEEDTEC	7651	7661	7670	7678
6	BIO - 9681		5	DMR-516	BIO SEED	7656	7662	7667	7673
7	PRO - 311		5	DMR-517	PROAGRO	7657	7660	7668	7676

TRIAL NO. 66 Z -1 MEDIUM MATURITY. (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION : SRINAGAR , POONCH, BAJAURA, KANGRA, ALMORA,
 BARAPANI, JORHAT ,SIKKIM

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION				
					R1	R2	R3	R4	
1	CHH - 219	1	DMR-401	CHHINDWARA	7204	7218	7225	7231	
2	H K H - 1188	1	DMR-402	UCHANI	7202	7213	7226	7234	
3	M H 03-2	1	DMR-403	DHOLI	7206	7220	7229	7238	
4	V - 33	1	DMR-404	VARANASI	7210	7211	7228	7232	
5	J K M H - 702	1	DMR-405	J K AGRI	7209	7214	7222	7237	
6	X - 85	1	DMR-406	KANCHANGANGA	7201	7212	7223	7240	
7	P M Z - 150	1	DMR-407	EMERGENT	7205	7215	7227	7233	
CHECKS:									
8	NAVJOT	1	DMR-408	LUDHIANA	7208	7217	7224	7236	
9	K H - 510	1	DMR-409	K.GANGA	7207	7216	7221	7239	
10	BIO- 9637	1	DMR-410	BIO SEED'S	7203	7219	7230	7235	

TRIAL NO. 66 Z-2 MEDIUM MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m

LOCATION: DELHI, LUDHIANA, KARNAL, PANTNAGAR, KANPUR,
 J K AGRI* (*PLANT ZONE -II ONLY)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J K M H - 702	2	DMR-411	J K AGRI	7254	7257	7265	7273
2	M H 03-2	2	DMR-412	DHOLI	7255	7259	7268	7270
3	V - 32	2	DMR-413	VARANASI	7252	7260	7263	7274
CHECKS:								
4	NAVJOT	2	DMR-414	LUDHIANA	7251	7262	7264	7271
5	K H - 510	2	DMR-415	K. GANGA	7256	7261	7266	7269
6	BIO- 9637	2	DMR-416	BIO SEED'S	7253	7258	7267	7272

TRIAL NO. 66 Z -3 MEDIUM MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m

LOCATION: VARANASI, BELIPAR, DHOLI, JASHIPUR, KUSHMOHOT,
 AMBIKAPUR, RANCHI, EMERGENT* (*PLANT IN ZONE -III ONLY)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	E C - 3138	3	DMR-421	UDAIPUR	7307	7317	7327	7349
2	CHH - 219	3	DMR-422	CHHINDWARA	7308	7316	7333	7340
3	A H - 31417	3	DMR-423	DELHI	7303	7315	7330	7345
4	A H - 31406	3	DMR-424	DELHI	7306	7323	7338	7346
5	H K H - 1191	3	DMR-425	UCHANI	7313	7319	7337	7351
6	H K H - 1188	3	DMR-426	UCHANI	7305	7325	7331	7350
7	M H 03-2	3	DMR-427	DHOLI	7312	7318	7335	7352
8	V - 32	3	DMR-428	VARANASI	7304	7326	7328	7347
9	V - 33	3	DMR-429	VARANASI	7302	7324	7336	7348
10	P M Z - 150	3	DMR-430	EMERGENT	7310	7322	7329	7341
CHECKS:								
11	NAVJOT	3	DMR-431	LUDHIANA	7309	7314	7334	7344
12	K H - 510	3	DMR-432	K. GANGA	7311	7320	7332	7343
13	BIO- 9637	3	DMR-433	BIO SEED'S	7301	7321	7339	7342

TRIAL NO. 66 Z-4 MEDIUM MATURITY (AET 1st YEAR)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 4

ROW LENTH 5 m

LOCATION: HYDERABAD, KARIMNAGAR, KOLHAPUR, MANDYA, NAGANAHALLY
COIMBATORE , ARBHAVI, JK AGRI*, KANCHANGANGA*,
EMERGENT*, SHAKTI SEEDS* (* PLANT OTHER THAN
HYDERABAD LOCATION)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	E C - 3138	4	DMR-441	UDAIPUR	7410	7418	7428	7448
2	CHH - 218	4	DMR-442	CHHINDWARA	7408	7422	7427	7452
3	A H - 31403	4	DMR-443	DELHI	7406	7416	7435	7451
4	H K H - 1188	4	DMR-444	UCHANI	7403	7425	7439	7445
5	M H 03-2	4	DMR-445	DHOLI	7401	7424	7438	7442
6	J K M H - 702	4	DMR-446	J K AGRI	7409	7417	7431	7441
7	X - 85	4	DMR-447	KANCHANGANGA	7413	7415	7437	7443
8	P M Z - 150	4	DMR-448	EMERGENT	7402	7426	7429	7446
9	P M Z - 139	4	DMR-449	EMERGENT	7405	7419	7436	7447
10	S M H - 3103	4	DMR-450	SHAKTI SEEDS	7412	7423	7432	7444
CHECKS:								
11	NAVJOT	4	DMR-451	LUDHIANA	7404	7420	7430	7449
12	K H - 510	4	DMR-452	K.GANGA	7411	7421	7433	7440
13	BIO- 9637	4	DMR-453	BIO SEED'S	7407	7414	7434	7450

TRIAL NO. 66 Z -5 MEDIUM MATURITY (AET 1st YEAR)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 4

ROW LENTH 5 m

LOCATION: UDAIPUR , BANSWARA , GODHRA , CHHINDWARA, JK AGRI*,
KANCHANGANGA*, EMERGENT*, SHAKTI SEEDS* (* PLANT
OTHER THAN HYDERABAD LOCATION)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	L - 186	5	DMR-461	BAJAURA	7456	7470	7479	7497
2	A H - 31406	5	DMR-462	DELHI	7466	7474	7484	7498
3	M H 03-2	5	DMR-463	DHOLI	7461	7477	7481	7495
4	V - 32	5	DMR-464	VARANASI	7459	7476	7488	7494
5	J K M H - 702	5	DMR-465	J K AGRI	7460	7469	7487	7490
6	X - 85	5	DMR-466	KANCHANGANGA	7457	7471	7483	7496
7	P M Z - 150	5	DMR-467	EMERGENT	7464	7467	7485	7492
8	S M H - 3103	5	DMR-468	SHAKTI SEEDS	7458	7473	7478	7499
CHECKS:								
9	NAVJOT	5	DMR-469	LUDHIANA	7463	7468	7480	7493
10	K H - 510	5	DMR-470	K.GANGA	7465	7472	7482	7491
11	BIO- 9637	5	DMR-471	BIO SEED'S	7462	7475	7486	7489

TRIAL NO. 67 Z-1 EARLY MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION : SRINAGAR, POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI,
 JORHAT ,SIKKIM

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J C - 3272	1	DMR -321	LUDHIANA	6912	6923	6933	6942
2	L - 201	1	DMR -322	BAJAURA	6903	6913	6936	6938
3	E H - 1389	1	DMR -323	UDAIPUR	6905	6921	6927	6946
4	E H - 1485	1	DMR -324	UDAIPUR	6911	6922	6926	6943
5	F H - 3273	1	DMR -325	ALMORA	6907	6914	6932	6940
6	F H - 3289	1	DMR -326	ALMORA	6902	6919	6935	6941
7	A H - 31405	1	DMR -327	DELHI	6910	6915	6928	6937
8	X - 2484	1	DMR -328	KANCHANGANGA	6909	6917	6925	6939
9	P M Z - 146	1	DMR -329	EMERGENT	6908	6916	6930	6947
CHECKS:								
10	KIRAN	1	DMR -330	LUDHIANA	6901	6924	6934	6948
11	PARKASH	1	DMR -331	LUDHIANA	6904	6918	6929	6944
12	X - 3342	1	DMR -332	UDAIPUR	6906	6920	6931	6945

TRIAL NO. 67 Z-2 EARLY MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m
 LOCATION: DELHI, LUDHIANA, KARNAL , PANTNAGAR , KANPUR ,
 MONSANTO (PLANT ZONE -II ONLY)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J H - 31013	2	DMR - 333	LUDHIANA	6954	6958	6970	6978
2	J H - 3982	2	DMR - 334	LUDHIANA	6952	6960	6969	6972
3	F H - 3273	2	DMR - 335	ALMORA	6953	6959	6968	6977
4	M C H - 26	2	DMR - 336	MONSANTO	6956	6962	6967	6973
CHECKS:								
5	KIRAN	2	DMR - 337	LUDHIANA	6951	6961	6971	6974
6	PARKASH	2	DMR - 338	LUDHIANA	6957	6963	6966	6976
7	X - 3342	2	DMR - 339	UDAIPUR	6955	6964	6965	6975

TRIAL NO. 67 Z-3 EARLY MATURITY (AET 1st YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION: VARANASI, BELIPAR, DHOLI, JASHIPUR, KUSHMOHOT, AMBIKAPUR,
 RANCHI, EMERGENT* (* PLANT IN ZONE -III ONLY)

ENT. NO.	PEDIGREE	ZONE CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H - 31013	3	DMR - 341 LUDHIANA	7001	7018	7035	7048
2	J C - 3272	3	DMR - 342 LUDHIANA	7006	7022	7031	7037
3	L - 201	3	DMR - 343 BAJAURA	7011	7017	7028	7042
4	E H - 1389	3	DMR - 344 UDAIPUR	7002	7024	7025	7046
5	B V M - 4- 1	3	DMR - 345 RANCHI	7003	7021	7032	7040
6	B V M - 8	3	DMR - 346 RANCHI	7007	7013	7027	7047
7	F H - 3273	3	DMR - 347 ALMORA	7012	7019	7029	7039
8	F H - 3289	3	DMR - 348 ALMORA	7005	7023	7026	7045
9	P M Z - 146	3	DMR - 349 EMERGENT	7008	7015	7033	7038
CHECKS:							
10	KIRAN	3	DMR - 350 LUDHIANA	7004	7020	7036	7041
11	PARKASH	3	DMR - 351 LUDHIANA	7010	7016	7030	7044
12	X - 3342	3	DMR - 352 UDAIPUR	7009	7014	7034	7043

TRIAL NO. 67 Z-4 EARLY MATURITY (AET 1st YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION: HYDERABAD, KARIMNAGAR, KOLHAPUR, MANDYA, NAGANAHALLY
 COIMBATORE, ARBHAVI, MONSANTO*, KANCHANGANGA*, EMERGENT*
 (* PLANT OTHER THAN HYDERABAD LOCATION)

ENT. NO.	PEDIGREE	ZONE CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H - 31013	4	DMR - 371 LUDHIANA	7114	7138	7150	7163
2	J H - 3982	4	DMR - 372 LUDHIANA	7101	7132	7147	7160
3	L - 201	4	DMR - 373 BAJAURA	7111	7126	7144	7173
4	E H - 1389	4	DMR - 374 UDAIPUR	7118	7135	7153	7167
5	E H - 1485	4	DMR - 375 UDAIPUR	7106	7124	7151	7174
6	E H - 1297	4	DMR - 376 UDAIPUR	7102	7136	7141	7171
7	E H - 1265	4	DMR - 377 UDAIPUR	7103	7130	7152	7165
8	B V M - 4- 1	4	DMR - 378 RANCHI	7113	7131	7148	7159
9	B V M - 8	4	DMR - 379 RANCHI	7116	7123	7157	7158
10	F H - 3273	4	DMR - 380 ALMORA	7105	7127	7142	7166
11	F H - 3289	4	DMR - 381 ALMORA	7115	7122	7145	7161
12	H K H -1237	4	DMR - 382 UCHANI	7119	7120	7154	7175
13	M C H - 26	4	DMR - 383 MONSANTO	7117	7121	7149	7169
14	M C H - 27	4	DMR - 384 MONSANTO	7104	7128	7140	7164
15	X - 2484	4	DMR - 385 KANCHANGANGA	7108	7133	7156	7176
16	P M Z - 146	4	DMR - 386 EMERGENT	7110	7137	7155	7170
CHECKS:							
17	KIRAN	4	DMR - 387 LUDHIANA	7112	7129	7139	7172
18	PARKASH	4	DMR - 388 LUDHIANA	7109	7125	7146	7162
19	X - 3342	4	DMR - 389 UDAIPUR	7107	7134	7143	7168

TRIAL NO. 67 Z-5 EARLY MATURITY (AET 1st YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION: UDAIPUR , BANSWARA , GODHRA , CHHINDWARA, KANCHANGANGA*,
 EMERGENT* (* PLANT IN ZONE FIVE LOCATION ONLY.)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J H - 3982	5	DMR - 355	LUDHIANA	7056	7072	7073	7086
2	E H - 1389	5	DMR - 356	UDAIPUR	7057	7070	7082	7088
3	E H - 1485	5	DMR - 357	UDAIPUR	7051	7065	7083	7093
4	B V M - 8	5	DMR - 358	RANCHI	7061	7067	7076	7085
5	F H - 3273	5	DMR - 359	ALMORA	7059	7063	7078	7090
6	F H - 3289	5	DMR - 360	ALMORA	7060	7068	7075	7089
7	X - 2484	5	DMR - 361	KANCHANGANGA	7055	7062	7080	7092
8	P M Z - 146	5	DMR - 362	EMERGENT	7053	7066	7079	7084
CHECKS:								
9	KIRAN	5	DMR - 363	LUDHIANA	7052	7069	7077	7087
10	PARKASH	5	DMR - 364	LUDHIANA	7054	7064	7074	7091
11	X - 3342	5	DMR - 365	UDAIPUR	7058	7071	7081	7094

TRIAL NO. 68 Z-1 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION: SRINAGAR, POONCH, BAJAURA, KANGRA, ALMORA, BARAPANI,
 JORHAT, SIKKIM

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	F H - 3248	1	DMR - 231	ALMORA	6608	6623	6625	6643
2	F H - 3277	1	DMR - 232	ALMORA	6601	6619	6627	6648
3	F H - 3288	1	DMR - 233	ALMORA	6605	6620	6634	6640
4	V L - 103	1	DMR - 234	ALMORA	6609	6624	6629	6644
5	V L - 108	1	DMR - 235	ALMORA	6611	6621	6636	6647
6	V L - 110	1	DMR - 236	ALMORA	6603	6616	6635	6645
7	A H - 23029	1	DMR - 237	DELHI	6607	6615	6630	6637
8	A H - 23021	1	DMR - 238	DELHI	6602	6618	6628	6642
9	A H - 23025	1	DMR - 239	DELHI	6612	6613	6633	6646
CHECKS:								
10	HIM - 129	1	DMR - 240	ALMORA	6604	6617	6631	6641
11	SURYA	1	DMR - 241	PANTNAGAR	6606	6622	6632	6638
12	AMAR	1	DMR - 242	PANTNAGAR	6610	6614	6626	6639

TRIAL NO. 68 Z-2 EXTRA EARLY MATURITY (AET 2nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m
 LOCATION: DELHI, LUDHIANA, KARNAL , PANTNAGAR , KANPUR

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J H - 31053	2	DMR - 251	LUDHIANA	6652	6665	6674	6677
2	F H - 3245	2	DMR - 252	ALMORA	6657	6664	6668	6675
3	F H - 3248	2	DMR - 253	ALMORA	6658	6661	6667	6676
4	F H - 3288	2	DMR - 254	ALMORA	6655	6666	6669	6681
5	A H - 23029	2	DMR - 255	DELHI	6653	6662	6672	6679
CHECKS:								
6	HIM - 129	2	DMR - 256	ALMORA	6654	6659	6671	6678
7	SURYA	2	DMR - 257	PANTNAGAR	6651	6660	6673	6680
8	AMAR	2	DMR - 258	PANTNAGAR	6656	6663	6670	6682
9	H K H - 1183	2	DMR - 259	KARNAL	6656A	6663A	6670A	6682A

TRIAL NO. 68 Z - 3 EXTRA EARLY MATURITY (AET 2nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENTH 5 m
 LOCATION: VARANASI, BELIPAR, DHOLI, JASHIPUR, KUSHMOHOT, AMBIKAPUR, RANCHI

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	D E H - 105	3	DMR - 261	PANTNAGAR	6710	6715	6729	6747
2	D E H - 107	3	DMR - 262	PANTNAGAR	6702	6718	6731	6742
3	D E H - 111	3	DMR - 263	PANTNAGAR	6703	6721	6726	6737
4	F H - 3245	3	DMR - 264	ALMORA	6707	6724	6725	6740
5	F H - 3277	3	DMR - 265	ALMORA	6709	6719	6730	6744
6	F H - 3288	3	DMR - 266	ALMORA	6712	6714	6728	6745
7	V L - 109	3	DMR - 267	ALMORA	6701	6717	6733	6746
8	V L - 110	3	DMR - 268	ALMORA	6705	6720	6734	6743
9	A H - 23029	3	DMR - 269	DELHI	6711	6716	6736	6741
CHECKS:								
10	HIM - 129	3	DMR - 270	ALMORA	6706	6723	6727	6748
11	SURYA	3	DMR - 271	PANTNAGAR	6708	6713	6735	6739
12	AMAR	3	DMR - 272	PANTNAGAR	6704	6722	6732	6738

TRIAL NO. 68 Z - 4 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 4

ROW LENGTH 5 m

LOCATION: HYDERABAD, KARIMNAGAR, KOLHAPUR, MANDYA, NAGANAHALLY,
COIMBATORE , ARBHAVI

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	D E H - 105	4	DMR - 281	PANTNAGAR	6811	6832	6843	6865
2	D E H - 107	4	DMR - 282	PANTNAGAR	6810	6834	6848	6852
3	D E H - 111	4	DMR - 283	PANTNAGAR	6804	6819	6845	6860
4	F H - 3245	4	DMR - 284	ALMORA	6802	6820	6850	6859
5	F H - 3248	4	DMR - 285	ALMORA	6814	6826	6849	6855
6	F H - 3277*	4	DMR - 286	ALMORA	6806	6824	6851	6867
7	F H - 3288	4	DMR - 287	ALMORA	6801	6829	6844	6858
8	V L - 103	4	DMR - 288	ALMORA	6803	6825	6836	6857
9	V L - 105	4	DMR - 289	ALMORA	6812	6828	6837	6853
10	V L - 109	4	DMR - 290	ALMORA	6815	6821	6841	6861
11	V L - 110	4	DMR - 291	ALMORA	6805	6818	6847	6863
12	CHH - 215	4	DMR - 292	CHHINDWARA	6816	6822	6835	6854
13	A H - 23029	4	DMR - 293	DELHI	6808	6830	6846	6866
14	A H - 23021	4	DMR - 294	DELHI	6813	6823	6838	6856
CHECKS:								
15	HIM - 129	4	DMR - 295	ALMORA	6809	6827	6840	6862
16	SURYA	4	DMR - 296	PANTNAGAR	6807	6831	6839	6864
17	AMAR	4	DMR - 297	PANTNAGAR	6817	6833	6842	6868
18	H K H - 1183	4	DMR - 298	KARNAL	6817A	6833A	6842A	6868A

* FILLER FOR ARBHAVI IS F H - 3211 .

TRIAL NO. 68 Z - 5 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION UDAIPUR , BANSWARA , GODHRA , CHHINDWARA

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	D E H - 105	5	DMR - 301	PANTNAGAR	6751	6772	6775	6790
2	D E H - 107	5	DMR - 302	PANTNAGAR	6758	6770	6774	6792
3	F H - 3245	5	DMR - 303	ALMORA	6757	6769	6781	6794
4	F H - 3248	5	DMR - 304	ALMORA	6759	6764	6778	6788
5	F H - 3277	5	DMR - 305	ALMORA	6760	6766	6773	6789
6	F H - 3288	5	DMR - 306	ALMORA	6753	6765	6777	6785
7	V L - 103	5	DMR - 307	ALMORA	6752	6767	6776	6793
8	A H - 23029	5	DMR - 308	DELHI	6754	6763	6782	6786
CHECKS:								
9	HIM - 129	5	DMR - 309	ALMORA	6756	6771	6783	6784
10	SURYA	5	DMR - 310	PANTNAGAR	6761	6768	6780	6787
11	AMAR	5	DMR - 311	PANTNAGAR	6755	6762	6779	6791
12	H K H - 1183	5	DMR - 312	KARNAL	6755A	6762A	6779A	6791A

TRIAL NO. 69 Z -2 FULL SEASON MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m

LOCATION: DELHI, (2) LUDHIANA, (2) KARNAL(2), PANTNAGAR (2), KANPUR (2),

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	J H - 10655	2	DMR - 211	LUDHIANA	6529	6537	6539	6546
2	B H - 3313	2	DMR - 212	HYDERABAD	6528	6536	6541	6545
CHECKS:								
3	PARBHAT	2	DMR - 213	LUDHIANA	6526	6533	6542	6547
4	SEEDTEC-2324	2	DMR - 214	SEEDTEC	6530	6532	6540	6549
5	BIO - 9681	2	DMR - 215	BIO SEED	6527	6535	6543	6544
6	PRO - 311	2	DMR - 216	PROAGRO	6531	6534	6538	6548

TRIAL NO. 69 Z-4 FULL SEASON MATURITY (AET 2nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENTH 5 m

LOCATION: HYDERABAD, KARIMNAGAR, (2) KOLHAPUR, (2) MANDYA, (2)
 COIMBATORE, (2) ARBHAVI (2),

ENT. PEDIGREE NO.	ZONE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1 J C - 1441 C3 FS	4	DMR - 221	LUDHIANA	6552	6559	6565	6568
CHECKS:							
2 PARBHAT	4	DMR - 222	LUDHIANA	6553	6556	6564	6567
3 SEEDTEC - 2324	4	DMR - 223	SEEDTEC	6551	6557	6563	6569
4 BIO - 9681	4	DMR - 224	BIO SEED	6555	6558	6561	6570
5 PRO - 311	4	DMR - 225	PROAGRO	6554	6560	6562	6566

TRIAL NO. 70 Z- 1 MEDIUM MATURITY (AET 2 nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENTH 5 m

LOCATION : SRINAGAR, POONCH, BAJAURA, (2) KANGRA, (2)
 ALMORA, (2) BARAPANI, JORHAT, SIKKIM,

ENT. PEDIGREE NO.	ZONE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1 B H - 3443	1	DMR - 171	HYDERABAD	6406	6408	6418	6428
2 KAVERI - 2288	1	DMR - 172	KAVERI SEEDS	6404	6413	6416	6424
3 P M Z - 136	1	DMR - 173	EMERGENT	6402	6411	6417	6427
4 S M H - 3758	1	DMR - 174	SHAKTI SEEDS	6405	6414	6419	6423
5 B I O - 22069	1	DMR - 175	BIO SEED'S	6401	6412	6420	6422
CHECKS:							
6 NAVJOT	1	DMR - 176	LUDHIANA	6403	6409	6421	6425
7 K H - 510	1	DMR - 177	K. GANGA	6407	6410	6415	6426

TRIAL NO. 70 Z-2 MEDIUM MATURITY (AET 2 nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENTH 5 m

LOCATION: DELHI, (2) LUDHIANA, (2) KARNAL(2), PANTNAGAR (2),
 KANPUR (2), EMERGENT*, BIO SEED'S*

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	B H - 3443	2	DMR - 181	HYDERABAD	6432	6436	6440	6448
2	P M Z - 136	2	DMR - 182	EMERGENT	6433	6435	6439	6446
3	B I O - 22069	2	DMR - 183	BIO SEED'S	6431	6437	6443	6444
CHECKS:								
4	NAVJOT	2	DMR - 184	LUDHIANA	6430	6434	6441	6447
5	K H - 510	2	DMR - 185	K. GANGA	6429	6438	6442	6445

* PLANT IN ZONE TWO LOCATION ONLY..

TRIAL NO. 70 Z-3 MEDIUM MATURITY (AET 2 nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENTH 5 m

LOCATION: VARANASI, (2) BELIPAR, (2) DHOLI, (2) JASHIPUR, (2)
 KUSHMAHOT , AMBIKAPUR(2), P O C* , BIO SEED'S*

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	L - 166	3	DMR - 186	BAJAURA	6454	6456	6465	6468
2	X 1150 Z	3	DMR - 187	P O C	6455	6458	6462	6469
3	B I O - 22069	3	DMR - 188	BIO SEED'S	6452	6460	6464	6466
CHECKS:								
4	NAVJOT	3	DMR - 189	LUDHIANA	6451	6457	6463	6470
5	K H - 510	3	DMR - 190	K. GANGA	6453	6459	6461	6467

* PLANT IN ZONE THREE LOCATION ONLY..

TRIAL NO. 70 Z-4 MEDIUM MATURITY (AET 2 nd YEAR)

YEAR 2005 KHARIF

REPLICATION 6

ROW NO 6

ROW LENGTH 5 m

LOCATION: HYDERABAD, KARIMNAGAR, (2) KOLHAPUR, (2) MANDYA, (2) COIMBATORE, (2) ARBHAVI (2), BIO SEED'S*, EMERGENT

ENT. PEDIGREE NO.	ZONE CODE	ORIGIN	REPLICATION					
			R1	R2	R3	R4	R5	R6
1 P M Z - 136	4	DMR - 191 EMERGENT	6473	6475	6480	6483	6490	6493
2 B I O - 22069	4	DMR - 192 BIO SEED'S	6474	6476	6479	6485	6487	6492
CHECKS:								
3 NAVJOT	4	DMR - 193 LUDHIANA	6471	6478	6481	6486	6488	6491
4 K H - 510	4	DMR - 194 K. GANGA	6472	6477	6482	6484	6489	6494
5 FILLER	4	DMR - 194A	6474A	6478A	6482A	6486A	6490A	6494A

* PLANT IN ZONE FOUR OTHER THAN HYDERABAD LOCATION .

TRIAL NO. 70 Z-5 MEDIUM MATURITY (AET 2 nd YEAR)

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 6

ROW LENGTH 5 m

LOCATION: UDAIPUR, (2) BANSWARA, (2) GODHRA, (2) CHHINDWARA (2), P O C,* EMERGENT*

ENT. PEDIGREE NO.	ZONE CODE	ORIGIN	REPLICATION			
			R1	R2	R3	R4
1 A H - 017045	5	DMR -201 DELHI	6503	6511	6518	6520
2 A H - 017051	5	DMR -202 DELHI	6505	6508	6515	6519
3 X 1150 Z	5	DMR -203 POC	6501	6510	6514	6523
4 P M Z - 136	5	DMR -204 EMERGENT	6506	6507	6517	6522
CHECKS:						
5 NAVJOT	5	DMR -205 LUDHIANA	6502	6509	6516	6524
6 K H - 510	5	DMR -206 K. GANGA	6504	6512	6513	6521

* PLANT IN ZONE FIVE ONLY

TRIAL NO. 71 Z-1 EARLY MATURITY (AET 2nd YEAR)
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENTH 5 m

LOCATION : SRINAGAR, POONCH, BAJAURA, (2) KANGRA, (2) ALMORA, (2)
 BARAPANI, JORHAT, SIKKIM

ENT. PEDIGREE NO.	ZONE CODE	ORIGIN	REPLICATION			
			R1	R2	R3	R4
1	J K M H - 1701	1 DMR - 131 JK AGRI	6202	6211	6218	6222
2	F H - 3259	1 DMR - 132 ALMORA	6205	6209	6214	6219
3	H K H - 1176	1 DMR - 133 KARNAL	6201	6212	6216	6223
CHECKS:						
4	KIRAN	1 DMR - 134 LUDHIANA	6203	6207	6215	6220
5	PARKASH	1 DMR - 135 LUDHIANA	6204	6208	6217	6224
6	X - 3342	1 DMR - 136 P O C	6206	6210	6213	6221

TRIAL NO. 71 Z-2 EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 6
 ROW NO 6
 ROW LENTH 5 m

LOCATION DELHI, (2) LUDHIANA, (2) KARNAL (2), PANTNAGAR (2),
 RANPUR (2)

ENT. PEDIGREE NO.	ZONE CODE	ORIGIN	REPLICATION					
			R1	R2	R3	R4	R5	R6
1	KAVERI-2020	2 DMR - 141 KAVERI SEEDS	6225	6230	6235	6238	6244	6247
CHECKS:								
2	KIRAN	2 DMR - 142 LUDHIANA	6226	6232	6234	6237	6242	6245
3	PARKASH	2 DMR - 143 LUDHIANA	6227	6231	6233	6240	6241	6246
4	X - 3342	2 DMR - 144 P O C	6228	6229	6236	6239	6243	6248

TRIAL NO. 71 Z-3 EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 6
 ROW NO 6
 ROW LENGTH 5 m

LOCATION VARANASI , (2) BELIPAR , (2) DHOLI , (2) JASHIPUR, (2)
 KUSHMAHOT , AMBIKAPUR (2)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION					
					R1	R2	R3	R4	R5	R6
1	J K M H - 1701	3	DMR- 146	JK AGRI	6252	6256	6263	6269	6271	6280
2	F H - 3289	3	DMR- 147	ALMORA	6254	6258	6264	6268	6272	6279
CHECKS:										
3	KIRAN	3	DMR- 148	LUDHIANA	6253	6260	6261	6267	6275	6278
4	PARKASH	3	DMR- 149	LUDHIANA	6255	6259	6262	6270	6273	6276
5	X - 3342	3	DMR- 150	P O C	6251	6257	6265	6266	6274	6277

TRIAL NO. 71 Z-4 EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m

LOCATION HYDERABAD, KARIMNAGAR, (2) KOLHAPUR, (2) MANDYA, (2)
 COIMBATORE, (2) ARBHAVI (2)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	KAVERI - 2020	4	DMR - 151	KAVERI SEEDS	6304	6308	6313	6324
2	J K M H - 1701	4	DMR - 152	JK AGRI	6302	6312	6315	6323
3	F H - 3246	4	DMR - 153	ALMORA	6301	6309	6317	6322
CHECKS:								
4	KIRAN	4	DMR - 154	LUDHIANA	6306	6307	6314	6321
5	PARKASH	4	DMR - 155	LUDHIANA	6305	6310	6318	6319
6	X - 3342	4	DMR - 156	P O C	6303	6311	6316	6320

TRIAL NO. 71 Z-5 EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 6
 ROW NO 6
 ROW LENGTH 5 m

LOCATION UDAIPUR , (2) BANSWARA , (2) GODHRA , (2) CHHINDWARA (2)

ENT. NO.	PEDIGREE	ZONE CODE	ORIGIN	REPLICATION					
				R1	R2	R3	R4	R5	R6
1	J H - 31036	5	DMR - 161 LUDHIANA	6352	6356	6363	6370	6372	6378
2	J K M H - 1701	5	DMR - 162 JK AGRI	6353	6359	6361	6369	6371	6377
CHECKS:									
3	KIRAN	5	DMR - 163 LUDHIANA	6354	6360	6362	6366	6374	6380
4	PARKASH	5	DMR - 164 LUDHIANA	6351	6358	6365	6368	6375	6376
5	X - 3342	5	DMR - 165 P O C	6355	6357	6364	6367	6373	6379

TRIAL NO. 72 Z-1 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m

LOCATION : SRINAGAR, POONCH, BAJAURA, (2) KANGRA, (2) ALMORA, (2) BARAPANI, JORHAT, SIKKIM,

ENT. NO.	PEDIGREE	ZONE CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	F H - 3211	1	DMR -101 ALMORA	6004	6012	6014	6019
2	F QH - 4567	1	DMR -102 ALMORA	6003	6008	6017	6022
CHECKS:							
3	VIVEK HYBRID - 9	1	DMR -103 ALMORA	6006	6011	6013	6021
4	HIM - 129	1	DMR -104 ALMORA	6005	6007	6018	6020
5	SURYA	1	DMR -105 PANTNAGAR	6002	6009	6016	6023
6	AMAR	1	DMR -106 PANTNAGAR	6001	6010	6015	6024

TRIAL NO. 72 Z-2 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m
 LOCATION: DELHI, (2) LUDHIANA, (2) KARNAL (2), PANTNAGAR (2),
 KANPUR (2)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	F H - 3211	2	DMR -121	ALMORA	6156	6157	6166	6173
2	A H - 23025	2	DMR -121A	DELHI	6151	6161	6168	6172
CHECKS:								
3	VIVEK HYBRID - 9	2	DMR -122	ALMORA	6152	6160	6167	6171
4	HIM - 129	2	DMR -123	ALMORA	6155	6162	6163	6170
5	SURYA	2	DMR -124	PANTNAGAR	6153	6158	6165	6169
6	AMAR	2	DMR -125	PANTNAGAR	6154	6159	6164	6174

TRIAL NO. 72 Z -4 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m
 LOCATION : HYDERABAD , KARIMNAGAR , (2) KOLHAPUR , (2) MANDYA , (2)
 COIMBATORE , (2) ARBHAVI (2)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	D E H - 10103	4	DMR -111	PANTNAGAR	6054	6060	6071	6085
2	D E H - 10303	4	DMR -112	PANTNAGAR	6056	6063	6073	6084
3	D E H - 10503	4	DMR -113	PANTNAGAR	6058	6065	6075	6081
4	F H - 3211	4	DMR -114	ALMORA	6059	6064	6070	6083
5	F QH - 4567	4	DMR -115	ALMORA	6051	6062	6072	6082
CHECKS:								
6	VIVEK HYBRID - 9	4	DMR -116	ALMORA	6053	6067	6074	6086
7	HIM - 129	4	DMR -117	ALMORA	6055	6061	6077	6078
8	SURYA	4	DMR -118	PANTNAGAR	6052	6066	6069	6079
9	AMAR	4	DMR -119	PANTNAGAR	6057	6068	6076	6080

TRIAL NO. 72 Z - 5 EXTRA EARLY MATURITY (AET 2nd YEAR)

YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 6
 ROW LENGTH 5 m
 LOCATION: UDAIPUR, (2) BANSWARA, (2) GODHRA, (2) CHHINDWARA (2)

ENT. NO.	PEDIGREE	ZONE	CODE	ORIGIN	REPLICATION			
					R1	R2	R3	R4
1	A H - 23039	5	DMR -126	DELHI	6125	6129	6131	6138
CHECKS:								
2	VIVEK HYBRID - 9	5	DMR -127	ALMORA	6121	6127	6133	6139
3	HIM - 129	5	DMR -128	ALMORA	6123	6130	6132	6136
4	SURYA	5	DMR -129	PANTNAGAR	6124	6126	6135	6137
5	AMAR	5	DMR -130	PANTNAGAR	6122	6128	6134	6140

TRIAL NO. 75 FULL SEASON MATURITY
 YEAR 2005 KHARIF
 REPLICATION 2
 ROW NO 4
 ROW LENGTH 5 m

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION	
				R1	R2
AET 1st YEAR					
1	M. S. POOL C7	DMR - 651	LUDHIANA	8303	8332
2	TUX. POOL C7	DMR - 652	LUDHIANA	8307	8329
3	NECH - 128	DMR - 653	SYNGENTA	8308	8320
4	NECH - 129	DMR - 654	SYNGENTA	8306	8325
5	MCH - 23	DMR - 655	MONSANTO	8311	8321
6	B I O - 31006	DMR - 656	BIO SEED'S	8312	8323
7	B H - 3313	DMR - 657	HYDERABAD	8301	8326
AET 2nd YEAR					
8	J H - 10655	DMR - 658	LUDHIANA	8314	8322
9	J C - 1441 C3 FS	DMR - 659	LUDHIANA	8315	8318
10	B H - 3313	DMR - 660	HYDERABAD	8316	8324
CHECKS:					
11	PARBHAT	DMR - 661	LUDHIANA	8304	8317
12	SEEDTEC - 2324	DMR - 662	SEEDTEC	8302	8330
13	BIO - 9681	DMR - 663	BIO SEED	8313	8319
14	PRO - 311	DMR - 664	PROAGRO	8310	8331
15	C M - 500	DMR - 665	DEL/ENTO	8305	8327
16	LOCAL	LOCAL	-	8309	8328

LOCATION:

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY: DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR, UDAIPUR, KARNAL

NEMATOLOGY: UDAIPUR

SOIL SCIENCE : PANTNAGAR

TRIAL NO. 76
 YEAR 2005 KHARIF
 REPLICATION 2
 ROW NO 4
 ROW LENGTH 5 m

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION	
				R1	R2
AET 1st YEAR					
1	L - 186	DMR - 671	BAJAURA	8357	8371
2	E C - 3138	DMR - 672	UDAIPUR	8346	8372
3	CHH - 218	DMR - 673	CHHINDWARA	8364	8387
4	CHH - 219	DMR - 674	CHHINDWARA	8368	8376
5	A H - 31417	DMR - 675	DELHI	8341	8390
6	A H - 31406	DMR - 676	DELHI	8342	8381
7	A H - 31403	DMR - 677	DELHI	8360	8384
8	J K M H - 702	DMR - 678	J K AGRI	8345	8374
9	X - 85	DMR - 679	KANCHANGANGA	8340	8379
10	P M Z - 150	DMR - 680	EMERGENT	8353	8399
11	P M Z - 139	DMR - 681	EMERGENT	8365	8388
12	S M H - 3103	DMR - 682	SHAKTI SEEDS	8339	8397
13	H K H - 1191	DMR - 683	UCHANI	8355	8389
14	H K H - 1188	DMR - 684	UCHANI	8367	8377
15	M H 03-2	DMR - 685	DHOLI	8361	8373
16	V - 32	DMR - 686	VARANASI	8366	8383
17	V - 33	DMR - 687	VARANASI	8350	8400
AET 2nd YEAR					
18	L - 166	DMR - 688	BAJAURA	8359	8392
19	A H - 017045	DMR - 689	DELHI	8344	8393
20	A H - 017051	DMR - 690	DELHI	8349	8382
21	B H - 3443	DMR - 691	HYDERABAD	8362	8386
22	KAVERI - 2288	DMR - 692	KAVERI SEEDS	8369	8396
23	X 1150 Z	DMR - 693	POC	8354	8385
24	P M Z - 136	DMR - 694	EMERGENT	8351	8378
25	S M H - 3758	DMR - 695	SHAKTI SEEDS	8363	8395
26	B I O - 22069	DMR - 696	BIO SEED'S	8347	8398
CHECKS:					
27	NAVJOT	DMR - 697	LUDHIANA	8348	8391
28	K H - 510	DMR - 698	K. GANGA	8356	8370
29	BIO - 9637	DMR - 699	BIO SEED'S	8358	8380
30	C M 500	DMR - 700	DEL/ENTO	8352	8375
31	LOCAL	LOCAL	-	8343	8394

LOCATION:

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY: DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR, UDAIPUR, KARNAL

NEMATOLOGY: UDAIPUR

SOIL SCIENCE : PANTNAGAR

TRIAL NO. 77 EARLY MATURITY
 YEAR 2005 KHARIF
 REPLICATION 2
 ROW NO 4
 ROW LENGTH 5 m

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION	
				R1	R2
AET 1st YEAR					
1	J H - 31013	DMR - 711	LUDHIANA	8427	8443
2	J H - 3982	DMR - 712	LUDHIANA	8409	8430
3	J C - 3272	DMR - 713	LUDHIANA	8419	8434
4	L - 201	DMR - 714	BAJAURA	8406	8453
5	E H - 1389	DMR - 715	UDAIPUR	8403	8440
6	E H - 1485	DMR - 716	UDAIPUR	8425	8441
7	E H - 1297	DMR - 717	UDAIPUR	8411	8429
8	E H - 1265	DMR - 718	UDAIPUR	8416	8455
9	B V M - 4- 1	DMR - 719	RANCHI	8415	8454
10	B V M - 8	DMR - 720	RANCHI	8405	8442
11	F H - 3273	DMR - 721	ALMORA	8410	8452
12	F H - 3289	DMR - 722	ALMORA	8418	8451
13	A H - 31045	DMR - 723	DELHI	8414	8447
14	M C H - 26	DMR - 724	MONSANTO	8422	8433
15	M C H - 27	DMR - 725	MONSANTO	8417	8436
16	X - 2484	DMR - 726	KANCHANGANGA	8423	8437
17	P M Z - 146	DMR - 727	EMERGENT	8421	8446
AET 2nd YEAR					
18	J H - 31036	DMR - 728	LUDHIANA	8424	8450
19	KAVERI - 2020	DMR - 729	KAVERI SEEDS	8428	8449
20	J K M H - 1710	DMR - 730	JK AGRI	8401	8432
21	F H - 3259	DMR - 731	ALMORA	8412	8439
22	F H - 3246	DMR - 732	ALMORA	8413	8435
23	H K H - 1176	DMR - 733	KARNAL	8408	8438
CHECKS:					
24	KIRAN	DMR - 734	LUDHIANA	8402	8448
25	PARKASH	DMR - 735	LUDHIANA	8420	8456
26	X - 3342	DMR - 736	P O C	8407	8444
27	C M 500	DMR - 737	DEL/ENTO	8404	8445
28	LOCAL	LOCAL	-	8426	8431

LOCATION:

PATHOLOGY:

ENTOMOLOGY:

NEMATOLOGY:

SOIL SCIENCE :

BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR
 DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR, UDAIPUR, KARNAL
 UDAIPUR
 PANTNAGAR

TRIAL NO. 78
 YEAR 2005
 REPLICATION 2
 ROW NO 4
 ROW LENGTH 5 m

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION	
				R1	R2
	AET 1st YEAR				
1	J H - 31053	DMR - 741	LUDHIANA	8525	8545
2	D E H - 105	DMR - 742	PANTNAGAR	8521	8538
3	D E H - 107	DMR - 743	PANTNAGAR	8504	8542
4	D E H - 111	DMR - 744	PANTNAGAR	8512	8558
5	F H - 3245	DMR - 745	ALMORA	8501	8537
6	F H - 3248	DMR - 746	ALMORA	8513	8553
7	F H - 3277	DMR - 747	ALMORA	8519	8554
8	F H - 3288	DMR - 748	ALMORA	8502	8547
9	V L - 103	DMR - 749	ALMORA	8506	8531
10	V L - 105	DMR - 750	ALMORA	8520	8532
11	V L - 108	DMR - 751	ALMORA	8526	8559
12	V L - 109	DMR - 752	ALMORA	8514	8552
13	V L - 110	DMR - 753	ALMORA	8524	8548
14	CHH - 215	DMR - 754	CHHINDWARA	8515	8536
15	A H - 23029	DMR - 755	DELHI	8527	8540
16	A H - 23021	DMR - 756	DELHI	8529	8543
17	A H - 23025	DMR - 757	DELHI	8507	8560
	AET 2nd YEAR				
18	D E H - 10103	DMR - 758	PANTNAGAR	8510	8533
19	D E H - 10303	DMR - 759	PANTNAGAR	8523	8541
20	D E H - 10503	DMR - 760	PANTNAGAR	8518	8544
21	F H - 3211	DMR - 761	ALMORA	8509	8535
22	F OH - 4567	DMR - 762	ALMORA	8522	8556
23	A H - 23039	DMR - 763	DELHI	8516	8534
24	A H - 23025	DMR - 764	DELHI	8511	8555
	CHECKS:				
25	VIVEK HYBRID - 9	DMR - 765	ALMORA	8528	8539
26	HIM - 129	DMR - 766	ALMORA	8508	8550
27	SURYA	DMR - 767	PANTNAGAR	8503	8557
28	AMAR	DMR - 768	PANTNAGAR	8517	8546
29	CM 500	DMR - 769	DEL/ENTO	8530	8551
30	LOCAL	DMR - 770	-	8505	8549

LOCATION:

PATHOLOGY:

BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI, KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD, COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY:

DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR, UDAIPUR, KARNAL

NEMATOLOGY:

UDAIPUR

SOIL SCIENCE :

PANTNAGAR

TRIAL NO. QPM 1

YEAR 2005 KHARIF

REPLICATION 4

ROW NO 2

ROW LENGTH 5 m

LOCATION : ALMORA, BAJAURA, DELHI, DMR, LUDHIANA, KARNAL,
DHOLI, JASHIPUR, HYDERABAD, ARBHAVI, COIMBATORE,
UDAIPUR, BANSWARA, CHHINDWARA

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H (QPM) - 159	DMRQPM-1	LUDHIANA	8602	8617	8638	8652
2	J H (QPM) - 160	DMRQPM-2	LUDHIANA	8609	8625	8633	8645
3	B V M - 7	DMRQPM-3	RANCHI	8601	8615	8639	8641
4	M H QPM 05-1	DMRQPM-4	DHOLI	8613	8620	8629	8640
5	M H QPM 05-2	DMRQPM-5	DHOLI	8603	8624	8636	8644
6	M H QPM 05-3	DMRQPM-6	DHOLI	8607	8619	8628	8643
7	H QPM - 5	DMRQPM-7	KARNAL	8612	8621	8632	8642
8	H QPM - 6	DMRQPM-8	KARNAL	8611	8616	8637	8648
9	H QPM - 7	DMRQPM-9	KARNAL	8606	8626	8635	8651
CHECKS:							
10	SHAKTIMAN - 1	DMRQPM-10	DHOLI	8608	8623	8634	8649
11	SHAKTIMAN - 4	DMRQPM-11		8604	8618	8627	8646
12	SHAKTI - 1	DMRQPM-12	NSC/DMR	8610	8622	8631	8650
13	HQPM 1	DMRQPM-13	KARNAL	8605	8614	8630	8647

PATHOLOGY: BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI,
KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD,
COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY: DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR,
UDAIPUR

TRIAL NO. QPM 2
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION : ALMORA, BAJAURA, DELHI, DMR, LUDHIANA, KARNAL, DHOLI,
 JASHIPUR, HYDERABAD, ARHAVI, COIMBATORE, UDAIPUR,
 BANSWARA, CHHINDWARA

ENT. NO.	PEDIGREE	CODE	ORIGIN	REPLICATION			
				R1	R2	R3	R4
1	J H (QPM) - 41	DMRQPM-21	LUDHIANA	8658	8674	8688	8693
2	DQPM C 4 (W)	DMRQPM-22	PANTNAGAR	8653	8671	8685	8691
3	BQPMH - 43	DMRQPM-23	HYDERABAD	8656	8665	8682	8698
4	HQPM - 4	DMRQPM-24	KARNAL	8657	8667	8678	8697
5	HQPM - 5	DMRQPM-25	KARNAL	8663	8672	8686	8695
6	DMRQPMH 17 x 58	DMRQPM-26	DMR	8655	8666	8677	8700
7	DMRQPMH 03-101 x DMRQPM 17	DMRQPM-27	DMR	8659	8673	8684	8699
8	DMRQPMH 75 x DMRQPM 17	DMRQPM-28	DMR	8664	8668	8681	8690
CHECKS:							
9	SHAKTIMAN - 1	DMRQPM-29	DHOLI	8660	8676	8683	8694
10	SHAKTIMAN - 4	DMRQPM-30		8654	8669	8687	8689
11	SHAKTI - 1	DMRQPM-31	NSC/DMR	8661	8675	8680	8696
12	HQPM 1	DMRQPM-32	KARNAL	8662	8670	8679	8692

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI,
 KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD,
 COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY: DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR,
 UDAIPUR

TRIAL NO. QPM 3
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 2
 ROW LENGTH 5 m

LOCATION : ALMORA , BAJAURA, DELHI, DMR, LUDHIANA, KARNAL, DHOLI
 JASHIPUR, HYDERABAD, ARBHAVI, COIMBATORE, UDAIPUR, BANSWARA
 CHHINDWARA

ENT. PEDIGREE NO.	CODE	ORIGIN	REPLICATION			
			R1	R2	R3	R4
1 DMR QPM 17 x DMR QPM18	DMRQPM-41	DMR	8805	8823	8843	8857
2 DMR QPM 17 x DMR QPM03-106	DMRQPM-42	DMR	8811	8818	8832	8860
3 DMR QPM 03-102 x DMR QPM 18	DMRQPM-43	DMR	8813	8816	8839	8853
4 DMR QPM 03-106 x DMR QPM 18	DMRQPM-44	DMR	8801	8827	8833	8859
5 DMR QPM 03-120 x DMR QPM03-117	DMRQPM-45	DMR	8810	8830	8842	8850
6 DMR QPM 03-118 x DMR QPM03-119	DMRQPM-46	DMR	8806	8829	8838	8848
7 MODO2 x shakti 50% SN fff-#	DMRQPM-47	DMR	8815	8820	8841	8854
8 SO\SN QPM ABP SN2 ccbulk-f	DMRQPM-48	DMR	8812	8817	8837	8856
9 SO\SN Comp. P ABP25% ff	DMRQPM-49	DMR	8803	8821	8844	8851
10 SO\SN Comp bulk SN3cc 75% f	DMRQPM-50	DMR	8804	8822	8840	8858
11 Comp. ESNCCB 50% fff	DMRQPM-51	DMR	8802	8825	8845	8849
12 #SHAKTI-1	DMRQPM-52	DMR	8807	8824	8835	8855
13 #NAVJOT	DMRQPM-53	DMR	8808	8826	8834	8846
14 #SHAKTIMAN-1	DMRQPM-54	DMR	8814	8828	8831	8852
15 HQPM-1	DMRQPM-55	DMR	8809	8819	8836	8847

PATHOLOGY : BAJAURA, DHAULA KUAN, ALMORA, LUDHIANA, DELHI,
 KARNAL, PANTNAGAR, DHOLI, JASHIPUR, HYDERABAD,
 COIMBATORE, MANDYA, NAGENAHALLI, UDAIPUR

ENTOMOLOGY: DELHI, LUDHIANA, DHOLI, HYDERABAD, KOLHAPUR,
 UDAIPUR

TRIAL NO. BABY CORN
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION : BAJAURA, ALMORA, BARAPANI, DELHI, DMR, LUDHIANA
 KARNAL, PANTNAGAR, KANPUR, VARANASI, BELIPAR
 DHOLI, JASHIPUR, HYDERABAD, KARIMNAGAR, KOLHAPUR
 MANDYA, COIMBATORE, UDAIPUR, BANSWARA, CHHINDWARA

ENT. PEDIGREE NO.	CODE	ORIGIN	REPLICATION				
			R1	R2	R3	R4	
1	ICY 9006	BABI - 1	GODHRA	8708	8710	8720	8729
2	DBEH - 10202	BABI - 2	PANTNAGAR	8705	8714	8717	8727
3	V L - BABY CORN - 1	BABI - 3	ALMORA	8704	8715	8722	8726
4	F H - 3161	BABI - 4	ALMORA	8702	8709	8721	8732
5	F H - 3246	BABI - 5	ALMORA	8703	8716	8723	8725
6	X- 3342	BABI - 6	POC	8706	8712	8718	8730
7	HIM - 129	BABI - 7	ALMORA	8707	8711	8724	8728
8	MAHIKANCHAN	BABI - 8	UDAIPUR	8701	8713	8719	8731

TRIAL NO. SWEET CORN TRIAL
 YEAR 2005 KHARIF
 REPLICATION 4
 ROW NO 4
 ROW LENGTH 5 m

LOCATION : SRINAGAR, BAJAURA, ALMORA, DELHI, DELHI (DMR),
 LUDHIANA, KARNAL, PANTNAGAR, KANPUR, VARANASI
 BELIPAR, DHOLI, JASHIPUR, HYDERABAD, KARIMNAGAR
 KOLHAPUR, MANDYA, COIMBATORE, UDAIPUR, BANSWARA
 CHHINDWARA

ENT. PEDIGREE NO.	CODE	ORIGIN	REPLICATION				
			R1	R2	R3	R4	
1	J C (SWEET CORN) - 1	SWEET -1	LUDHIANA	8755	8764	8767	8777
2	V L - 15 (SWEET CORN)	SWEET -2	ALMORA	8752	8758	8769	8775
3	ZA WIN su HYBRID - 1	SWEET -3	HYD/WINT NUR	8753	8760	8768	8772
4	ZA WIN YELLOW SWEET CORN	SWEET -4	HYD/WINT NUR	8754	8762	8766	8774
5	MADHURI	SWEET -5	HYD/WINT NUR	8757	8759	8770	8778
6	WIN ORANGE SWEET CORN	SWEET -6	HYD/WINT NUR	8751	8763	8771	8776
7	PRIYA SWEET CORN	SWEET -7	HYDERBAD	8756	8761	8765	8773

AGRONOMIC TRIAL : - N x G YEAR 2005 KHARIF
FULL SEASON MATURITY

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	J H - 10655	2	DMR - 1231	LUDHIANA
2	B H - 3313	2	DMR - 1232	HYDERABAD
3	SEEDTEC - 2324	2	DMR - 1233	SEEDTEC
4	BIO - 9681	2	DMR - 1234	BIO SEED'S
5	PRO - 311	2	DMR - 1235	PROAGRO

ZONE - 2
DELHI, LUDHIANA, KANPUR, KARNAL

IG DATE OF DISPATCH : 21 - 6 - 2005

AGRONOMIC TRIAL : - N x G YEAR 2005 KHARIF
MEDIUM MATURITY

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	P M Z - 136	1	DMR - 1181	EMERGENT GENETICS
2	KAVERI - 2288	1	DMR - 1182	KAVERT
3	BIO - 22069	1	DMR - 1183	BIO SEED'S
4	NAVJOT	1	DMR - 1184	LUDHIANA
5	KH 510	1	DMR - 1185	KANCHANGANGA
6	B H - 3443	1	DMR - 1186	HYDERBAD

ZONE - 1
BAJAURA, SRINAGAR, KANGRA, JORHAT, ALMORA

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	P M Z - 136	2	DMR - 1191	EMERGENT GENETICS
2	B I O - 22069	2	DMR - 1192	BIO SEED'S
3	NAVJOT	2	DMR - 1193	LUDHIANA
4	KH 510	2	DMR - 1194	KANCHANGANGA

ZONE - 2
DELHI, LUDHIANA, KANPUR, KARNAL, PANTNAGAR

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	BIO - 22069	3	DMR - 1201	BIO SEED'S
2	NAVJOT	3	DMR - 1202	LUDHIANA
3	KH 510	3	DMR - 1203	KANCHANGANGA

ZONE - 3
DHOLI, JASHIPUR, BAHARAICH, VARANASI

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	PMZ- 136	4	DMR - 1204	EMERGENT GENETICS
2	NAVJOT	4	DMR - 1205	LUDHIANA
3	KH 510	4	DMR - 1206	KANCHANGANGA

ZONE - 4

ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	P M Z - 136	5	DMR - 1211	EMERGENT GENETICS
2	A H - 017045	5	DMR - 1212	DELHI
3	A H - 017051	5	DMR - 1213	DELHI
4	NAVJOT	5	DMR - 1214	LUDHIANA
5	KH 510	5	DMR - 1215	KANCHANGANGA

ZONE - 5

UDAIPUR, BANSWARA, GODHRA, CHHINDWARA, AMBIKAPUR

AGRONOMIC TRIAL : - N x G YEAR 2005 KHARIF
E A R L Y M A T U R I T Y

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	F H - 3259	1	DMR - 1131	ALMORA
2	J K M H - 1701	1	DMR - 1132	JK AGRI
3	KIRAN	1	DMR - 1133	LUDHIANA
4	PARKASH	1	DMR - 1134	LUDHIANA
5	X - 3342	1	DMR - 1135	P O C
6	H K H - 1176	1	DMR - 1136	KARNAL

ZONE - 1

BAJAURA, SRINAGAR, JORHAT, ALMORA

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	KAVERI - 2020	2	DMR - 1137	KAVERI SEED
2	KIRAN	2	DMR - 1138	LUDHIANA
3	PARKASH	2	DMR - 1139	LUDHIANA
4	X - 3342	2	DMR - 1140	P O C

ZONE - 2

LUDHIANA, DELHI, KANPUR, KARNAL

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	F H - 3259	3	DMR - 1151	ALMORA
2	J K M H - 1701	3	DMR - 1152	J K AGRI
3	X 1150 (32T25)	3	DMR - 1153	P O C
4	KIRAN	3	DMR - 1154	LUDHIANA
5	PARKASH	3	DMR - 1155	LUDHIANA
6	X - 3342	3	DMR - 1156	P O C

ZONE - 3
DHOLI, JASHIPUR, BAHARAICH, VARANASI

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	J K M H - 1701	4	DMR - 1161	J K AGRI
2	KAVERI - 2020	4	DMR - 1162	KAVERI SEED
3	F H - 3246	4	DMR - 1163	ALMORA
4	KIRAN	4	DMR - 1164	LUDHIANA
5	PARKASH	4	DMR - 1165	LUDHIANA
6	X - 3342	4	DMR - 1166	P O C

ZONE - 4
ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	J K M H - 1701	5	DMR - 1171	J K AGRI
2	X 1150 (32T25)	5	DMR - 1172	P O C
3	J H - 31036	5	DMR - 1173	LUDHIANA
4	KIRAN	5	DMR - 1174	LUDHIANA
5	PARKASH	5	DMR - 1175	LUDHIANA
6	X - 3342	5	DMR - 1176	P O C

ZONE - 5
UDAIPUR, BANSWARA, GODHRA, CHINDWARA, AMBIKAPUR

AGRONOMIC TRIAL : - N x G YEAR 2005 KHARIF
EXTRA EARLY MATURITY

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	F H - 3211	1	DMR - 1101	ALMORA
2	SURYA	1	DMR - 1102	PANTNAGAR
3	HIM - 129	1	DMR - 1103	ALMORA
4	AMAR	1	DMR - 1104	PANTNAGAR
ZONE - 1 BAJAURA, SRINAGAR, KANGRA, ALMORA				

S NO	PEDIGREE	ZONE	CODE	ORIGIN
	F H - 3211	2	DMR - 1105	ALMORA
	A H - 23025	2	DMR - 1106	DELHI
	SURYA	2	DMR - 1107	PANTNAGAR
	HIM - 129	2	DMR - 1108	ALMORA
	AMAR	2	DMR - 1109	PANTNAGAR

ZONE - 2
LUDHIANA, DELHI, KANPUR, KARNAL
DATE OF DISPATCH : 28 - 5 - 2005

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	F H - 3211	4	DMR - 1112	ALMORA
2	D E H - 10103	4	DMR - 1113	DELHI
3	D E H - 10303	4	DMR - 1114	DELHI
4	D E H - 10503	4	DMR - 1115	DELHI
5	SURYA	4	DMR - 1116	PANTNAGAR
6	HIM - 129	4	DMR - 1117	ALMORA
7	AMAR	4	DMR - 1118	PANTNAGAR

ZONE - 4
ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, HYDERABAD

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	F H - 3211	5	DMR - 1119	ALMORA
2	SURYA	5	DMR - 1120	PANTNAGAR
3	HIM - 129	5	DMR - 1121	ALMORA
4	AMAR	5	DMR - 1122	PANTNAGAR

ZONE - 5
UDAIPUR, BANSWARA, GODHRA, CHINDWARA, AMBIKAPUR

AGRONOMIC TRIAL : - N x G YEAR 2005 KHARIF
Q P M TRIALS
FULL SEASON MATURITY

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	SHAKTIMAN - 1		DMR - 1221	DHOLI
2	SHAKTIMAN - 4		DMR - 1222	DHOLI
3	H Q P M - 1		DMR - 1223	KARNAL
4	PRO - 311		DMR - 1224	PRPAGRO

LOCATION :
ALMORA, BAJAURA, DELHI, LUDHIANA, KARNAL
BAHRAICH, VARANASI, DHOLI, CHHINDWARA, KOLHAPUR

E A R L Y M A T U R I T Y

S NO	PEDIGREE	ZONE	CODE	ORIGIN
1	FQH - 4567	4	DMR - 1225	ALMORA
2	VIVEK - 9	4	DMR - 1226	ALMORA
3	HIM 129	4	DMR - 1227	ALMORA

LOCATION :
KOLHAPUR, ALMORA, BAJAURA

BREEDER'S SEED PRODUCTION OF KHARIF 2005

Name of the crop- maize

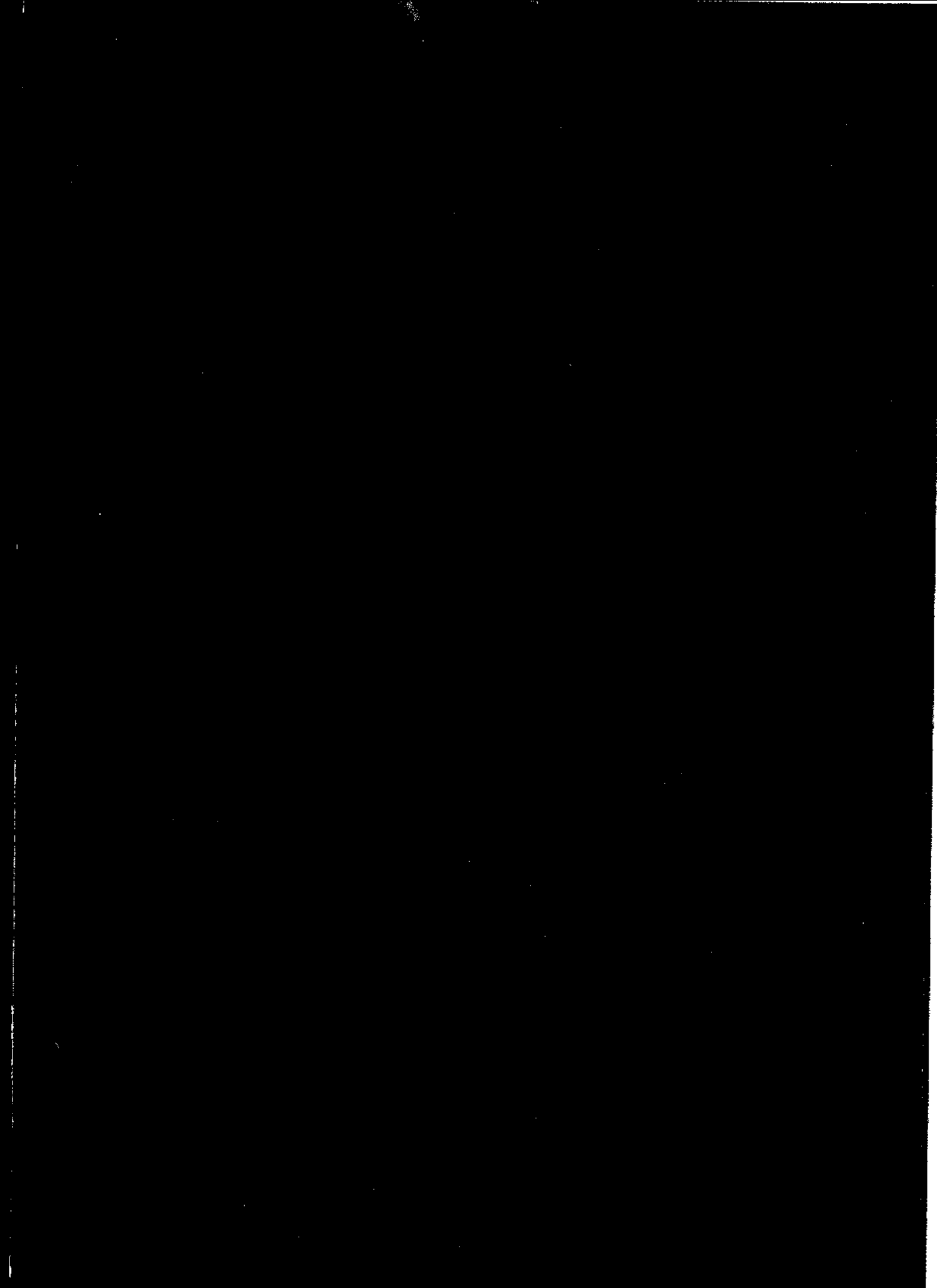
S. No.	Name of the state	Name of the producing centre	Name of the variety	DAC indent Qtls	Actual allocation as per MSP I (Qtls)	Production Qtls	Deficit (-) Surplus (+) target
1	UP	Pantnagar	D 931 (Gaurav)	0.72	0.72	NR	NR
			Sweta	0.65	0.65	NR	NR
			Pragati	0.65	0.65	5.25	-4.60
			Kanchan	1.00	1.00	1.60	-0.60
			Surya	0.80	0.80	1.60	-0.80
			Amar (D- 941)	1.28	1.28	1.60	-0.32
			CM 400	2.06	2.06	NR	NR
			CM 300	0.93	0.93	1.60	-0.67
			CM 600	0.67	0.67	2.50	-1.83
2	Punjab	Ludhiana	Navjot	2.10	2.10	4.47	-2.37
			Agati-76	0.12	0.12	1.15	-1.03
			Vijay Composite	1.37	1.37	2.00	-0.63
			CM-143	0.08	0.08	2.60	-2.52
			CM-144	0.04	0.04	0.20	-0.16
			CM-139	4.62	4.62	5.00	-0.38
			CM- 142	4.44	4.44	NR	NR
			CM-140	2.31	2.31	5.00	-2.69
			Kesari	0.08	0.08	2.60	-2.52
3	Rajasthan	Banswara	Mahi Dhawal	0.22	0.22	R	R
			Mahi Kanchan	2.67	2.67	R	R
4	Rajasthan	Udaipur	Pratap Makka-1 (Female)	0.11	0.11	0.20	-0.09
			Pratap Makka-1 (Male)	0.60	0.60	0.80	-0.20
			Aravali Makka-1 (Composite)	0.15	0.15	1.40	-1.25
5	MP	Chhindwara	JM -8	2.00	2.00	5.0	-3.00
			JM -216	4.50	4.50	2.0	2.50
			JM-13	5.00	5.00	NR	NR
			JM-12	2.00	2.00	20.0	-18.00

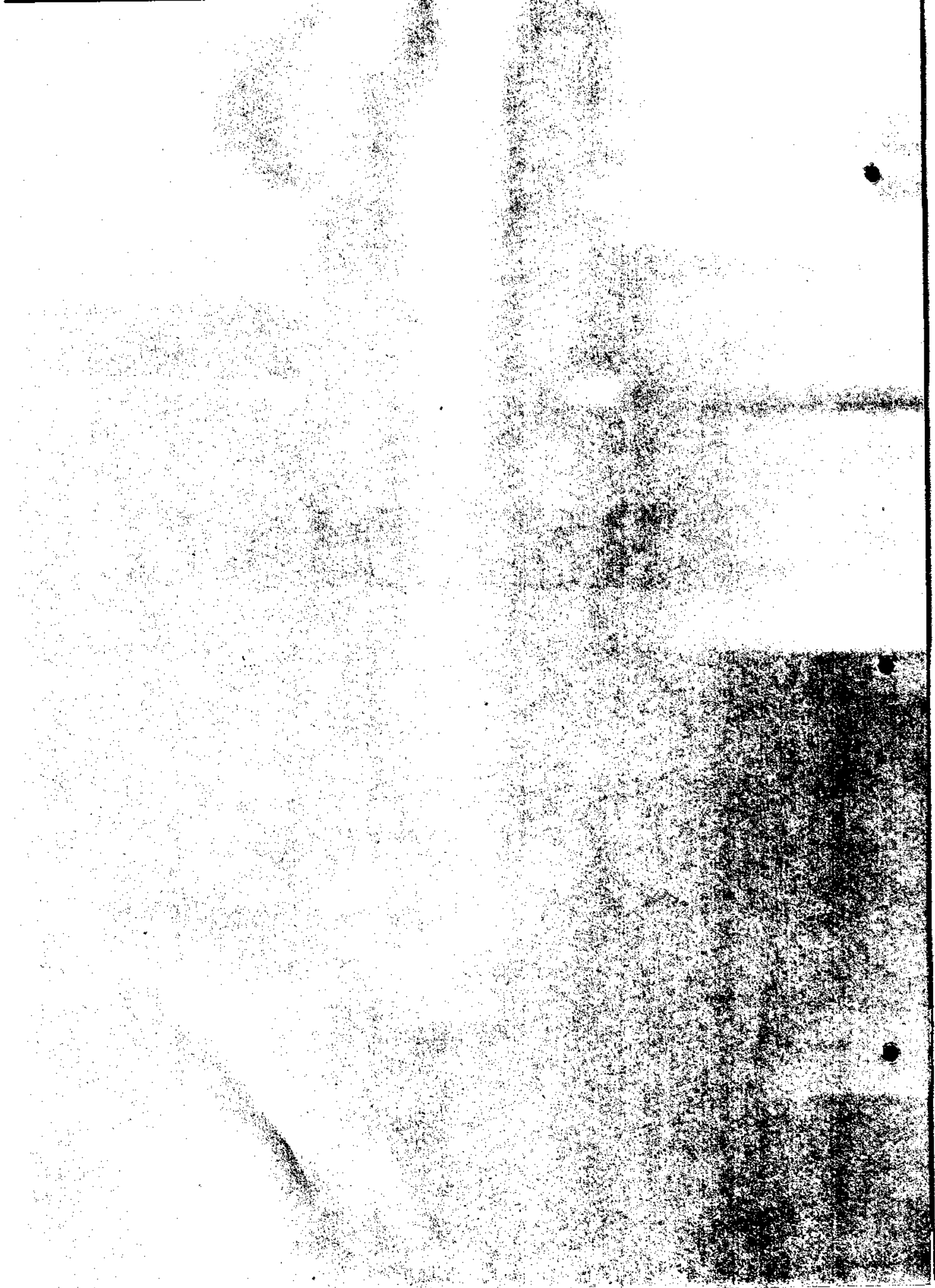
S. No.	Name of the state	Name of the producing centre	Name of the variety	DAC indent Qtls	Actual allocation as per BSP I(Qtls)	Production Qtls	Deficit(-) Surplus(+) target
6	AP	Hyderabad	CM 120	0.32	0.32	0.40	-0.08
			CM 116	0.23	0.23	0.30	-0.07
			CM 119	0.29	0.29	0.40	-0.11
			CM 208	0.16	0.16	0.25	-0.09
			CM 211	0.10	0.10	0.20	-0.10
			CM 131	0.10	0.10	0.20	-0.10
			CM 132	0.05	0.05	0.10	-0.05
			CM-133	0.05	0.05	0.50	-0.45
			Priya Sweet Corn	0.50	0.50	0.65	-0.15
7	Bihar	Dholi	CML-142	0.10	0.10	20.00	-19.90
			CML-150	1.73	1.73	0.50	1.23
			CML-186	2.00	2.00	3.00	-1.00
			CML-176	2.77	2.77	1.00	1.77
			Devaki	0.37	0.37	3.95	-3.58
			CML-161	0.11	0.11	0.70	-0.59
			CML-163	0.05	0.05	5.50	-5.45
			P7421	0.50	0.50	1.15	-0.65
			Suwan Comp.	0.47	0.47	0.95	-0.48
8	UP	Belipar	CML-142	0.10	0.10	R	R
			CML 150	1.73	1.73	R	R
			CML 186	2.00	2.00	R	R
9	Uttaranchal	Almora	CM 212	0.08	0.08	0.65	-0.57
			CM-141	0.06	0.06	0.12	-0.06
			Pop31-c4H5	0.04	0.04	0.04	0.00
10	Karnataka	Dharwad	CM-111	0.59	0.59	NR	NR
			CM 500	0.07	0.07	NR	NR
			CM 501	0.77	0.77	NR	NR
			CM 202	1.72	1.72	NR	NR
			KDMI-4	0.32	0.32	NR	NR
			KDMI-10	0.16	0.16	NR	NR
			DMR-2- Female	0.30	0.30	NR	NR
			- Male	0.24	0.24	NR	NR
11	Delhi	Delhi	CM-136	0.19	0.19	0.19	0.00
			CM-137	11.50	11.50	8.30	3.20
			CM-135	0.50	0.50	0.50	0.00
			CM-138	3.23	3.23	6.40	-3.17
			CM-213	0.20	0.20	0.20	0.00
			CM-142	4.44	4.44	0.50	3.94

S. No.	Name of the state	Name of the producing centre	Name of the variety	DAC indent Qtls	Actual allocation as per BSP I (Qtls)	Production Qtls	Deficit(-) Surplus(+) target
12	Delhi	DMR	WLD White	0.20	0.20	0.50	-0.30
			Shakti-1	0.09	0.09	0.30	-0.21
			CM-116	0.02	0.02	0.18	-0.16
13	J&K	Srinagar	C-6	1.0	1.0	1.5	-0.50
			C-15	1.0	1.0	2.0	-1.00
			Super-1	0.05	0.05	0.30	-0.25
14	UP	Kanpur	Asad Uttam	0.30	0.30	5.10	-4.88
15	Gujrat	Godhra	Narmada moti	0.45	0.45	3.09	-2.64
16	Haryana	Uchani	HHM1-Female	0.04	0.04	0.06	-0.02
			Male	0.02	0.02	0.05	-0.03
			HHM-5Female	0.11	0.11	0.12	-0.01
			Male	0.06	0.06	0.08	-0.02
			HHM-4Female	0.06	0.06	0.10	-0.02
			Male	0.04	0.04	0.08	-0.04
			HQPNI-Female	0.04	0.04	0.10	-0.06
			Male	0.02	0.02	0.08	-0.06
17	Mysore	Naganahally	NAC-6002	0.02	0.02	R	R
			NAC-6004	0.02	0.02	R	R

R = Rabi

NR = NOT REPORTED





CO-ORDINATED TRIALS

1	PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, BARAPANI, LUDHIANA, KARNAL, KANPUR, BELIPAR GORAKHPUR, VARANASI, DHOLI, RANCHI, JASHIPUR, PHS AGRI HYDERABAD, KARIMNAGAR, ARBHAVI, SYNGENTA BANGALORE, PROA BANGALORE, MANDYA, COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN IET, TRIAL No. TR61 DURING KHARIF (2005).	1 - 45
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Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																									
		BAJA						LUDH						ZN 1		ZN 2											
		R	BARA	R	MEAN	R	LUDH	R	KARN	R	KANP	R	R	MEAN	R	MEAN	R										
1	J H - 10704	18	1166	1	4260	18	8948	1	7219	4	8185	7	8117	1	18	1166	1	4260	18	8948	1	7219	4	8185	7	8117	1
2	J H - 10983	22	1019	22	4080	25	8382	3	5161	27	8207	6	7250	7	22	1019	22	4080	25	8382	3	5161	27	8207	6	7250	7
3	J H - 11024	10	1003	24	4693	8	8595	2	6701	11	8573	3	7956	2	10	1003	24	4693	8	8595	2	6701	11	8573	3	7956	2
4	J H - 11031	15	1096	3	4489	15	8004	7	2827	32	6973	24	5934	30	15	1096	3	4489	15	8004	7	2827	32	6973	24	5934	30
5	J H - 11044	3	974	27	5014	5	8220	4	5766	22	7464	17	7150	9	3	974	27	5014	5	8220	4	5766	22	7464	17	7150	9
6	J H - 11058	23	1033	18	4080	24	6726	18	5245	25	8666	1	6879	16	23	1033	18	4080	24	6726	18	5245	25	8666	1	6879	16
7	J H - 11068	21	1042	16	4102	22	8185	6	6523	12	6512	28	7073	11	21	1042	16	4102	22	8185	6	6523	12	6512	28	7073	11
8	E H - 434041	32	1108	2	3251	31	6008	28	6333	13	6011	31	6117	29	32	1108	2	3251	31	6008	28	6333	13	6011	31	6117	29
9	E H - 434042	26	972	28	3938	26	6569	20	5066	29	6837	27	6157	28	26	972	28	3938	26	6569	20	5066	29	6837	27	6157	28
10	N A H - 1144	30	969	29	3472	30	5687	31	6827	8	6178	30	6230	27	30	969	29	3472	30	5687	31	6827	8	6178	30	6230	27
11	N A H - 1137	24	1089	6	4102	21	6607	19	5964	17	6941	25	6504	22	24	1089	6	4102	21	6607	19	5964	17	6941	25	6504	22
12	N A H - 2049	2	1047	15	5266	2	6782	17	6744	10	7056	23	6860	17	2	1047	15	5266	2	6782	17	6744	10	7056	23	6860	17
13	H K H - 1178	14	1050	11	4547	14	7707	10	5169	26	8175	8	7017	12	14	1050	11	4547	14	7707	10	5169	26	8175	8	7017	12
14	H K H - 1236	7	1048	12	4781	7	7135	14	5523	24	7799	15	6819	19	7	1048	12	4781	7	7135	14	5523	24	7799	15	6819	19
15	M H 05-1	8	910	30	4687	9	5664	32	3576	31	7453	18	5565	32	8	910	30	4687	9	5664	32	3576	31	7453	18	5565	32
16	M H 05-2	29	1076	8	3692	29	5696	30	5865	19	5905	32	5822	31	29	1076	8	3692	29	5696	30	5865	19	5905	32	5822	31
17	B H - 2004200	27	1019	21	3861	27	6076	27	5998	16	8227	4	6767	21	27	1019	21	3861	27	6076	27	5998	16	8227	4	6767	21
18	N E C H - 131	11	1090	5	4686	10	7840	8	7485	2	8144	10	7823	3	11	1090	5	4686	10	7840	8	7485	2	8144	10	7823	3
19	N E C H - 132	5	1048	13	5025	4	8218	5	7012	7	8123	11	7784	4	5	1048	13	5025	4	8218	5	7012	7	8123	11	7784	4
20	M C H - 28	25	1063	9	4088	23	5947	29	5909	18	8625	2	6827	18	25	1063	9	4088	23	5947	29	5909	18	8625	2	6827	18
21	M C H - 29	12	1039	17	4660	11	6534	21	6118	14	8217	5	6956	14	12	1039	17	4660	11	6534	21	6118	14	8217	5	6956	14
22	30 R 77	13	1094	4	4646	12	7177	13	8013	1	8154	9	7782	5	13	1094	4	4646	12	7177	13	8013	1	8154	9	7782	5

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 1		ZN 2	
		BAJA	R	BARA	R	MEAN	R	LUDH	R	KARN	R	KANP	R	MEAN	R		
23	P O L O	5413	31	997	25	3205	32	6439	22	6075	15	6240	29	6251	26		
24	X - 4010	9044	4	1025	20	5034	3	6102	26	7147	5	8103	12	7117	10		
25	P H S - 54	7621	17	1010	23	4316	17	7382	11	5807	21	7244	20	6811	20		
26	R I L - 1111	7247	20	1028	19	4137	20	6140	25	7343	3	7255	19	6912	15		
27	P R O - 365	7271	19	1048	14	4159	19	7337	12	7078	6	7799	16	7405	6		
28	P R O - 367	8954	6	1053	10	5004	6	6883	16	5131	28	6899	26	6304	25		
CHECKS:																	
29	SEEDTEC - 2324	9857	1	997	26	5427	1	6294	23	6770	9	7862	14	6975	13		
30	BIO - 9681	8386	9	901	32	4644	13	7100	15	4689	30	7193	21	6327	24		
31	PRO - 311	7852	16	905	31	4378	16	7816	9	5761	23	8029	13	7202	8		
32	P ARSHAT	6562	28	1080	7	3821	28	6210	24	5860	20	7109	22	6393	23		
	MEAN YIELD=	7690		1031		4361		7013		6022		7505		6847			
	MEAN STAND	32		28		30		36		28		36		33			
	C.D. AT 5%=	1169		175		672		1094		227		1173		831			
	C.V. %	9.31		12.06		-		11.12		2.31		9.58		-			
	F (Prob)	.000		.871		-		.000		.000		.000		-			
	PLOT SIZE=	4.80		7.50		-		5.60		6.00		6.00		-			
AGRONOMY DATA:																	
	SOWING DATE(2005)	1-07		2-07		-		1-07		28-06		1-07		-			
	HARVEST DATE(2005)	7-11		20-11		-		10-10		5-10		10-10		-			
	IRRIGATION NOS	2		-		-		7		4		-		-			
	FERTILIZER APPLIED	N 120		80		-		150		150		-		-			
		P 60		60		-		60		60		-		-			
		K 40		40		-		30		40		-		-			

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DELH 30.2% : PANT 49.0% :
HYDE 22.2% : KOLH 23.3%

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3	
		BELI	R	VARA	R	DHOL	R	RANC	R	JASH	R	JASH	R	MEAN	R
1	J H - 10704	3975	13	4474	6	5740	3	4679	2	5661	1	4906	2	4906	2
2	J H - 10983	3061	23	2864	31	4522	16	3167	23	3714	30	3466	31	3466	31
3	J H - 11024	5631	1	4486	5	5228	6	4417	4	4406	8	4834	3	4834	3
4	J H - 11031	5618	2	3593	22	4009	26	3621	17	4051	18	4178	14	4178	14
5	J H - 11044	4474	6	4197	11	4748	11	2977	27	4822	4	4244	10	4244	10
6	J H - 11058	3987	12	4035	15	4509	17	3840	11	4538	7	4182	12	4182	12
7	J H - 11068	3226	20	3917	16	4082	25	3134	25	3974	21	3667	22	3667	22
8	E H - 434041	2839	28	3664	21	4254	20	2898	28	4202	12	3571	25	3571	25
9	E H - 434042	3256	19	4199	10	3110	32	3127	26	4068	16	3552	26	3552	26
10	N A H - 1144	3790	16	3769	20	3165	30	3740	13	3751	29	3643	23	3643	23
11	N A H - 1137	4243	8	3160	28	4123	23	3277	20	3676	31	3696	21	3696	21
12	N A H - 2049	2583	32	3303	25	4705	12	3675	16	4657	5	3784	18	3784	18
13	H K H - 1178	2738	30	3034	29	5003	9	3224	21	4003	19	3600	24	3600	24
14	H K H - 1236	4835	5	3794	18	4575	14	4131	5	4314	10	4330	8	4330	8
15	M H 05-1	2837	29	1773	32	3165	31	3304	19	4185	14	3053	32	3053	32
16	M H 05-2	2974	26	3913	17	3864	28	3706	14	4147	15	3721	20	3721	20
17	B H - 2004200	3367	17	3028	30	3811	29	2856	29	4299	11	3472	29	3472	29
18	N E C H - 131	5192	3	5637	1	5095	8	4126	6	3912	24	4792	4	4792	4
19	N E C H - 132	4013	10	4986	2	5839	2	5221	1	4937	3	4999	1	4999	1
20	M C H - 28	3929	14	3229	27	4389	19	3350	18	3784	28	3736	19	3736	19
21	M C H - 29	3822	15	4096	13	5110	7	3797	12	5029	2	4371	7	4371	7
22	30 R 77	3138	22	4425	7	5888	1	3693	15	3821	27	4193	11	4193	11

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3	
		GORA												MEAN	R
		BELI	R	VARA	R	DHOL	R	RANC	R	JASH	R	R	R		
23	P O L O	2891	27	3259	26	4222	22	3203	22	3951	22	3505	27		
24	X - 4010	3196	21	4945	3	4223	21	2644	31	4192	13	3840	16		
25	P H S - 54	2979	25	4312	8	5618	4	4005	8	4585	6	4300	9		
26	R I L - 1111	3262	18	3494	23	3990	27	3153	24	3534	32	3486	28		
27	P R O - 365	2589	31	3788	19	4815	10	4019	7	4399	9	3922	15		
28	P R O - 367	3999	11	4663	4	4564	15	4578	3	4061	17	4373	6		
CHECKS:															
29	SEEDTEC - 2324	4129	9	4261	9	4098	24	2682	30	3896	25	3813	17		
30	BIO - 9681	4421	7	4083	14	4699	13	3847	10	3845	26	4179	13		
31	PRO - 311	4925	4	4158	12	5243	5	3871	9	3916	23	4423	5		
32	PARBHAT	2998	24	3434	24	4445	18	2476	32	4001	20	3471	30		
	MEAN YIELD=	3716		3874		4527		3576		4198		3978			
	MEAN STAND	35		38		37		39		31		36			
	C.D. AT 5%=	827		646		1189		596		300		712			
	C.V. % =	15.85		11.87		18.72		11.87		5.09		-			
	F (Prob)	.000		.000		.000		.000		.000		-			
	PLOT SIZE=	6.00		7.50		7.50		7.00		6.00		-			
AGRONOMY DATA:															
	SOWING DATE(2005)	4-07		3-07		5-07		19-07		7-07		-			
	HARVEST DATE(2005)	20-10		10-10		-		10-11		27-10		-			
	IRRIGATION Nos	2		1		1		1		-		-			
	FERTILIZER APPLIED	N 120		120		100		100		120		-			
		P 60		60		60		60		60		-			
		K 60		40		40		40		60		-			

TABLE NO. 1 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												BANG SYNG		BANG PROA		MAND		COIM		ZN 4 MEAN	
		PHSA	R	KARI	R	ARBH	R	SYNG	R	PROA	R	MAND	R	COIM	R	COIM	R	MEAN	R				
1	J H - 10704	5989	23	11253	2	8570	2	10651	4	13286	4	7637	2	5037	30	8917	5						
2	J H - 10983	4178	32	7929	30	7511	16	6703	31	8865	25	4999	29	4581	32	6395	32						
3	J H - 11024	6338	18	10017	15	8483	3	9836	8	11114	18	7233	8	7582	7	8657	11						
4	J H - 11031	5498	30	9919	17	7831	15	7884	25	10242	23	6439	16	5997	22	7687	23						
5	J H - 11044	5939	25	8125	27	7027	21	7940	24	11832	11	6987	9	6827	15	7811	21						
6	J H - 11058	5502	29	9819	18	7048	19	8993	18	12149	10	7546	3	7245	10	8329	14						
7	J H - 11068	6082	22	9092	22	6821	25	9324	13	11529	15	5673	21	6499	18	7860	19						
8	E H - 434041	5764	26	8703	26	8657	1	6878	30	6805	32	4257	31	5956	23	6717	28						
9	E H - 434042	6523	15	9119	20	7045	20	8573	19	8237	30	4890	30	6623	17	7287	26						
10	N A H - 1144	6456	16	8917	24	8088	7	7779	26	8645	26	5555	22	7162	12	7515	25						
11	N A H - 1137	5964	24	7641	31	6490	26	8189	22	8615	27	6867	13	6331	19	7157	27						
12	N A H - 2049	6302	19	10695	10	7877	13	9289	14	11535	14	5416	25	6163	21	8183	17						
13	H K H - 1178	6789	11	10851	8	6966	23	9979	6	11505	16	5196	27	5206	28	8070	18						
14	H K H - 1236	6380	17	9186	19	6914	24	8526	20	10742	20	6317	17	5873	24	7705	22						
15	M H 05-1	7114	9	9108	21	7846	14	9253	15	12856	6	6638	15	6206	20	8432	13						
16	M H 05-2	6117	21	8784	25	5367	32	6286	32	7176	31	5737	19	5706	26	6453	30						
17	B H - 2004200	6562	14	8117	28	6202	31	7042	29	8420	29	3861	32	4874	31	6440	31						
18	N E C H - 131	8451	4	12193	1	6342	29	11070	2	14346	1	7440	6	7869	5	9673	2						
19	N E C H - 132	8929	1	11219	3	8016	10	12895	1	13073	5	6933	12	7913	4	9854	1						
20	M C H - 28	8910	2	10247	12	6283	30	10733	3	10384	21	7401	7	6970	14	8704	8						
21	M C H - 29	6845	10	11082	5	8071	8	10048	5	9490	24	5687	20	6751	16	8282	15						
22	30 R 77	6727	12	10837	9	6473	27	9514	10	11763	12	5448	23	8702	2	8495	12						

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												Zn 4 MEAN			
		HYDE			BANG SYNG			BANG PROA			MAND				COIM		
		PHSA	R	KARI	R	ARBH	R	SYNG	R	PROA	R	MAND	R	COIM	R		
23	P O L O	7559	6	10511	11	7898	11	7383	28	11163	17	5375	26	7580	8	8210	
24	X - 4010	8187	5	8958	23	8288	6	9405	12	11007	19	7934	1	7243	11	8718	
25	P H S - 54	8565	3	10221	13	7351	18	9627	9	13916	2	7519	4	8246	3	9349	
26	R I L - 1111	7212	7	10971	6	7898	12	9027	17	11674	13	6972	10	7082	13	8691	
27	P R O - 365	6680	13	11161	4	7414	17	9899	7	13680	3	7506	5	8911	1	9321	
28	P R O - 367	7209	8	9998	16	8443	5	8500	21	12366	8	6962	11	7452	9	8704	
CHECKS:																	
29	SEEDTEC - 2324	6295	20	10892	7	8462	4	9095	16	12784	7	5447	24	7706	6	8669	
30	BIO - 9681	5507	28	8062	29	6980	22	9477	11	10330	22	6706	14	5793	25	7551	
31	PRO - 311	5302	31	10035	14	8039	9	8003	23	12346	9	6055	18	5080	29	7837	
32	PARBHAT	5568	27	7474	32	6441	28	7591	27	8528	28	5011	28	5417	27	6576	
	MEAN YIELD=	6608		9723		7411		8919		10950		6239		6643		8070	
	MEAN STAND	39		38		37		36		33		35		26		35	
	C.D. AT 5%=	1255		2058		2230		2151		1397		1702		668		1637	
	C.V. % =	11.64		15.08		18.45		14.78		9.09		16.72		7.16		-	
	F (Prob)	.000		.000		.275		.000		.000		.000		.000		-	
	PLOT SIZE=	6.00		6.00		7.50		6.30		5.53		7.00		4.80		-	
AGRONOMY DATA:																	
	SOWING DATE(2005)	14-08		10-07		15-08		18-07		9-07		6-08		7-07		-	
	HARVEST DATE(2005)	28-11		28-10		21-12		17-11		14-11		8-11		28-10		-	
	IRRIGATION Nos	4		2		6		6		-		5		11		-	
	FERTILIZER APPLIED	N 120		180		150		150		-		150		135		-	
		P 60		60		75		60		-		75		63		-	
		K 60		30		38		60		-		40		50		-	

TABLE NO. 1 (CONT.)

S1 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	MEAN	R		
1	J H - 10704	6713	3	8801	1	3074	22	9044	8	6908	2	7022	3				
2	J H - 10983	4045	24	4536	32	2964	24	4755	32	4075	31	5157	30				
3	J H - 11024	5667	10	7902	4	3340	18	8507	12	6354	8	6831	4				
4	J H - 11031	4986	15	6998	15	3819	11	7495	18	5824	17	5942	21				
5	J H - 11044	7498	1	7156	9	3040	23	9148	7	6711	3	6391	11				
6	J H - 11058	5169	13	7051	14	3752	12	8783	9	6189	11	6322	13				
7	J H - 11068	5498	11	6323	19	3650	16	7687	17	5789	19	5997	20				
8	E H - 434041	2501	31	5368	28	1970	32	6245	27	4021	32	5039	32				
9	E H - 434042	3974	26	6306	20	3684	15	4991	31	4739	26	5432	27				
10	N A H - 1144	4573	21	5814	25	3132	19	5255	30	4694	27	5487	26				
11	N A H - 1137	3910	27	5912	24	2804	26	6825	24	4863	24	5512	25				
12	N A H - 2049	7230	2	7537	6	2553	29	8128	14	6362	7	6322	14				
13	H K H - 1178	4715	19	8116	3	2537	30	8518	11	5972	16	6120	16				
14	H K H - 1236	4629	20	7235	8	2612	27	6982	23	5365	22	6051	19				
15	M H 05-1	4755	18	5701	26	3883	9	7947	15	5571	21	5840	24				
16	M H 05-2	2981	30	5688	27	3075	21	6258	26	4501	30	5078	31				
17	B H - 2004200	3779	28	5107	31	3730	13	5680	29	4574	29	5179	29				
18	N E C H - 131	6212	7	7353	7	4283	3	7456	19	6326	9	7134	2				
19	N E C H - 132	6334	6	7133	11	4040	8	10739	2	7062	1	7411	1				
20	M C H - 28	4504	22	6774	17	4153	5	9358	5	6197	10	6336	12				
21	M C H - 29	2470	32	6123	21	4128	6	5759	28	4620	28	6119	17				
22	30 R 77	5729	9	6977	16	4235	4	9562	4	6626	4	6646	7				

TABLE NO. 1 (CONT.)

SI 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	MEAN	R		
23	P O L O	5173	12	5914	23	3852	10	9611	3	6138	12	5939	22				
24	X - 4010	4903	17	7111	12	4392	1	9287	6	6423	6	6540	9				
25	P H S - 54	5965	8	7110	13	2581	28	8659	10	6079	14	6682	5				
26	R I L - 1111	3649	29	6616	18	3082	20	10825	1	6043	15	6260	15				
27	P R O - 365	6365	5	8149	2	2916	25	7095	21	6131	13	6663	6				
28	P R O - 367	6419	4	7612	5	4390	2	7842	16	6566	5	6570	8				
CHECKS:																	
29	SEEDTEC - 2324	5146	14	6084	22	3645	17	8303	13	5795	18	6415	10				
30	BIO - 9681	4491	23	7153	10	3721	14	7060	22	5606	20	5926	23				
31	PRO - 311	4942	16	5366	29	4047	7	6370	25	5181	23	6098	18				
32	PARBHAT	3992	25	5299	30	2336	31	7450	20	4769	25	5204	28				
	MEAN YIELD=	4966		6635		3419		7738		5690		6114					
	MEAN STAND	31		33		25		39		32		34					
	C.D. AT 5% =	717		1464		750		1872		1201		1127					
	C.V. % =	8.85		15.72		15.62		17.23		-		-					
	F (Prob)	.000		.000		.000		.000		-		-					
	PLOT SIZE=	6.00		6.00		6.00		5.60		-		-					
AGRONOMY DATA:																	
	SOWING DATE (2005)	6-07		3-06		8-07		7-07		-		-					
	HARVEST DATE (2005)	9-10		5-10		8-10		21-10		-		-					
	IRRIGATION NOS	1		-		1		-		-		-					
	FERTILIZER APPLIED N	120		80		100		120		-		-					
	P	60		60		50		60		-		-					
	K	-		-		-		40		-		-					

TABLE NO. 1 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD * SUPERIORITY OVER THE SEEDTEC - 2324							ZN 2 MEAN
		BAJA	BARA	ZN 1 MEAN	LUDH	KARN	KANP	ZN 1 MEAN	
1	J H - 10704	-	16.99	-	42.17	6.63	4.11	16.37	
2	J H - 10983	-	2.21	-	33.17	-	4.39	3.94	
3	J H - 11024	-	0.61	-	36.55	-	9.05	14.07	
4	J H - 11031	-	9.98	-	27.16	-	-	-	
5	J H - 11044	-	-	-	30.60	-	-	2.51	
6	J H - 11058	-	3.60	-	6.86	-	10.23	-	
7	J H - 11068	-	4.56	-	30.04	-	-	1.41	
8	E H - 434041	-	11.15	-	-	-	-	-	
9	E H - 434042	-	-	-	4.37	-	-	-	
10	N A H - 1144	-	-	-	4.98	0.84	-	-	
11	N A H - 1137	-	9.28	-	7.75	-	-	-	
12	N A H - 2049	-	5.05	-	22.45	-	3.98	0.60	
13	H K H - 1178	-	5.36	-	13.36	-	-	-	
14	H K H - 1236	-	5.19	-	-	-	-	-	
15	M H 05-1	-	-	-	-	-	-	-	
16	M H 05-2	-	7.92	-	-	-	-	-	
17	B H - 2004200	-	2.25	-	-	-	4.64	-	
18	N E C H - 131	-	9.39	-	24.56	10.57	3.59	12.16	
19	N E C H - 132	-	5.15	-	30.56	3.59	3.33	11.60	
20	M C H - 28	-	6.69	-	-	-	9.71	-	
21	M C H - 29	-	4.25	-	3.81	18.37	4.52	-	
22	30 R 77	-	9.77	-	14.03	-	3.72	11.56	
23	P O L O	-	0.03	-	2.30	-	-	-	
24	X H S - 4010	-	2.86	-	-	5.58	3.06	2.03	
25	P H S - 54	-	1.32	-	17.28	-	-	-	
26	R I L - 1111	-	3.13	-	16.57	8.46	-	-	
27	P R O - 365	-	5.12	-	9.35	4.55	-	6.15	
28	P R O - 367	-	5.68	-	-	-	-	-	
29	CHECKS: SEEDTEC - 2324	-	-	-	-	-	-	-	
30	BIO - 9681	-	-	-	12.80	-	-	-	
31	PRO - 311	-	-	-	24.18	-	2.12	3.25	
32	PARBHAT	-	8.39	-	-	-	-	-	

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
1	J H - 10704	-	5.00	40.07	74.45	45.30	28.65
2	J H - 10983	-	-	10.34	18.07	-	-
3	J H - 11024	36.36	5.29	27.57	64.66	13.10	26.76
4	J H - 11031	36.05	-	-	34.98	3.99	9.57
5	J H - 11044	8.36	-	15.86	10.97	23.76	11.28
6	J H - 11058	-	-	10.03	43.14	16.49	9.66
7	J H - 11068	-	-	-	16.85	2.00	-
8	E H - 434041	-	-	3.80	8.04	7.85	-
9	E H - 434042	-	-	-	16.56	4.41	-
10	N A H - 1144	-	-	-	39.43	-	-
11	N A H - 1137	2.75	-	0.61	22.16	-	-
12	N A H - 2049	-	-	14.81	36.99	19.53	-
13	H K H - 1178	-	-	22.08	20.20	2.76	-
14	H K H - 1236	17.08	-	11.63	53.99	10.74	13.54
15	M H 05-1	-	-	-	23.17	7.43	-
16	M H 05-2	-	-	-	38.15	6.44	-
17	B H - 2004200	-	32.30	24.33	6.46	10.34	-
18	N E C H - 131	25.75	17.01	42.48	53.80	0.40	25.67
19	N E C H - 132	-	-	7.09	94.66	26.73	31.10
20	M C H - 28	-	-	24.68	24.90	-	-
21	M C H - 29	-	3.86	43.68	41.57	29.08	14.62
22	30 R 77	-	-	3.02	37.67	-	9.95
23	P O L O	-	16.05	3.05	19.41	1.41	0.70
24	X - 4010	-	1.19	37.08	-	7.61	12.76
25	P H S - 54	-	-	-	49.31	17.70	-
26	P I L - 1111	-	-	17.50	17.54	12.92	2.85
27	P R O - 365	-	-	11.37	49.83	4.23	-
28	P R O - 367	-	9.43	-	70.68	-	14.68
29	CHECKS: SEEDTEC - 2324	-	-	-	-	-	-
30	BIO - 9681	7.06	-	14.66	43.43	-	9.59
31	PRO - 311	19.28	-	27.93	44.32	0.52	15.98
32	PARBHAT	-	-	8.46	-	2.70	-

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 10704	30.46	44.66	-	8.92	19.22	9.47
2	J H - 10983	-	-	-	-	-	-
3	J H - 11024	10.14	29.87	-	2.46	9.65	6.49
4	J H - 11031	-	15.02	4.76	-	0.51	-
5	J H - 11044	45.71	17.62	-	10.17	15.81	-
6	J H - 11058	0.45	15.90	2.92	5.78	6.80	-
7	J H - 11068	6.84	3.93	0.13	-	-	-
8	E H - 434041	-	-	-	-	-	-
9	E H - 434042	-	3.65	1.06	-	-	-
10	N A H - 1144	-	-	-	-	-	-
11	N A H - 1137	-	-	-	-	-	-
12	N A H - 2049	40.51	23.87	-	-	9.79	-
13	H K H - 1178	-	33.39	-	2.59	3.05	-
14	H K H - 1236	-	18.92	-	-	-	-
15	M H 05-1	-	-	6.52	-	-	-
16	M H 05-2	-	-	-	-	-	-
17	B H - 2004200	-	-	2.31	-	-	-
18	N E C H - 131	20.72	20.86	17.48	-	9.17	11.22
19	N E C H - 132	23.10	17.24	10.83	29.33	21.86	15.53
20	M C H - 28	-	11.33	13.93	12.71	6.95	-
21	M C H - 29	-	0.64	13.24	-	-	-
22	30 R 77	11.34	14.67	16.18	15.16	14.35	3.61
23	P O L O	0.53	-	5.67	15.75	5.92	-
24	X - 4010	-	16.88	20.49	11.85	10.85	1.95
25	P H S - 54	15.93	16.86	-	4.29	4.90	4.17
26	R I L - 1111	-	8.74	-	30.37	4.29	-
27	P R O - 365	23.69	33.94	-	-	5.81	3.87
28	P R O - 367	24.75	25.11	20.43	-	13.31	2.43
CHECKS:							
29	SEEDTEC - 2324	-	-	-	-	-	-
30	BIO - 9681	-	17.57	2.08	-	-	-
31	PRO - 311	-	-	11.03	-	-	-
32	PARBHAT	-	-	-	-	-	-

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681							ZN 2	
		BAJA	BARA	ZN 1 MEAN	LUDH	KARN	KANP	MEAN	MEAN	
1	J H - 10704	-	29.34	-	26.03	53.96	13.80	28.30		
2	J H - 10983	-	13.00	-	18.05	10.07	14.10	14.58		
3	J H - 11024	-	11.24	-	21.05	42.93	19.19	25.75		
4	J H - 11031	-	21.59	-	12.73	-	-	-		
5	J H - 11044	7.97	8.04	-	15.78	22.99	3.77	13.01		
6	J H - 11058	-	14.54	-	-	11.85	20.49	8.72		
7	J H - 11068	-	15.61	-	15.29	39.13	-	11.80		
8	J H - 434041	-	22.90	-	-	35.08	-	-		
9	E H - 434042	-	7.86	-	-	8.06	-	-		
10	N A H - 1144	-	7.54	-	-	45.60	-	2.80		
11	N A H - 1137	-	20.82	-	-	27.20	-	8.43		
12	N A H - 2049	13.11	16.15	-	-	43.84	-	10.90		
13	H K H - 1178	-	16.49	-	8.55	10.25	13.65	7.78		
14	H K H - 1236	1.53	16.31	-	0.50	17.80	8.43	-		
15	M H 05-1	0.93	1.00	-	-	-	3.62	-		
16	M H 05-2	-	19.32	-	-	25.10	-	-		
17	B H - 2004200	-	13.05	-	-	27.93	14.38	6.95		
18	N E C H - 131	-	20.95	-	10.43	59.65	13.23	23.65		
19	N E C H - 132	7.35	16.26	-	15.74	49.57	12.94	23.03		
20	M C H - 28	-	17.96	-	-	26.04	19.92	7.90		
21	M C H - 29	-	15.27	-	1.09	30.49	14.24	9.95		
22	30 R 77	-	21.36	-	-	70.91	13.37	22.99		
23	P O L O	-	10.60	-	-	29.57	-	-		
24	X - 4010	7.85	13.72	-	-	52.44	12.65	12.49		
25	P H S - 54	-	12.02	-	3.97	23.85	0.72	7.65		
26	R I L - 1111	-	14.03	-	-	56.61	0.86	9.25		
27	P R O - 365	-	16.22	-	3.34	50.96	8.42	17.03		
28	P R O - 367	6.77	16.85	-	-	9.43	-	-		
CHECKS:										
29	SEEDTEC - 2324	17.54	10.56	-	-	44.39	9.30	10.24		
30	BIO - 9681	-	-	-	-	-	-	-		
31	PRO - 311	-	0.34	-	10.09	22.88	11.63	13.83		
32	PARBHAT	-	19.84	-	-	24.99	-	1.04		

TABLE NO. 1 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681							ZN 3 MEAN
		GORA BELI	VARA	DHOL	RANC	JASH	JASH	JASH	
1	J H - 10704	-	9.58	22.16	21.63	47.21	-	17.39	
2	J H - 10983	-	-	-	-	-	-	-	
3	J H - 11024	27.38	9.87	11.26	14.80	14.59	-	15.66	
4	J H - 11031	27.09	-	-	-	5.36	-	-	
5	J H - 11044	1.22	2.78	1.05	-	25.39	-	1.54	
6	J H - 11058	-	-	-	-	18.02	-	0.07	
7	J H - 11068	-	-	-	-	3.34	-	-	
8	E H - 434041	-	2.84	-	-	9.26	-	-	
9	E H - 434042	-	-	-	-	5.79	-	-	
10	N A H - 1144	-	-	-	-	-	-	-	
11	N A H - 1137	-	-	-	-	-	-	-	
12	N A H - 2049	-	-	0.13	-	21.10	-	-	
13	H K H - 1178	-	-	6.48	-	4.11	-	-	
14	H K H - 1236	9.37	-	-	7.37	12.20	-	3.60	
15	M H 05-1	-	-	-	-	8.84	-	-	
16	M H 05-2	-	-	-	-	7.83	-	-	
17	B H - 2004200	-	-	-	-	11.79	-	-	
18	N E C H - 131	17.46	38.06	8.43	7.23	1.72	-	14.68	
19	N E C H - 132	-	22.11	24.27	35.72	28.39	-	19.63	
20	M C H - 28	-	-	-	-	-	-	-	
21	M C H - 29	-	0.31	8.74	-	30.78	-	4.59	
22	30 R 77	-	8.38	25.31	-	-	-	0.33	
23	P O L O	-	-	-	-	2.74	-	-	
24	X - 4010	-	-	-	-	9.03	-	-	
25	P H S - 54	-	21.10	19.56	4.11	19.24	-	2.89	
26	R I L - 1111	-	5.60	-	-	-	-	-	
27	P R O - 365	-	-	2.48	-	14.41	-	-	
28	P R O - 367	-	14.20	-	19.00	5.60	-	4.64	
29	CHECKS:	-	-	-	-	-	-	-	
30	SEEDTEC - 2324	-	4.36	-	-	1.31	-	-	
31	BIO - 9681	-	-	-	-	-	-	-	
32	PRO - 311	11.42	1.84	11.58	0.63	1.84	-	5.83	
33	PARBHAT	-	-	-	-	4.05	-	-	

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681							OV'L MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	BIO - 9681 MEAN		
1	J H - 10704	49.47	23.04	-	28.11	23.22	18.49		
2	J H - 10983	-	-	-	-	-	-		
3	J H - 11024	26.19	10.46	-	20.50	13.33	15.27		
4	J H - 11031	11.01	-	2.62	6.16	3.89	0.27		
5	J H - 11044	66.94	0.04	-	29.58	19.69	7.85		
6	J H - 11058	15.09	-	0.82	24.42	10.39	6.68		
7	J H - 11068	22.40	-	-	8.88	3.26	1.20		
8	E H - 434041	-	-	-	-	-	-		
9	E H - 434042	-	-	-	-	-	-		
10	N A H - 1144	1.82	-	-	-	-	-		
11	N A H - 1137	-	-	-	-	-	-		
12	N A H - 2049	60.98	5.36	-	15.14	13.48	6.68		
13	H K H - 1178	4.99	13.45	-	20.66	6.51	3.28		
14	H K H - 1236	3.07	1.14	-	-	-	2.10		
15	M H 05-1	5.87	-	4.34	12.57	-	-		
16	M H 05-2	-	-	-	-	-	-		
17	B H - 2004200	-	-	0.22	-	-	-		
18	N E C H - 131	38.32	2.80	15.08	5.61	12.83	20.39		
19	N E C H - 132	41.03	-	8.57	52.12	25.96	25.06		
20	M C H - 28	0.29	-	11.61	32.56	10.54	6.92		
21	M C H - 29	-	-	10.93	-	-	3.26		
22	30 R 77	27.57	-	13.81	35.45	18.18	12.15		
23	P O L O	15.18	-	3.52	36.14	9.47	0.21		
24	X - 4010	9.18	-	18.03	31.55	14.57	10.36		
25	P H S - 54	32.82	-	-	22.66	8.43	12.76		
26	R I L - 1111	-	-	-	53.34	7.79	5.63		
27	P R O - 365	41.72	13.92	-	0.50	9.36	12.43		
28	P R O - 367	42.92	6.41	17.97	11.08	17.11	10.88		
CHECKS:									
29	SEEDTEC - 2324	14.57	-	-	17.61	3.36	8.25		
30	BIO - 9681	-	-	-	-	-	-		
31	PRO - 311	10.03	-	8.76	-	-	2.91		
32	PARBHAT	-	-	-	5.53	-	-		

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRO - 311							ZN 2 MEAN
		BAJA	BARA	ZN 1 MEAN	LUDH	KARN	KANP	KANP	
1	J H - 10704	-	28.90	-	14.48	25.30	1.95	12.71	
2	J H - 10983	-	12.62	-	7.23	-	2.22	0.66	
3	J H - 11024	6.76	10.86	-	9.95	16.32	6.78	10.47	
4	J H - 11031	0.38	21.18	-	2.40	-	-	-	
5	J H - 11044	15.30	7.67	-	5.16	0.09	-	-	
6	J H - 11058	-	14.15	-	-	-	7.94	-	
7	J H - 11068	-	15.21	-	4.72	13.23	-	-	
8	E H - 434041	-	22.48	-	-	9.93	-	-	
9	E H - 434042	-	7.49	-	-	-	-	-	
10	N A H - 1144	-	7.17	-	-	-	-	-	
11	N A H - 1137	-	20.41	-	-	18.49	-	-	
12	N A H - 2049	20.80	15.75	-	-	3.52	-	-	
13	H K H - 1178	2.44	16.09	-	-	17.06	1.82	-	
14	H K H - 1236	8.43	15.91	-	-	-	-	-	
15	M H 05-1	7.79	0.65	-	-	-	-	-	
16	M H 05-2	-	18.91	-	-	1.81	-	-	
17	B H H - 2004200	-	12.66	-	-	4.12	2.46	8.62	
18	N E C H - 131	5.48	20.53	-	0.30	29.93	1.44	8.09	
19	N E C H - 132	14.65	15.86	-	5.13	21.72	1.18	8.09	
20	M C H - 28	-	17.56	-	-	2.57	7.43	-	
21	M C H - 29	5.46	14.87	-	-	6.20	2.34	8.05	
22	30 R 77	4.41	20.95	-	-	39.09	1.57	-	
23	P O L O	-	10.22	-	-	5.45	0.92	-	
24	X - 4010	15.18	13.33	-	-	24.06	-	-	
25	P H S - 54	-	11.64	-	-	0.79	-	-	
26	R I L - 1111	-	13.64	-	-	27.45	-	-	
27	P R O - 365	-	15.83	-	-	22.85	-	2.81	
28	P R O - 367	14.03	16.45	-	-	-	-	-	
CHECKS:									
29	SEEDTEC - 2324	25.53	10.19	23.95	-	17.51	-	-	
30	BIO - 9681	6.80	-	6.06	-	-	-	-	
31	PRO - 311	-	-	-	-	-	-	-	
32	PARBHAT	-	19.43	-	-	1.72	-	-	

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD * SUPERIORITY OVER THE PRO - 311							ZIN 3 MEAN
		GORA BELI	VARA	DHOL	RANC	JASH			
1	J H - 10704	-	7.60	9.49	20.88	44.54	10.92		
2	J H - 10983								
3	J H - 11024	14.33	7.89	-	14.09	12.51	9.29		
4	J H - 11031	14.07	-	-	-	3.45	-		
5	J H - 11044	-	0.92	-	-	23.12	-		
6	J H - 11058	-	-	-	-	15.88	-		
7	J H - 11068	-	-	-	-	1.47	-		
8	J E H - 434041	-	-	-	-	7.29	-		
9	J E H - 434042	-	0.98	-	-	3.87	-		
10	N A H - 1144	-	-	-	-	-	-		
11	N A H - 1137	-	-	-	-	-	-		
12	N A H - 2049	-	-	-	-	18.91	-		
13	H K H - 1178	-	-	-	-	2.22	-		
14	H K H - 1236	-	-	-	6.70	10.16	-		
15	M H 05-1	-	-	-	-	6.87	-		
16	M H 05-2	-	-	-	-	5.88	-		
17	B H - 2004200	-	-	-	-	9.77	-		
18	N E C H - 131	5.42	35.57	-	6.57	-	8.36		
19	N E C H - 132	-	19.91	11.37	34.88	26.07	13.04		
20	M C H - 28	-	-	-	-	-	-		
21	M C H - 29	-	-	-	-	-	-		
22	30 R.77	-	-	-	-	28.41	-		
23	P O L O	-	6.42	12.31	-	-	-		
24	X - 4010	-	-	-	-	0.88	-		
25	P H S - 54	-	18.92	-	-	7.05	-		
26	P I L - 1111	-	3.69	7.15	3.46	17.08	-		
27	P R O - 365	-	-	-	-	-	-		
28	P R O - 367	-	12.14	-	3.81	12.34	-		
	CHECKS:	-	-	-	18.26	3.69	-		
29	SEEDTEC - 2324	-	2.47	-	-	-	-		
30	BIO - 9681	-	-	-	-	-	-		
31	PRO - 311	-	-	-	-	-	-		
32	PARBHAT	-	-	-	-	2.17	-		

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRO - 311					OV'L MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	J H - 10704	35.84	64.01	-	41.97	33.32	15.14
2	J H - 10983	-	-	-	-	-	-
3	J J H - 11024	14.68	47.25	-	33.54	22.63	12.01
4	J J H - 11031	0.89	30.41	-	17.65	12.41	-
5	J J H - 11044	51.72	33.36	-	43.60	29.51	4.80
6	J J H - 11058	4.59	31.40	-	37.88	19.44	3.67
7	J J H - 11068	11.24	17.83	-	20.66	11.73	-
8	E E H - 434041	-	0.03	-	-	-	-
9	E E H - 434042	-	17.51	-	-	-	-
10	N A H - 1144	-	8.34	-	-	-	-
11	N A H - 1137	-	10.17	-	7.14	-	-
12	N A H - 2049	46.30	40.45	-	27.60	22.79	3.67
13	H K H - 1178	-	51.23	-	33.72	15.25	0.36
14	H K H - 1236	-	34.83	-	9.60	3.53	-
15	M H 05-1	-	6.24	-	24.76	7.53	-
16	M H 05-2	-	6.00	-	-	-	-
17	B H H - 2004200	-	-	-	-	-	-
18	N E C H - 131	25.70	37.03	5.81	17.04	22.09	16.99
19	N E C H - 132	28.17	32.93	-	68.57	36.29	21.52
20	M C H - 28	-	26.23	2.62	46.90	19.61	3.90
21	M C H - 29	-	14.11	2.00	-	-	0.34
22	30 R 77	15.93	30.01	4.64	50.10	27.88	8.98
23	P O L O	4.67	10.21	-	50.87	18.45	-
24	X H S - 4010	-	32.52	8.52	45.78	23.97	7.24
25	P H S - 54	20.71	32.49	-	35.93	17.32	9.57
26	R I L - 1111	-	23.29	-	69.93	16.63	2.65
27	P R O - 365	28.79	51.86	-	11.38	18.33	9.26
28	P R O - 367	29.89	41.85	8.47	23.10	26.72	7.74
CHECKS:							
29	SEEDTEC - 2324	4.12	13.38	-	30.34	11.83	5.19
30	BIO - 9681	-	33.30	-	10.82	8.20	-
31	PRO - 311	-	-	-	-	-	-
32	PARBHAT	-	-	-	16.95	-	-

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT							ZN 3 MEAN
		GORA BELI	VARA	DHOL	RANC	JASH			
1	J H - 10704	32.58	30.29	29.14	89.01	41.48		41.35	
2	J H - 10983	2.11	-	1.73	27.92	-		39.27	
3	J H - 11024	87.82	30.64	17.62	78.40	10.13		20.38	
4	J H - 11031	87.39	4.63	-	46.24	1.26		22.26	
5	J H - 11044	49.24	22.20	6.82	20.23	20.51		20.49	
6	J H - 11058	32.99	17.50	1.44	55.09	13.42		5.64	
7	J H - 11068	7.60	14.06	-	26.60	-		2.90	
8	E H - 434041	-	6.70	-	17.06	5.01		2.33	
9	E H - 434042	8.59	22.27	-	26.29	1.67		4.96	
10	N A H - 1144	26.40	9.75	-	51.07	-		6.48	
11	N A H - 1137	41.52	-	-	32.35	-		9.04	
12	N A H - 2049	-	-	5.85	48.43	16.39		3.74	
13	H K H - 1178	-	-	12.56	30.23	0.05		24.75	
14	H K H - 1236	61.26	10.47	2.92	66.85	7.83		7.20	
15	M H 05-1	-	-	-	33.45	4.60		0.04	
16	M H 05-2	-	13.93	-	49.68	3.64		38.08	
17	B H - 2004200	12.31	-	-	15.35	7.44		44.04	
18	N E C H - 131	73.20	64.16	14.63	66.64	-		7.65	
19	N E C H - 132	33.85	45.20	31.37	110.91	23.39		25.93	
20	M C H - 28	31.04	-	-	35.32	-		20.81	
21	M C H - 29	27.50	19.27	14.95	53.39	25.69		0.99	
22	30 R 77	4.66	28.87	32.47	49.16	-		10.64	
23	P O L O	-	-	-	29.38	-		23.89	
24	X - 4010	6.61	43.99	-	6.79	4.78		0.45	
25	P H S - 54	-	25.56	26.39	61.78	14.60		13.01	
26	R I L - 1111	8.80	1.74	-	27.35	-		26.00	
27	P R O - 365	-	10.32	8.33	62.33	9.95			
28	P R O - 367	33.39	35.78	2.68	84.93	1.49			
CHECKS:									
29	SEEDTEC - 2324	37.73	24.08	-	8.35	-		9.87	
30	BIO - 9681	47.45	18.90	5.71	55.40	-		20.41	
31	PRO - 311	64.28	21.09	17.95	56.37	-		27.43	
32	PARBHAT	-	-	-	-	-		-	

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT							OV'L MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN			
1	J H - 10704	68.17	66.10	31.59	21.39	44.85		34.93	
2	J H - 10983	1.32		26.85					
3	J H - 11024	41.97	49.13	42.94	14.19	33.23		31.26	
4	J H - 11031	24.89	32.08	63.45	0.60	22.12		14.18	
5	J H - 11044	87.82	35.06	30.13	22.79	40.70		22.82	
6	J H - 11058	29.48	33.08	60.58	17.90	29.77		21.49	
7	J H - 11068	37.71	19.34	56.22	3.17	21.39		15.24	
8	E H - 434041		1.31						
9	E H - 434042		19.01	57.68				4.38	
10	N A H - 1144	14.56	9.73	34.07				5.44	
11	N A H - 1137		11.58	20.03		1.96		5.92	
12	N A H - 2049	81.11	42.24	9.28	9.10	33.40		21.49	
13	H K H - 1178	18.12	53.16	8.61	14.34	25.21		17.61	
14	H K H - 1236	15.96	36.55	11.81		12.48		16.27	
15	M H 05-1	19.10	7.59	66.20	6.67	16.82		12.22	
16	M H 05-2		7.35	31.61					
17	B H - 2004200			59.63					
18	N E C H - 131	55.61	38.78	83.30	0.08	32.64		37.09	
19	N E C H - 132	58.67	34.63	72.93	44.14	48.06		42.41	
20	M C H - 28	12.84	27.84	77.77	25.61	29.95		21.76	
21	M C H - 29		15.57	76.69				17.58	
22	30 R 77	43.52	31.67	81.27	28.35	38.93		27.71	
23	P O L O	29.58	11.62	64.88	29.00	28.69		14.12	
24	X - 4010	22.83	34.21	88.00	24.65	34.68		25.67	
25	P H S - 54	49.43	34.18	10.47	16.23	27.46		28.41	
26	P R I L - 1111		24.87	31.93	45.30	26.71		20.29	
27	P R O - 365	59.44	53.80	24.79		28.56		28.03	
28	P R O - 367	60.80	43.66	87.91	5.26	37.67		26.26	
CHECKS:									
29	SEEDTEC - 2324	28.90	14.83	56.03	11.45	21.50		23.26	
30	BIO - 9681	12.50	35.01	59.28		17.55		13.88	
31	PRO - 311	23.79	1.28	73.23		8.64		17.19	
32	PARBHAT								

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED										ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
		BAJA	BARA	ZN 1 MEAN	LUDH	KARN	KANP	KANF	KANP	KARN	BAJA							
1	J H - 10704	64.0	61.5	62.8	55.5	51.3	55.0	53.9	60.5	57.0	53.3	58.5	52.8	56.4				
2	J H - 10983	58.3	61.8	60.0	54.5	50.7	55.0	53.4	59.8	56.5	54.8	58.5	52.8	56.5				
3	J H - 11024	64.3	60.5	62.4	54.3	49.7	56.0	53.3	57.5	54.3	51.8	60.0	52.0	55.1				
4	J H - 11031	62.7	60.3	61.5	55.0	50.3	51.0	52.1	57.3	52.5	52.5	62.3	53.8	55.5				
5	J H - 11044	66.0	61.3	63.6	58.3	54.3	58.7	56.9	59.8	57.3	53.5	57.0	55.8	56.6				
6	J H - 11058	64.7	60.5	62.6	56.8	52.0	48.7	52.5	59.5	56.5	54.5	56.3	52.8	55.9				
7	J H - 11068	63.0	60.8	61.9	53.3	48.3	56.0	52.5	57.0	52.3	52.5	54.5	49.3	53.1				
8	J H - 434041	65.7	61.3	63.5	55.3	52.3	55.0	54.2	59.0	55.5	52.8	57.5	53.3	55.6				
9	J H - 434042	62.7	60.5	61.6	52.5	48.7	49.0	50.1	55.3	52.5	52.8	56.0	50.3	53.3				
10	N A H - 1144	60.0	60.8	60.4	53.3	48.0	53.0	51.4	56.5	52.8	55.3	54.5	47.3	53.3				
11	N A H - 1137	63.0	61.0	62.0	52.5	49.3	48.0	49.9	57.5	50.8	52.0	52.5	46.8	51.9				
12	N A H - 2049	64.0	62.3	63.1	58.3	53.3	58.0	56.5	61.3	57.3	54.8	57.8	55.3	57.7				
13	N A H - 1178	65.3	60.3	62.8	54.3	49.3	55.0	52.9	60.5	56.3	53.3	55.5	53.0	55.3				
14	H K H - 1236	64.0	61.3	62.6	53.8	49.3	51.0	51.4	59.0	56.8	52.5	57.5	50.8	55.3				
15	M H 05-1	64.7	59.8	62.2	56.8	52.0	55.0	54.6	59.8	56.0	56.0	57.5	53.0	56.5				
16	M H 05-2	61.3	60.0	60.7	52.0	47.3	44.0	47.8	55.8	49.8	53.8	54.5	48.0	52.3				
17	B H - 2004200	61.0	61.3	61.1	54.3	49.0	55.0	52.8	59.0	55.0	53.0	55.5	50.5	54.6				
18	N E C H - 131	63.7	60.5	62.1	52.8	49.3	58.7	53.6	56.5	53.0	53.3	55.5	51.3	54.8				
19	N E C H - 132	64.3	61.0	62.7	56.3	51.3	56.0	54.5	58.0	55.3	53.8	54.5	52.8	55.3				
20	M C H - 28	66.0	61.0	63.5	55.8	50.3	59.0	55.0	60.5	55.5	55.5	54.5	51.8	55.3				
21	M C H - 29	63.0	61.8	62.4	55.3	53.3	56.0	54.9	60.3	56.5	54.0	54.5	50.8	55.3				
22	30 R 77	61.3	62.0	61.7	55.5	49.7	56.0	53.7	57.3	56.5	55.3	56.3	53.5	56.2				
23	P O L O	65.0	60.8	62.9	58.0	51.7	49.0	52.9	59.3	57.0	54.8	56.5	51.0	55.7				
24	X - 4010	66.0	61.5	63.8	57.5	52.0	50.0	53.2	59.8	55.8	53.3	56.5	51.8	55.3				
25	P H S - 54	65.3	61.8	63.5	55.8	51.7	52.0	53.1	60.8	57.8	55.0	57.5	51.5	55.7				
26	P R I L - 1111	65.0	60.5	62.8	55.8	52.0	45.0	50.9	59.3	55.0	55.0	57.5	51.5	55.7				
27	P R O - 365	64.0	60.8	62.4	53.8	49.7	48.7	50.7	60.3	56.5	53.0	57.5	51.0	55.7				
28	P R O - 367	58.0	59.8	58.9	51.0	47.3	56.3	51.6	56.3	52.0	50.8	54.5	47.5	52.2				
CHECKS:																		
29	SEEDTEC - 2324	65.7	59.8	62.7	57.3	52.3	56.0	55.2	59.0	56.0	54.5	53.5	51.3	54.8				
30	BIO - 9681	60.3	60.0	60.2	51.8	47.7	55.3	51.6	56.0	51.8	53.3	54.8	47.3	52.6				
31	PRO - 311	61.7	60.5	61.1	54.5	51.3	53.0	52.9	56.8	56.3	51.3	57.5	50.3	54.4				
32	PARBHAT	63.7	61.8	62.7	56.8	50.3	50.3	52.5	58.8	55.3	54.8	58.5	52.8	56.0				
MEAN LOCATION		63.4	60.9	62.1	54.9	50.5	53.3	52.9	58.5	54.9	53.6	56.4	51.3	55.0				
C.D. AT 5% =		1.5	2.0	1.8	2.3	0.9	2.4	1.9	0.9	2.3	2.5	1.9	2.5	2.0				
C.V. % =		1.4	2.4	-	3.0	1.1	2.8	-	1.1	2.9	3.3	2.4	3.5	-				
P (Prob)		.000	.614	-	.000	.000	.000	-	.000	.000	.001	.000	.000	-				

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED										ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	PHSA	KARI	ARBH	BANG SYNG	BANG PROA	MAND	COIM	ZN 4								
1	J H - 10704	56.3	53.8	52.7	60.7	56.8	54.7	50.3	55.0	53.0	53.5	52.8	56.3	53.9	55.7			
2	J H - 10983	55.3	54.3	52.7	62.7	57.5	54.3	51.0	55.4	56.0	55.0	50.5	56.0	54.4	55.6			
3	J H - 11024	53.7	53.8	54.3	60.0	58.0	55.0	51.8	55.2	53.3	54.8	48.5	57.5	54.6	55.3			
4	J H - 11031	53.7	53.5	53.7	60.7	57.8	55.7	49.8	55.0	56.0	50.0	51.3	57.0	53.8	55.1			
5	J H - 11044	56.3	53.8	54.7	60.0	59.8	55.0	51.8	56.0	57.0	53.8	51.0	57.5	54.8	56.6			
6	J H - 11058	58.3	54.5	53.3	62.7	60.8	55.0	49.8	56.3	51.0	55.5	45.8	52.5	54.8	56.0			
7	J H - 11068	49.3	49.5	52.7	62.0	55.3	51.7	48.8	52.7	51.0	55.5	45.8	52.5	51.2	53.4			
8	E H - 434041	53.3	54.5	53.7	63.0	58.5	56.3	50.5	55.7	56.0	52.8	53.5	54.8	54.3	55.9			
9	E H - 434042	51.3	50.5	53.0	61.3	54.8	52.7	48.3	53.1	51.7	54.3	48.0	54.8	52.2	53.4			
10	N A H - 1144	51.3	50.0	51.7	60.0	54.3	51.7	49.0	52.6	52.7	57.0	46.0	51.0	51.2	52.9			
11	N A H - 1137	50.7	49.8	54.0	61.3	54.8	52.7	49.5	53.2	52.7	51.5	49.5	51.0	51.2	52.7			
12	N A H - 2049	55.7	53.5	56.0	59.3	58.8	56.0	52.0	55.9	56.3	52.3	52.0	57.5	54.5	56.7			
13	H K H - 1178	53.7	53.5	53.3	62.0	57.5	55.0	50.3	55.0	53.3	47.0	53.5	55.3	52.3	55.1			
14	H K H - 1236	53.7	53.3	54.7	61.3	58.8	53.7	50.0	55.0	57.0	55.5	50.5	57.3	55.1	55.3			
15	M H - 05-1	55.0	53.0	53.7	60.0	60.0	56.0	48.8	55.2	57.7	55.3	50.0	56.8	54.9	56.0			
16	M H - 05-2	49.0	50.8	52.7	61.3	54.8	51.3	48.0	52.7	51.0	49.5	46.0	52.3	49.7	52.1			
17	B H E - 2004200	52.0	52.5	54.3	61.3	57.0	54.3	51.0	54.6	57.3	53.5	52.0	55.0	53.8	54.8			
18	N E C H - 131	53.0	54.5	53.3	58.3	56.5	54.3	49.3	54.2	51.7	55.3	52.0	55.3	53.5	54.6			
19	N E C H - 132	52.7	53.0	51.3	61.0	58.5	56.0	49.8	54.6	53.7	54.3	48.8	55.8	53.1	55.1			
20	M C H - 28	52.7	52.3	53.7	59.7	57.0	55.7	51.3	54.6	52.3	56.5	53.5	56.0	54.6	55.8			
21	M C H - 29	53.3	53.8	52.7	59.7	57.8	55.3	50.0	54.6	53.7	54.5	50.5	57.8	54.1	55.5			
22	30 R 77	52.7	52.3	54.3	60.3	56.0	54.0	49.5	54.2	54.0	55.0	51.3	52.8	53.3	54.9			
23	P O L O	52.3	53.8	54.7	61.0	57.3	55.0	50.5	54.9	54.3	54.3	48.8	54.0	55.1	55.3			
24	X H S - 4010	53.0	54.0	52.0	62.0	57.3	55.3	52.8	55.2	56.3	57.0	53.0	54.0	55.1	55.7			
25	P H S - 54	53.0	54.8	51.7	63.3	58.0	55.7	49.8	55.2	53.0	53.3	51.5	57.5	53.8	55.8			
26	R I L - 1111	52.0	52.3	55.3	63.0	58.0	55.7	50.0	55.2	56.0	52.3	51.5	53.5	53.3	55.0			
27	P R O - 365	53.7	54.0	52.7	61.3	56.3	56.0	51.0	55.0	53.0	53.5	46.5	56.8	52.4	54.8			
28	P R O - 367	49.7	49.3	54.0	59.7	54.0	52.7	50.3	52.8	52.3	56.0	45.8	50.8	51.2	52.8			
29	CHECKS: SEEDTEC - 2324	53.0	53.0	53.7	62.0	57.0	55.3	50.8	55.0	56.0	55.0	51.0	54.8	54.2	55.6			
30	BIO - 9681	52.3	50.5	51.7	62.7	54.5	53.0	50.0	53.5	51.3	57.0	47.5	51.8	51.9	53.3			
31	PRO - 311	53.7	54.0	53.3	63.0	57.0	56.0	50.5	55.4	55.0	56.5	49.5	56.0	54.3	55.1			
32	PARBHAT	53.3	52.8	53.0	61.7	56.5	54.3	51.8	54.8	54.7	57.0	52.3	56.0	55.0	55.5			
	MEAN LOCATION	53.1	52.8	53.4	61.2	57.1	54.6	50.3	54.6	54.3	54.1	50.1	55.0	53.4	54.9			
	C.D. AT 5% =	2.4	1.4	2.8	1.3	1.1	2.0	1.5	1.8	1.1	1.2	1.9	1.9	1.5	-			
	C.V. % =	2.8	1.9	3.2	1.3	1.4	2.3	2.1	-	1.3	1.6	2.6	2.5	-	-			
	F (Prob)	.000	.000	.213	.000	.000	.000	.000	-	.000	.000	.000	.000	-	-			

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING				KARN	KARNP	ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
		BAJA	BARA	ZN 1 MEAN	LUDH									
1	J H - 10704	67.0	64.5	65.8	58.3	54.3	61.0	57.9	62.5	61.8	56.3	62.0	59.8	
2	J H - 10983	61.0	65.3	63.1	56.8	52.7	60.0	56.5	62.0	62.0	57.3	62.0	59.7	
3	J H - 11024	66.7	65.0	65.8	56.5	51.7	60.3	56.2	59.8	57.8	54.5	60.0	57.5	
4	J J H - 11031	65.3	63.5	64.4	57.8	52.7	55.0	55.1	59.3	57.3	55.5	62.8	58.0	
5	J J H - 11044	68.3	64.3	66.3	58.8	56.7	63.0	60.7	61.8	62.3	55.5	60.3	58.8	
6	J J H - 11058	67.3	64.8	66.0	58.0	54.3	63.0	56.1	59.5	59.5	57.0	60.3	58.8	
7	J J H - 11068	65.3	65.0	65.2	56.5	51.3	60.3	56.1	58.0	55.3	55.3	59.0	56.8	
8	J E H - 434041	68.7	64.5	66.6	57.3	55.3	59.0	57.2	61.3	60.8	55.8	61.5	59.2	
9	J E H - 434042	65.3	64.5	64.9	54.8	50.7	53.7	53.0	57.5	55.3	55.3	59.8	56.8	
10	N A H - 1144	62.3	63.8	63.0	57.0	50.3	57.0	54.8	59.0	58.8	57.8	58.3	56.8	
11	N A H - 1137	65.3	64.3	64.8	55.5	51.3	53.0	53.3	59.8	58.3	55.0	55.0	55.8	
12	N A H - 2049	66.7	66.5	66.6	60.5	55.3	62.0	59.3	64.0	62.0	57.5	60.3	58.7	
13	H K H - 1178	68.0	64.3	66.1	56.5	51.3	60.0	55.9	62.5	60.0	56.3	58.8	58.9	
14	H K H - 1236	66.7	65.3	66.0	56.3	52.3	56.0	54.9	61.3	61.8	55.5	60.8	58.7	
15	M H 05-1	67.3	63.5	65.4	59.0	54.7	60.3	58.0	62.0	64.3	58.8	60.8	60.5	
16	M H 05-2	64.0	63.8	63.9	53.8	49.3	49.7	50.9	58.0	55.5	56.5	57.5	55.7	
17	B H E C H - 2004200	63.0	64.8	63.9	56.3	51.7	59.0	55.6	61.5	61.0	56.5	58.8	58.3	
18	N E C H - 131	66.7	64.0	65.8	55.8	51.3	62.7	56.6	59.0	56.8	56.5	59.0	57.8	
19	N E C H - 132	67.0	64.5	65.3	58.8	53.3	60.0	57.4	60.3	60.3	56.5	57.8	57.8	
20	M C H - 28	68.3	65.0	66.7	59.5	53.3	63.0	58.6	62.8	61.8	57.8	57.5	59.3	
21	M C H - 29	65.3	65.0	65.2	57.5	55.3	61.0	57.9	62.8	61.0	56.8	57.8	58.5	
22	30 R 77	63.7	65.5	64.6	57.5	52.7	60.7	56.9	59.5	61.5	57.5	60.3	59.3	
23	P O L O	68.0	65.0	66.5	60.5	54.7	52.7	55.9	61.5	61.5	57.0	60.3	58.3	
24	X H S - 4010	68.3	65.5	66.9	59.0	54.3	54.0	56.2	61.8	60.8	56.0	59.8	58.8	
25	P H S - 54	67.7	65.8	66.7	59.0	54.0	56.0	56.3	63.0	62.3	58.0	60.5	59.8	
26	P H L - 1111	68.0	64.3	66.1	58.5	54.0	50.3	54.3	61.5	60.3	57.3	60.8	58.8	
27	P R O - 365	67.3	65.0	66.2	56.0	52.3	53.7	54.0	62.8	60.8	55.8	61.3	58.8	
28	P R O - 367	61.0	63.8	62.4	52.5	49.3	58.0	53.3	58.5	56.8	54.8	57.8	55.6	
CHECKS:														
29	SEEDTEC - 2324	68.0	63.8	65.9	59.5	55.3	60.7	58.5	61.0	60.0	56.8	57.3	57.8	
30	BIO - 9681	62.7	64.0	63.3	53.5	50.0	60.3	54.6	58.5	57.0	56.3	58.3	56.0	
31	PRO - 311	64.0	63.5	63.8	57.3	53.3	57.7	56.1	59.3	61.3	54.3	61.0	57.8	
32	PARBHAT	66.0	65.3	65.6	59.3	53.3	53.0	55.2	61.0	61.0	57.5	62.0	59.5	
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING				BANG SYNG	BANG PROA	MAND	COIM MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	PHSA	KARI	ARBH										
1	J H - 10704	58.0	55.3	56.5	55.3	62.3	58.5	57.0	54.5	57.5	58.0	59.0	57.8	58.9	
2	J H - 10983	57.7	55.0	57.0	55.0	65.3	59.3	55.3	55.0	57.8	58.3	58.0	57.6	58.5	
3	J H - 11024	55.3	56.0	56.5	56.0	62.0	59.3	56.7	55.8	57.4	55.7	57.0	56.4	57.9	
4	J H - 11031	55.7	55.3	56.5	55.3	62.7	58.8	58.3	53.5	57.3	57.0	58.0	56.4	57.6	
5	J H - 11044	57.7	57.3	57.5	57.3	62.3	60.3	58.3	55.5	58.4	58.7	58.0	56.6	59.4	
6	J H - 11058	59.3	54.7	57.8	54.7	64.3	61.0	56.3	53.0	58.1	58.3	58.0	57.2	58.7	
7	J H - 11068	51.7	53.7	52.8	53.7	64.0	56.3	54.0	52.8	55.0	53.7	54.5	54.6	56.5	
8	J H - 11068	55.0	55.3	57.0	55.3	65.7	60.8	57.3	53.5	57.8	57.0	57.5	57.2	58.8	
9	E H - 434041	53.3	55.0	54.5	55.0	63.0	56.0	54.3	52.3	55.5	54.7	56.8	55.4	56.3	
10	N A H - 434042	53.3	53.7	53.3	53.7	61.7	55.3	54.0	53.0	54.9	55.3	55.8	55.5	56.2	
11	N A H - 1137	52.7	57.0	53.0	57.0	63.0	56.0	54.7	53.5	55.7	55.0	53.5	54.5	56.0	
12	N A H - 2049	57.3	56.3	56.8	56.3	61.3	60.0	57.7	56.0	57.9	58.3	59.0	57.1	59.4	
13	H K H - 1178	55.3	54.7	56.5	54.7	63.3	58.8	56.7	53.8	57.0	55.3	57.8	55.3	57.9	
14	H K H - 1236	56.0	56.3	57.0	56.3	63.0	59.5	56.3	54.5	57.5	58.3	60.3	58.1	58.3	
15	M H 05-1	56.0	55.3	56.8	55.3	62.7	61.5	58.7	52.8	57.6	59.7	60.0	58.3	59.2	
16	M H 05-2	51.0	54.3	54.0	54.3	64.0	55.8	52.3	53.0	54.9	54.7	54.8	53.5	55.1	
17	B H - 2004200	54.0	57.3	55.8	57.3	63.7	58.5	55.7	54.8	57.1	59.7	57.0	57.2	57.8	
18	N E C H - 131	54.7	53.7	56.8	53.7	60.3	57.3	56.3	53.3	56.0	55.7	57.3	56.9	57.4	
19	N E C H - 132	53.7	54.3	56.8	54.3	63.0	60.3	57.3	53.5	57.0	56.3	58.0	56.2	57.9	
20	M C H - 28	54.3	57.0	55.0	57.0	61.7	59.8	58.3	55.8	58.5	58.5	60.8	58.1	59.0	
21	M C H - 29	54.3	54.3	57.5	54.3	61.3	57.5	56.0	53.8	56.6	57.0	60.0	57.7	58.4	
22	30 R 77	54.7	56.3	55.8	56.3	62.0	58.3	56.3	53.8	57.0	56.0	54.8	55.9	58.1	
23	P O L O	54.3	57.3	56.3	57.3	63.0	58.5	56.7	53.8	57.0	57.0	55.3	55.9	58.4	
24	X - 4010	54.3	54.0	56.5	54.0	64.0	58.5	56.7	56.0	57.1	58.7	59.3	57.2	58.6	
25	P H S - 54	54.7	53.0	57.8	53.0	65.7	59.3	57.0	53.3	57.2	56.0	55.8	57.2	58.6	
26	R I L - 1111	53.7	56.0	55.0	56.0	65.0	59.5	57.0	53.5	57.1	58.7	54.5	56.4	57.8	
27	P R O - 365	54.7	54.3	57.0	54.3	63.3	57.0	57.0	54.0	56.9	55.3	54.5	55.5	57.6	
28	P R O - 367	51.7	57.3	52.3	57.3	61.0	54.8	54.7	54.3	55.1	55.3	51.8	55.3	55.5	
CHECKS:															
29	SEEDTEC - 2324	55.0	56.0	56.5	56.0	64.7	58.3	57.0	54.5	57.4	58.3	56.0	57.0	58.4	
30	BIO - 9681	54.3	53.3	52.8	53.3	65.0	55.5	55.0	53.5	55.6	53.7	54.0	55.2	56.2	
31	PRO - 311	55.0	55.3	57.5	55.3	65.0	57.8	57.7	54.5	57.5	57.0	57.3	57.4	58.0	
32	PARBHAT	55.3	54.7	55.8	54.7	64.0	59.0	56.4	54.8	57.2	57.0	58.8	58.5	58.5	
MEAN LOCATION															
C.D. AT 5% =															
C.V. % =															
P (Prob) =															

TABLE NO. 1 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% DRY HUSK		MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		PHSA	HYDE									
1	J H - 10704	99.7	95.5	94.0	98.3	95.2	84.3	86.5	86.5	93.5	87.7	93.5
2	J H - 10983	96.0	94.5	94.3	100.0	95.0	87.0	86.0	85.0	87.0	86.3	92.4
3	J H - 11024	94.0	93.8	94.3	100.8	94.7	86.0	88.0	85.5	95.0	88.6	92.6
4	J H - 11031	94.7	95.0	95.0	98.5	96.0	91.3	83.8	83.3	94.5	88.3	92.9
5	J H - 11044	97.0	92.8	93.7	100.5	95.5	89.3	83.8	85.3	94.5	88.2	93.5
6	J H - 11058	100.0	97.0	94.7	98.0	98.3	89.3	85.0	84.5	98.0	89.2	95.0
7	J H - 11068	91.7	93.5	93.0	97.8	93.1	83.7	86.0	87.3	89.0	86.5	91.7
8	J H - 434041	95.7	95.0	95.3	98.5	95.2	82.0	87.5	87.3	93.5	87.6	93.2
9	J H - 434042	95.7	93.8	94.3	97.3	93.5	81.3	84.5	86.0	91.0	85.7	91.5
10	N A H - 1144	93.3	92.8	94.3	98.0	92.9	84.0	87.5	86.5	87.5	86.4	91.0
11	N A H - 1137	92.0	92.0	94.7	98.0	92.7	81.7	84.8	87.3	85.0	84.7	90.7
12	N A H - 2049	97.0	93.5	94.0	101.0	95.2	92.3	86.3	88.3	100.0	90.8	94.6
13	N A H - 1178	99.0	95.8	94.7	98.8	97.6	84.7	83.3	87.8	99.0	88.9	95.7
14	N K H - 1236	98.7	95.3	95.3	99.5	98.0	88.3	87.5	87.0	99.0	90.5	96.0
15	M H 05-1	96.3	93.8	94.3	98.0	95.3	92.3	88.0	87.8	98.0	91.5	95.0
16	M H 05-2	90.7	93.8	93.7	98.0	93.3	82.3	80.3	87.8	89.5	85.0	90.9
17	B H - 2004200	95.3	95.3	94.0	99.8	95.0	88.3	85.5	87.5	89.5	87.7	93.1
18	N E C H - 131	94.0	95.0	95.0	98.5	94.4	85.7	88.5	87.0	96.0	88.4	93.8
19	N E C H - 132	95.0	94.3	93.7	98.5	95.3	85.3	86.3	87.0	95.0	89.3	94.6
20	M C H - 28	95.3	94.3	95.0	100.0	94.6	82.7	90.0	88.5	96.0	87.5	93.6
21	M C H - 29	94.0	95.0	94.0	98.8	94.7	80.3	85.8	87.5	96.5	89.3	94.9
22	30 R 77	94.7	94.5	94.0	98.8	95.4	90.3	85.0	87.5	96.5	90.0	94.1
23	P O L O	95.0	95.0	94.0	98.8	95.3	84.0	87.0	86.8	95.0	88.2	94.5
24	X H S - 4010	94.7	94.7	94.0	101.0	95.7	86.3	90.0	88.3	94.0	89.6	94.0
25	P H S - 54	94.7	95.5	93.0	98.3	95.5	86.3	85.5	87.8	94.0	88.4	94.0
26	R I L - 1111	94.0	94.5	94.0	98.5	95.3	85.3	85.5	88.5	95.0	88.6	93.7
27	P R O - 365	94.3	95.8	94.3	99.0	95.5	89.0	87.5	88.0	99.0	90.9	93.5
28	P R O - 367	91.7	92.0	94.3	98.8	94.2	90.3	87.5	87.0	89.0	88.3	92.5
CHECKS:												
29	SEEDTEC - 2324	95.0	94.0	94.0	99.5	95.3	85.7	88.8	88.3	91.0	88.4	93.2
30	BIO - 9681	92.7	93.0	93.7	98.5	93.7	83.0	88.0	87.5	86.5	86.3	91.3
31	PRO - 311	93.7	93.3	94.7	99.5	94.9	84.7	87.0	88.0	88.5	87.0	92.1
32	PARBHAT	94.7	92.5	94.3	99.8	94.5	84.0	90.8	86.8	97.0	89.6	93.5
	MEAN LOCATION	95.0	94.2	94.2	99.0	95.0	86.0	86.5	87.0	93.5	88.2	93.3
	C.D. AT 5%*	2.2	1.9	1.4	1.6	2.0	2.4	3.3	2.3	1.3	2.3	-
	C.V. %	1.4	1.4	0.9	1.1	-	1.7	2.7	1.9	1.0	-	-
	F (Prob)	.000	.000	.215	.000	-	.000	.000	.001	.000	-	-

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	MOISTURE %		AT HARVEST		GORA BELI	VARA	RANC	JASH	ZN 3 MEAN
		BAJA	BARA	ZN 1 MEAN	ZN 2 LUOH					
1	J H - 10704	23.0	26.0	24.5	21.9	26.6	35.2	22.6	16.6	25.2
2	J H - 10983	20.6	26.8	23.7	23.5	25.0	32.8	22.9	17.8	24.6
3	J H - 11024	23.1	26.8	25.0	23.0	24.2	31.6	22.8	18.0	24.2
4	J H - 11031	22.6	28.3	25.5	23.3	24.8	34.1	23.0	16.1	24.5
5	J H - 11044	22.4	27.3	24.8	22.3	25.3	33.3	24.1	18.0	25.2
6	J H - 11058	23.9	26.5	25.2	22.4	24.4	31.7	23.3	17.3	24.2
7	J H - 11068	23.6	28.0	25.8	22.1	23.2	32.6	23.2	17.0	24.0
8	J H - 434041	22.9	26.3	24.5	24.9	24.6	38.8	24.2	17.0	26.2
9	J H - 434042	22.8	27.0	24.9	22.5	23.7	30.9	24.4	17.0	24.0
10	N A H - 1144	22.4	25.5	23.9	23.2	25.8	35.1	23.8	16.9	25.4
11	N A H - 1137	23.2	26.8	25.0	23.3	24.7	33.4	22.1	17.0	24.3
12	N A H - 2049	22.8	25.8	24.3	24.1	24.1	39.5	22.6	17.3	27.9
13	H H - 1178	23.8	28.3	26.0	29.1	26.1	38.5	26.6	18.3	27.4
14	H K H - 1236	23.5	26.5	25.0	28.6	25.5	39.1	22.2	17.9	26.2
15	M H 05-1	23.2	27.0	25.1	30.7	25.1	39.6	22.5	17.3	26.1
16	M H 05-2	22.6	27.3	24.9	22.8	24.3	30.3	23.4	18.0	24.0
17	B H - 2004200	20.5	27.0	23.8	22.8	23.5	37.8	24.1	17.0	25.6
18	N E C H - 131	21.5	26.0	23.8	24.5	26.6	31.3	23.5	16.9	24.6
19	N E C H - 132	23.2	26.8	25.0	23.3	27.0	36.7	22.8	18.3	26.2
20	M C H - 28	24.5	27.8	26.1	25.0	26.8	39.3	23.2	17.6	26.7
21	M C H - 29	23.0	27.0	25.0	23.5	26.6	39.0	22.9	17.8	26.6
22	30 R 77	22.8	28.3	25.5	24.0	25.6	35.5	23.3	16.8	25.3
23	P O L O	23.3	26.8	25.0	24.4	24.1	36.9	24.1	16.7	25.4
24	X H S - 54	24.8	26.8	25.8	26.9	25.5	37.7	22.3	17.2	25.7
25	P H S - 1111	22.4	26.3	24.7	27.2	26.1	37.8	23.5	17.1	26.1
26	P R O - 365	23.4	28.3	25.3	23.3	24.5	38.5	22.6	16.6	25.5
27	P R O - 367	23.3	27.3	25.3	24.5	25.2	33.5	23.1	18.1	25.0
28	P R O - 367	22.9	26.5	24.7	22.3	24.4	30.7	23.0	17.2	23.8
CHECKS:										
29	SEEDTEC - 2324	22.8	27.5	25.1	26.0	26.4	36.1	24.5	16.5	25.9
30	BIO - 9681	22.8	27.5	25.1	22.5	25.3	32.5	23.9	16.9	24.6
31	PRO - 311	22.5	26.8	24.5	23.6	24.7	32.6	24.1	17.5	24.9
32	PARBHAT	22.9	27.0	24.9	24.2	25.1	35.2	23.4	17.3	24.6
MEAN LOCATION										
C.D. AT 5% =										
C.V. % =										
F (Prob) =										

TABLE NO. 1 (CONT.)

SL NO	PEDIGREE	MOISTURE %		AT HARVEST		MAND	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		PHSA	ARBH	BANG SYNG	BANG PROA								
1	J H - 10704	32.1	26.5	24.5	27.4	17.3	25.5	19.9	17.5	15.0	19.7	18.0	23.2
2	J H - 10983	29.9	23.0	22.6	27.6	17.1	24.0	17.1	17.2	14.9	20.3	17.4	22.4
3	J H - 11024	30.0	24.8	24.5	27.8	18.5	25.1	16.2	17.5	14.9	19.7	17.1	22.7
4	J H - 11031	32.6	22.0	24.1	27.3	18.8	25.0	16.7	17.1	14.8	19.9	17.1	22.8
5	J H - 11044	30.8	26.9	25.7	25.1	17.8	25.2	18.4	17.5	14.5	19.8	17.5	23.1
6	J H - 11058	32.5	27.7	24.8	29.3	20.1	26.9	15.9	17.4	14.5	17.0	16.2	23.0
7	J H - 11068	32.4	28.2	24.1	28.3	20.0	26.6	19.1	17.3	14.5	18.5	17.3	23.2
8	J H - 434041	30.9	24.7	25.5	26.7	17.5	25.1	17.4	16.7	15.0	19.1	17.0	23.3
9	J H - 434042	29.9	29.0	24.0	25.6	19.0	25.5	19.0	16.6	15.4	18.5	17.4	22.8
10	N A H - 1144	29.4	24.8	25.3	25.5	19.4	24.9	19.3	16.8	15.4	16.5	17.0	22.7
11	N A H - 1137	27.7	22.5	24.5	27.3	16.9	23.8	18.7	16.8	14.7	20.0	17.5	22.5
12	N A H - 2049	30.8	27.4	24.4	25.9	18.4	25.4	19.2	17.4	14.4	19.5	17.6	23.3
13	H K H - 1178	29.8	25.1	24.5	29.0	17.4	25.2	16.8	18.0	15.8	18.3	17.7	24.1
14	H K H - 1236	32.3	27.5	24.7	29.9	19.0	26.7	17.7	16.8	15.8	20.5	17.7	24.2
15	M H H 05-1	30.5	25.4	25.7	26.5	18.8	25.3	17.5	17.0	14.3	19.5	17.1	23.8
16	M H H 05-2	30.5	25.7	23.8	24.5	18.6	24.6	18.2	16.7	13.5	18.5	16.7	22.4
17	B H H - 2004200	28.5	29.2	23.8	26.4	17.8	25.1	18.4	17.0	15.6	17.5	17.1	22.9
18	N E C H - 131	29.8	24.5	24.6	29.3	18.1	25.3	20.0	17.3	14.9	18.3	17.6	22.9
19	N E C H - 132	34.6	25.4	25.0	28.8	18.3	26.3	17.0	17.5	15.8	20.0	17.7	23.8
20	M C H - 28	30.3	25.5	24.9	28.2	17.2	26.4	16.0	17.5	14.2	15.9	15.9	23.4
21	M C H - 29	31.0	28.5	24.8	27.5	18.4	26.1	17.4	17.0	15.4	21.1	17.7	23.8
22	30 R 77	30.7	24.5	25.2	28.4	19.0	25.6	16.7	17.5	13.9	18.0	16.6	23.1
23	P O L O	30.5	26.0	24.4	27.7	17.3	25.2	16.0	16.8	16.0	20.8	17.4	23.2
24	X - 4010	30.7	23.7	25.0	30.0	18.7	25.2	16.0	16.9	15.5	21.1	17.4	23.7
25	P H S - 54	29.1	21.8	24.6	26.6	19.2	24.3	16.0	16.9	15.5	19.6	17.4	23.3
26	P I L - 1111	29.7	27.9	25.2	27.8	17.6	25.6	16.2	16.9	15.0	20.8	17.2	23.3
27	P R O - 365	32.3	28.0	25.8	27.3	18.4	26.4	18.6	17.4	14.7	19.1	17.5	23.5
28	P R O - 367	27.9	26.1	24.4	25.2	19.2	24.6	16.1	16.8	14.0	19.5	16.6	22.3
CHECKS:													
29	SEEDTEC - 2324	29.1	25.3	24.5	25.2	18.9	24.6	20.0	17.4	14.5	20.7	18.1	23.5
30	BIO - 9681	30.2	25.6	24.5	26.0	19.8	25.2	19.7	17.5	15.0	19.1	17.9	23.1
31	PRO - 311	27.0	27.9	24.6	26.4	18.5	24.9	17.6	17.4	14.3	20.1	17.4	22.9
32	PARBHAT	29.6	27.8	24.5	24.6	17.4	24.8	16.3	17.5	16.3	20.1	17.5	22.8
MEAN LOCATION													
C.D. AT 5% =		30.4	25.9	24.6	27.2	18.4	25.3	17.7	17.2	14.9	19.3	17.3	23.2
C.V. % =		3.9	3.6	0.7	2.1	2.2	2.5	0.3	1.0	1.3	0.9	0.9	-
F (Prob)		7.8	8.6	1.8	5.5	7.2	-	1.2	4.2	6.1	3.3	-	-
		.169	.002	.000	.000	.201	-	.000	.447	.005	.000	-	-

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *										ZN 3 MEAN	HYDE PHSA	KARI ARBH	BANG SYNG	MAND	COIM	ZN 4 MEAN
		ZN 1 BAJA	ZN 2 KAMP	GORA BELI	DHOL	JASH	ZN 3 MEAN	HYDE PHSA	KARI ARBH	BANG SYNG	MAND							
1	J H - 10704	2.2	3.0	2.3	2.3	1.3	1.9	2.0	2.3	4.0	2.3	2.7	3.0	2.7	3.0	2.7		
2	J H - 10983	2.3	2.7	2.3	2.5	3.0	2.6	3.0	2.3	5.0	4.3	2.3	4.0	3.0	4.0	3.5		
3	J H - 11024	2.0	2.0	1.6	2.8	1.8	2.0	1.8	2.0	1.0	2.0	2.7	3.0	2.7	3.0	2.2		
4	J H - 11031	2.2	2.0	1.6	2.4	2.0	2.0	1.5	2.3	3.0	2.3	2.3	3.0	2.3	3.0	2.5		
5	J H - 11044	2.2	3.2	1.6	2.5	1.5	1.9	3.5	2.0	5.0	2.3	2.7	3.0	2.7	3.0	2.7		
6	J H - 11058	2.5	2.7	2.3	2.5	3.0	2.0	3.0	2.9	4.0	2.0	2.0	3.0	2.7	3.0	2.8		
7	J H - 11068	2.3	2.0	2.9	3.0	3.5	3.1	2.0	2.3	4.0	3.3	2.0	3.0	2.3	3.0	2.9		
8	E H - 434041	2.8	3.0	2.6	2.3	2.8	2.8	3.0	2.9	4.0	3.3	2.7	3.0	2.7	3.0	3.1		
9	E H - 434042	2.3	2.0	2.3	3.1	3.0	3.0	2.0	2.3	4.0	2.3	2.7	2.0	2.3	2.0	2.6		
10	N A H - 11144	2.2	3.3	1.9	3.0	3.0	3.0	3.0	2.3	4.0	2.3	2.3	2.0	2.3	2.0	2.6		
11	N A H - 11137	2.2	3.3	2.3	3.0	3.0	3.0	3.0	1.9	4.0	3.3	2.3	3.0	2.7	3.0	2.9		
12	N A H - 2049	2.2	2.2	2.3	2.5	1.5	2.1	2.0	2.3	3.0	2.3	2.7	3.0	2.7	3.0	2.5		
13	N K H - 1178	2.3	3.0	2.1	2.3	2.3	2.2	2.3	2.0	3.0	2.3	2.0	3.0	2.7	3.0	2.3		
14	H K H - 1236	2.0	2.5	1.8	2.5	2.0	2.2	2.0	1.8	3.0	2.7	2.5	3.0	2.0	3.0	2.6		
15	M H 05-1	2.7	3.0	2.9	2.8	2.0	2.3	2.0	2.0	3.0	2.0	2.7	3.0	2.3	3.0	2.4		
16	M H 05-2	2.2	3.0	2.4	2.4	2.5	2.4	2.3	2.9	3.0	2.3	2.3	3.0	2.7	3.0	2.8		
17	B H - 2004200	2.2	3.2	2.4	2.1	3.0	2.4	2.5	2.4	3.0	1.3	2.3	2.0	2.0	2.0	2.0		
18	N E C H - 131	2.2	2.2	1.9	2.3	2.0	2.3	3.0	1.3	1.7	1.3	2.0	2.0	2.7	2.0	1.8		
19	N E C H - 132	2.3	2.2	1.8	2.3	2.0	2.3	2.0	1.3	1.0	1.3	2.0	2.0	2.7	2.0	2.3		
20	M C H - 28	2.5	3.0	2.3	2.5	3.0	2.5	3.0	2.0	3.0	2.0	2.5	3.0	2.3	3.0	2.1		
21	M C H - 29	2.3	3.2	2.5	2.5	2.0	2.5	3.0	2.9	3.0	2.0	2.5	3.0	2.7	3.0	2.4		
22	30 R 77	2.3	2.7	3.0	2.5	3.0	2.5	3.0	3.0	3.0	2.0	2.5	3.0	3.0	3.0	2.7		
23	P O L O	2.5	2.7	3.0	2.5	3.0	2.5	3.0	3.0	3.0	2.0	2.5	3.0	3.0	3.0	2.6		
24	X - 4010	2.3	2.5	2.6	2.6	3.0	2.6	3.0	2.6	3.0	2.3	2.3	2.0	2.3	2.0	2.6		
25	P H S - 54	2.2	2.2	2.4	2.6	1.0	2.0	3.0	2.4	4.0	1.3	2.3	2.0	3.0	2.0	2.6		
26	R I L - 1111	2.5	3.5	2.5	3.3	3.8	2.0	3.8	2.5	4.0	2.3	3.0	2.0	3.0	2.0	2.7		
27	P R O - 365	2.3	2.0	2.3	2.4	2.0	2.2	2.0	2.3	4.0	2.3	2.3	2.0	2.0	3.0	2.2		
28	P R O - 367	2.0	3.2	2.5	2.4	2.3	2.3	2.3	2.5	3.0	1.7	2.3	2.0	2.3	2.0	2.3		
CHECKS:																		
29	SEEDTEC - 2324	2.3	3.0	2.1	2.6	2.3	2.3	2.3	2.1	4.0	3.0	2.7	2.0	2.7	2.0	2.8		
30	BIO - 9681	1.8	3.5	2.5	2.9	2.5	2.6	2.5	2.5	3.3	3.7	3.3	3.0	2.7	3.0	3.0		
31	PRO - 311	2.2	2.8	2.3	2.1	2.0	2.1	2.0	2.3	4.0	3.0	4.0	3.0	2.3	3.0	2.8		
32	PARBHAT	2.7	3.0	2.3	2.9	3.0	2.7	3.0	2.3	4.0	3.7	4.0	3.0	3.0	3.0	3.1		
MEAN LOCATION																		
C.D. AT 5% =																		
C.V. % =																		
F (Prob) =																		

TABLE NO. 1 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				OV'L MEAN	ZN 5 MEAN	CHHI	GODH	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	BAJA	ZN 1	ZN 2	GORA BELI	DHOL	JASH	ZN 3 MEAN
		UDAI	BANS	GODH	CHHI	ZN 1	ZN 2	ZN 1	ZN 2																	
1	J H - 10704	1.9	1.3	3.3	1.3	1.9	2.3	2.2	3.2	2.3	1.6	2.3	1.6	1.0	1.6											
2	J H - 10983	2.4	1.8	3.0	1.5	2.2	2.3	2.3	3.3	2.9	2.4	2.6	1.4	1.5	1.8											
3	J H - 11024	2.5	1.9	3.3	1.3	2.4	2.0	2.0	3.3	2.2	2.2	2.2	2.2	2.0	2.2											
4	J H - 11031	1.5	1.6	2.5	1.8	1.8	2.2	2.2	3.0	2.3	1.9	2.0	2.8	2.5	2.5											
5	J H - 11044	2.4	1.8	2.8	1.0	2.0	2.4	2.4	3.0	2.4	2.3	2.3	2.3	1.5	2.0											
6	J H - 11058	2.7	2.1	2.8	2.3	2.4	2.7	2.7	3.0	2.7	3.0	2.8	3.0	3.0	2.8											
7	J H - 11068	2.6	2.0	2.5	1.5	2.2	2.5	2.5	3.0	2.5	2.6	2.8	3.3	3.0	3.0											
8	E H - 434041	2.5	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	2.9	3.0	3.0											
9	E H - 434042	2.8	1.6	2.5	1.5	2.2	2.5	2.5	3.0	2.7	2.6	2.8	3.3	3.0	3.0											
10	N A H - 1144	2.9	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
11	N A H - 1137	1.9	1.6	2.5	1.5	2.2	2.5	2.5	3.0	2.7	2.6	2.8	3.3	3.0	3.0											
12	N A H - 2049	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
13	H K H - 1178	2.6	1.6	2.5	1.5	2.2	2.5	2.5	3.0	2.7	2.6	2.8	3.3	3.0	3.0											
14	H K H - 1236	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
15	H H 05-1	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
16	M H 05-2	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
17	B H - 2004200	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
18	B H - 131	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
19	N E C H - 132	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
20	M C H - 28	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
21	M C H - 29	2.8	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
22	30 R 77	2.6	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
23	P O L O	2.5	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
24	X H S - 4010	2.4	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
25	P H S - 54	2.7	2.0	3.5	1.5	2.2	2.5	2.5	3.0	2.7	2.6	2.8	3.3	3.0	3.0											
26	R I L O - 1111	2.3	1.6	3.3	1.5	2.2	2.5	2.5	3.0	2.3	2.3	2.3	3.3	3.0	3.0											
27	P R O - 365	2.3	1.6	3.3	1.5	2.2	2.5	2.5	3.0	2.3	2.3	2.3	3.3	3.0	3.0											
28	P R O - 367	2.5	1.9	3.3	1.8	2.4	2.7	2.7	3.0	2.5	2.3	2.3	3.6	3.0	3.0											
29	CHECKS: SEEDTEC - 2324	2.5	2.0	3.8	1.3	2.4	2.6	2.6	3.0	2.6	2.8	2.8	3.0	3.0	3.0											
30	BIO - 9681	2.6	1.6	2.5	1.5	2.2	2.5	2.5	3.0	2.6	3.1	3.1	3.0	3.0	3.0											
31	PRO - 311	2.4	2.0	2.8	1.8	2.3	2.5	2.5	2.8	2.8	3.3	3.3	2.5	3.0	3.0											
32	PARBHAT	2.5	2.3	3.0	1.5	2.2	2.5	2.5	2.8	2.8	2.6	2.6	3.3	3.0	3.0											
	MEAN LOCATION	2.5	1.9	3.0	1.5	2.2	2.5	2.5	2.8	2.8	2.8	2.8	3.3	3.0	3.0											
	C.D. AT 5% =	0.2	0.4	0.9	0.3	0.5	-	-	0.6	-	0.7	0.7	0.5	0.5	0.6											
	C.V. %	5.3	15.5	20.5	16.0	-	-	-	12.0	-	19.2	19.2	14.7	14.7	14.7											
	F (Prob)	.000	.007	.021	.000	-	-	-	.000	-	.000	.000	.000	.000	.000											

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	EAR ASPECT *										ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	PHSA	KARI	ARBH	SYNG	MAND	COIM	ZN 4	UDAI	BANS							
1	J H - 10704	2.7	1.3	1.3	2.3	3.0	1.3	2.0	2.1	1.9	1.0	3.3	1.1	1.8	2.0			
2	J H - 10983	4.3	1.8	1.8	2.5	4.7	2.7	3.0	3.1	2.4	2.16	3.3	1.8	2.4	2.8			
3	J H - 11024	2.7	1.8	1.8	2.5	2.0	2.0	2.0	2.7	2.5	3.0	1.4	2.2	2.1	2.4			
4	J H - 11031	2.7	1.8	1.8	2.5	3.7	2.3	3.0	2.7	2.5	3.0	1.4	2.2	2.1	2.4			
5	J H - 11044	3.3	1.0	1.0	2.5	2.3	1.7	3.0	2.3	1.5	3.3	1.0	1.9	2.1	2.4			
6	J H - 11058	3.0	1.0	1.0	2.3	4.0	1.7	3.0	2.5	2.4	3.5	1.3	2.2	2.3	3.3			
7	J H - 11068	2.7	1.3	1.3	2.3	3.0	1.7	3.0	2.3	2.4	2.5	1.4	2.1	2.6	3.8			
8	J H - 434041	2.7	2.3	2.3	2.5	4.0	3.0	3.0	2.9	2.7	2.1	3.8	2.2	2.4	2.6			
9	J H - 434042	2.3	2.0	2.0	2.3	4.0	2.0	3.0	2.6	2.4	1.9	2.8	2.2	2.4	2.4			
10	N A H - 1144	2.7	1.5	1.5	2.3	3.0	2.0	3.0	2.2	2.5	1.9	2.0	2.2	2.4	2.6			
11	N A H - 1137	3.7	1.5	1.5	2.3	3.0	1.3	3.0	2.5	2.5	2.1	1.5	2.3	2.3	2.6			
12	N A H - 2049	2.7	1.0	1.0	2.5	2.3	1.3	3.0	2.1	1.9	1.8	1.8	2.1	2.4	2.5			
13	H K H - 1178	2.3	1.8	1.8	2.5	3.0	2.0	3.0	2.4	2.5	1.8	1.8	2.4	2.4	2.3			
14	H K H - 1236	2.7	1.8	1.8	2.3	3.0	2.0	3.0	2.4	2.5	1.9	1.9	2.4	2.4	2.6			
15	M H 05-1	2.3	2.3	2.3	2.3	4.0	2.7	3.0	2.8	2.2	2.1	3.0	2.3	2.3	2.7			
16	M H 05-2	3.0	2.0	2.0	3.0	3.7	1.7	3.0	2.8	2.4	2.0	3.0	2.3	2.3	2.7			
17	M H - 2004200	2.3	2.5	2.5	2.5	5.0	2.7	3.0	3.0	2.6	2.0	2.5	2.3	2.3	2.7			
18	N E C H - 131	1.3	1.0	1.0	2.5	1.0	1.3	2.0	1.5	2.4	1.9	1.3	2.1	2.1	2.0			
19	N E C H - 132	1.0	1.0	1.0	2.5	1.3	2.0	2.0	1.6	2.5	1.9	1.1	2.2	2.2	1.9			
20	M C H - 28	1.3	1.8	1.8	2.0	3.0	2.0	2.0	2.2	2.4	3.3	1.9	2.5	2.5	2.3			
21	M C H - 29	2.0	1.3	1.3	2.0	2.7	2.3	3.0	2.2	2.8	2.1	1.6	2.5	2.5	2.3			
22	30 R 77	2.0	1.3	1.3	2.5	3.0	2.0	3.0	2.3	2.8	2.0	1.5	2.3	2.3	2.4			
23	P O L O	1.7	1.5	1.5	2.3	3.0	2.0	3.0	2.2	2.5	2.0	1.5	2.2	2.2	2.3			
24	X - 4010	1.3	1.5	1.5	2.3	3.0	2.0	3.0	2.2	2.5	2.0	1.5	2.2	2.2	2.6			
25	P H S - 54	1.7	2.0	2.0	2.8	4.0	2.7	3.0	2.7	2.4	1.9	2.0	2.1	2.1	2.3			
26	R I L - 1111	2.0	1.3	1.3	2.5	4.0	2.0	3.0	2.7	2.4	2.0	3.8	2.0	2.5	2.6			
27	R R O - 365	2.3	1.8	1.8	2.5	4.0	1.0	3.0	2.3	2.4	2.0	3.8	1.1	2.3	2.5			
28	P R O - 367	2.0	1.8	1.8	2.5	3.0	1.7	3.0	2.2	2.5	2.0	3.3	1.9	2.4	2.3			
29	CHECKS:																	
29	SEEDTEC - 2324	2.3	1.5	1.5	2.0	3.0	2.3	2.0	2.2	2.4	2.0	3.3	1.6	2.3	2.4			
30	BIO - 9681	3.7	1.8	1.8	2.5	3.0	2.7	3.0	2.8	2.4	1.6	3.0	2.0	2.3	2.6			
31	PRO - 311	3.7	2.5	2.5	2.3	3.7	2.7	3.0	3.0	2.4	3.3	2.0	2.5	2.5	2.7			
32	PARBHAT	3.7	1.8	1.8	2.8	3.0	2.7	3.0	2.8	2.3	3.8	1.4	2.4	2.4	2.7			
	MEAN LOCATION	2.5	1.7	1.7	2.4	3.2	2.0	2.7	2.4	2.4	3.2	1.6	2.3	2.3	2.4			
	C.D. AT 5% =	1.0	0.8	0.8	0.5	0.5	1.0	0.1	0.6	0.2	0.4	0.5	0.5	0.5	-			
	C.V. %	25.5	32.7	32.7	11.7	9.1	29.7	3.2	-	5.0	15.0	18.2	20.6	-	-			
	F (Prob)	.000	.000	.000	.009	.000	.007	.000	-	.000	.000	.023	.000	-	-			

TABLE NO. 1 (CONT.)

SL NO	PEDIGREE	HUSK COVER		GORA BELI	JASH	ZN 3 MEAN	KARI	ARBH	BANG SYNG	MAND	COIM	ZN 4 MEAN
		ZN 1 BAJA	ZN 2 KANP									
1	J H - 10704	2.0	3.0	2.5	1.0	1.8	2.3	2.5	2.3	3.0	2.0	2.4
2	J H - 10983	2.5	3.0	2.9	2.0	2.4	2.5	2.5	3.7	3.0	3.0	2.9
3	J H - 11024	2.3	2.5	2.3	2.0	2.1	3.0	2.0	2.0	3.0	2.0	2.4
4	J H - 11031	2.2	2.2	2.1	1.8	1.9	3.3	2.0	2.0	3.0	2.0	2.5
5	J H - 11044	2.2	2.8	1.9	1.0	1.4	2.0	2.0	2.7	2.7	2.0	2.3
6	J H - 11058	2.0	3.0	2.0	1.3	1.6	1.8	2.5	2.7	3.0	3.0	2.3
7	J H - 11068	2.0	2.7	2.3	2.0	2.3	1.3	2.0	2.7	2.7	2.0	2.3
8	J E H - 434041	2.5	3.2	2.6	1.8	2.0	2.3	2.0	2.3	2.7	2.0	2.3
9	J E H - 434042	2.0	2.3	2.1	1.8	1.9	1.3	2.0	2.3	2.0	2.0	1.9
10	N A H - 1144	2.2	2.3	1.9	1.8	2.1	1.8	2.8	2.7	2.0	3.0	2.5
11	N A H - 1137	2.0	3.2	2.4	1.0	1.7	1.5	2.0	2.0	2.3	2.0	2.0
12	N A H - 2049	2.0	2.8	2.2	1.3	1.2	1.8	2.0	2.7	2.3	3.0	2.7
13	H K H - 1178	2.0	2.7	1.9	1.3	1.2	1.5	2.3	2.0	2.3	2.0	2.2
14	H K H - 1236	2.2	2.5	2.5	1.8	1.6	2.8	2.0	2.3	2.3	2.0	2.2
15	M H 05-1	2.3	3.1	2.8	2.0	2.4	1.5	2.3	2.3	2.3	3.0	2.8
16	M H 05-2	2.2	3.0	2.6	1.5	2.1	2.8	2.3	3.0	3.0	2.0	2.1
17	B H - 2004200	2.0	3.2	1.9	1.3	1.4	1.3	2.3	2.0	3.0	3.0	2.8
18	N E C H - 131	2.2	3.2	2.3	1.8	1.6	1.8	2.3	2.0	2.0	2.0	1.9
19	N E C H - 132	2.2	3.0	2.8	1.8	1.8	1.8	2.0	1.3	2.3	2.0	1.9
20	M C H - 28	2.0	3.0	2.9	1.3	2.3	2.3	2.3	2.0	2.3	2.0	2.3
21	M C H - 29	2.0	2.8	2.4	1.5	1.9	1.8	2.0	2.0	2.7	2.0	2.2
22	30 R 77	2.3	3.0	2.6	2.0	2.3	1.8	2.0	2.7	3.0	2.0	2.1
23	P O L O	2.2	2.7	2.8	2.0	2.4	1.8	2.0	2.0	3.0	2.0	2.3
24	X - 4010	2.2	2.5	2.8	2.0	2.4	1.0	2.3	2.3	3.0	2.0	2.1
25	P H S - 54	2.2	2.0	2.3	1.3	1.8	2.5	2.5	2.0	3.0	2.0	2.4
26	R I L O - 1111	2.2	3.2	2.4	2.0	2.0	1.8	2.3	2.7	3.0	2.0	2.2
27	P R O - 365	2.2	2.5	2.4	1.3	1.8	2.0	2.3	2.0	2.3	2.0	2.1
28	P R O - 367	2.2	3.2	2.6	2.0	1.9	2.3	2.0	2.7	2.7	2.0	2.3
CHECKS:												
29	SEEDTEC - 2324	2.0	3.0	2.4	1.5	1.9	1.5	2.0	2.3	2.3	2.0	2.0
30	BIO - 9681	2.2	3.0	2.5	1.5	2.0	1.8	2.3	2.7	3.0	2.0	2.3
31	PRO - 311	2.2	2.8	1.9	1.3	1.6	1.5	2.0	2.3	2.0	2.0	2.0
32	PARBHAT	2.2	3.0	2.5	2.0	2.3	2.3	2.5	3.0	3.0	2.0	2.5
MEAN LOCATION												
C.D. AT 5% =		0.4	0.6	0.4	0.6	0.5	1.0	0.3	0.7	0.7	0.1	0.6
C.V. % =		10.0	13.5	12.6	25.6	-	33.9	8.8	18.1	16.0	4.0	-
F (Prob)		.183	.004	.000	.000	-	.000	.000	.000	.001	.000	-

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	HUSK COVER *				ZN 5 MEAN	OV'L MEAN	UNIFORMITY *			DHOL	JASH	ZN 3 MEAN
		UDAI	BANS	GODH	CHHI			ZN 1 BAJA	ZN 2 KANP	GORA BELI			
1	H - 10704	2.1	1.3	3.3	1.0	1.9	2.2	2.0	3.2	1.8	2.1	1.7	
2	H - 10983	2.6	2.0	2.5	2.3	2.2	2.6	2.5	2.7	2.1	2.3	2.5	
3	H - 11024	2.6	1.9	2.8	1.5	2.3	2.3	2.2	2.7	1.5	3.0	2.1	
4	H - 11031	2.6	1.8	3.0	1.8	2.3	2.3	2.0	2.0	1.5	2.4	1.9	
5	H - 11044	1.4	1.8	3.3	1.5	2.0	2.1	2.3	3.0	1.8	2.0	2.0	
6	H - 11058	2.4	1.8	3.3	1.3	2.2	2.2	2.2	2.7	1.9	3.1	2.3	
7	H - 11068	2.5	2.1	2.8	1.5	2.2	2.3	2.0	2.0	2.1	2.4	2.6	
8	H - 434041	2.6	2.1	3.0	1.0	2.2	2.3	2.2	3.2	1.9	2.3	2.2	
9	H - 434042	2.5	2.1	2.8	2.0	2.4	2.3	2.3	3.3	2.3	2.5	2.5	
10	AH - 1144	2.6	1.9	2.8	1.5	2.2	2.4	2.2	3.3	1.9	3.3	2.4	
11	AH - 1137	2.6	2.3	2.8	1.5	2.3	2.0	2.2	3.3	2.4	2.1	2.8	
12	AH - 2049	1.9	1.8	2.8	1.0	1.8	2.0	2.2	3.5	1.9	2.1	1.9	
13	HH - 1178	2.5	1.6	2.8	1.0	2.0	2.3	2.5	3.0	2.3	2.1	2.2	
14	HH - 1236	2.6	2.0	3.3	2.0	2.5	2.2	2.2	2.7	2.3	2.0	1.8	
15	HH 05-1	2.3	2.3	3.0	1.0	2.1	2.2	2.0	3.0	1.5	3.0	2.2	
16	HH 05-2	2.6	2.3	3.0	1.8	2.4	2.5	2.3	3.0	2.3	3.0	2.5	
17	BHECH - 2004200	2.7	2.1	2.8	1.0	2.4	2.5	2.2	3.2	2.1	2.6	2.1	
18	BHECH - 131	2.5	1.9	3.0	1.0	2.1	2.0	2.2	3.2	1.6	3.0	2.0	
19	BHECH - 132	2.5	1.9	3.0	1.0	2.1	2.0	2.3	2.2	1.6	3.0	2.0	
20	BHECH - 28	2.6	2.1	2.5	2.0	2.3	2.3	2.0	2.8	1.9	2.3	2.4	
21	BHECH - 29	2.6	2.0	3.5	1.0	2.3	2.2	2.2	3.2	1.8	2.0	2.3	
22	30 R 77	2.3	1.9	2.3	1.0	1.9	2.1	2.0	3.2	1.8	3.0	2.2	
23	POLO	2.5	2.0	2.3	1.0	1.9	2.2	2.3	3.2	2.4	2.1	2.5	
24	XHS - 4010	2.5	1.9	3.0	1.0	2.1	2.2	2.3	2.8	2.4	2.5	2.6	
25	PHS - 54	2.5	1.8	3.8	1.0	2.2	2.2	2.2	2.3	2.4	2.8	2.2	
26	PHS - 1111	2.6	2.1	3.5	1.0	2.3	2.3	2.2	2.3	2.1	3.0	2.6	
27	PHS - 365	2.5	1.9	3.0	1.5	2.2	2.2	2.2	3.2	2.5	2.3	2.6	
28	PHS - 367	2.5	1.9	3.0	1.8	2.3	2.2	2.0	3.3	2.3	2.0	2.2	
CHECKS:													
29	SEETEC - 2324	2.4	2.1	3.3	1.0	2.2	2.1	2.3	3.3	2.1	3.0	2.4	
30	BIO - 9681	2.5	1.8	2.3	1.8	2.1	2.2	2.0	3.2	2.4	3.0	2.6	
31	PRO - 311	2.6	2.0	2.3	1.8	2.1	2.0	2.0	2.8	2.0	2.0	2.1	
32	PARBHAT	2.6	2.1	3.3	1.3	2.3	2.4	2.5	2.8	2.4	2.9	2.8	
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob)													
		0.00	16.5	21.5	20.8	0.5	-	11.5	0.5	13.9	1.0	19.9	
		.020	.083	.000	.000	-	-	.325	.000	.000	.102	.000	

TABLE NO. 1 (CONT.)

SL NO	PEDIGREE	UNIFORMITY *										OV'L MEAN	
		KARI	ARBH	BANG SYNG	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI		ZN 5 MEAN
1	J H - 10704	2.8	2.0	2.0	2.0	2.0	2.2	1.9	1.3	3.0	1.0	1.8	2.0
2	J H - 10983	1.5	2.5	5.0	2.0	3.0	2.8	2.6	2.0	3.5	2.3	2.6	2.6
3	J H - 11024	1.5	2.0	1.3	2.0	2.0	1.8	2.5	1.8	3.5	1.0	2.2	2.1
4	J J H - 11031	1.5	2.0	4.0	2.0	2.0	2.3	2.5	1.6	2.3	1.3	1.9	2.1
5	J J H - 11044	2.0	2.0	2.0	2.0	2.0	2.1	1.5	1.9	3.5	1.3	2.0	2.1
6	J J H - 11058	1.3	2.0	4.0	2.0	3.0	2.3	2.4	1.8	3.3	1.0	2.1	2.3
7	J J H - 11068	1.3	2.0	3.0	2.0	3.0	2.6	2.6	2.1	2.8	1.0	2.1	2.4
8	J E H - 434041	3.0	2.0	3.7	3.0	2.0	2.7	2.6	2.0	3.0	1.0	2.2	2.5
9	J E H - 434042	2.3	2.0	4.0	2.3	3.0	2.7	2.6	2.0	2.5	1.0	2.0	2.4
10	N A H - 1144	2.8	2.0	4.0	2.3	3.0	2.7	2.7	1.9	2.5	1.0	2.0	2.7
11	N A H - 1137	2.0	2.5	4.0	2.3	3.0	2.9	2.7	2.1	2.5	1.8	2.3	2.2
12	N A H - 2049	2.0	2.0	3.0	2.3	3.0	2.5	2.0	1.9	3.5	1.0	2.1	2.3
13	H K H - 1178	1.3	2.0	3.0	2.7	3.0	2.4	2.7	1.6	2.8	1.0	2.0	2.3
14	H K H - 1236	1.3	2.0	3.0	2.0	2.0	2.0	2.6	1.9	3.0	1.0	2.2	2.1
15	M H H 05-1	2.3	2.0	4.0	2.7	2.0	2.5	2.5	1.2	3.3	1.0	2.2	2.3
16	M H H 05-2	3.3	2.3	5.0	2.7	3.3	3.0	2.7	1.2	2.5	1.3	2.2	2.7
17	B H H - 2004200	2.8	2.0	5.0	2.3	3.0	3.0	2.8	2.0	2.5	1.8	2.3	2.6
18	N E H - C H - 131	1.0	2.3	1.7	2.0	2.0	1.8	2.6	2.0	3.0	1.0	2.0	2.0
19	N E H - C H - 132	1.3	2.0	1.0	2.0	3.0	1.9	2.6	1.9	3.0	1.0	2.1	2.3
20	M C H - 28	1.5	2.0	3.0	2.0	3.0	2.4	2.7	1.2	3.5	1.0	2.2	2.3
21	M C H - 29	2.3	2.0	4.0	2.3	2.0	2.6	2.6	2.1	2.8	1.0	2.1	2.4
22	30 R 77	2.8	2.0	4.0	2.7	2.0	2.7	2.6	2.0	2.8	1.0	2.1	2.5
23	P O L O	2.3	2.0	3.0	2.3	3.0	2.5	2.6	2.0	2.8	1.0	2.1	2.4
24	X - 4010	2.8	2.0	3.0	2.7	3.0	2.8	2.4	2.0	3.5	1.3	2.3	2.4
25	P H S - 54	2.8	2.5	3.0	2.7	3.0	2.8	2.5	2.0	3.5	1.3	2.3	2.4
26	R I L - 1111	1.5	2.0	4.0	2.3	3.0	2.6	2.4	2.0	3.5	1.0	2.3	2.5
27	P R O - 365	2.0	2.0	4.0	2.3	3.0	2.6	2.5	2.0	3.3	1.0	2.3	2.4
28	P R O - 367	1.8	2.0	3.0	2.0	3.0	2.3	2.6	1.9	3.3	1.0	2.1	2.4
CHECKS:													
29	SEEDTEC - 2324	2.8	2.0	3.0	2.7	2.0	2.5	2.5	2.0	3.5	1.3	2.3	2.5
30	BIO - 9681	2.3	2.3	3.0	2.7	3.0	2.6	2.5	1.8	2.5	1.5	2.1	2.5
31	PRO - 311	2.3	2.0	4.0	2.0	3.0	3.2	2.5	2.3	2.5	1.5	2.1	2.8
32	PARBHAT	2.8	2.0	5.0	3.0	3.0	2.5	2.7	2.1	3.0	1.5	2.4	2.3
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob)													
33.4 .000													
18.3 .036													
13.1 .000													
20.7 .009													
0.9 15.3													
0.3 0.4													
1.2 0.4													
1.5 0.4													
1.0 0.4													
1.5 0.4													
1.3 0.4													

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (cm)						ZN 1 MEAN	LUJH	KARN	KARN · KANP	ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
		BAJA	BARA	ZN 1	BAJA	BARA	ZN 1											
1	J H - 10704	197	192	194	208	227	166	200	150	248	168	134	165	173				
2	J H - 10983	201	184	192	185	215	184	195	154	200	154	128	133	154				
3	J H - 11024	211	181	196	195	228	166	197	156	235	157	133	158	168				
4	J H - 11031	218	176	197	184	218	172	191	146	190	148	131	147	153				
5	J H - 11044	210	185	197	209	215	189	204	165	220	176	139	154	171				
6	J H - 11058	202	175	188	208	228	155	197	152	225	166	128	172	169				
7	J H - 11068	202	201	202	174	218	173	188	132	198	150	111	141	146				
8	J H - 11041	166	190	178	164	180	177	174	129	195	139	101	141	141				
9	J H - 11042	198	197	197	180	207	179	188	154	223	139	127	148	158				
10	N A H - 1144	197	186	191	188	213	171	191	154	210	150	113	154	156				
11	N A H - 1137	230	177	204	195	210	188	191	141	218	166	113	144	156				
12	N A H - 2049	208	179	194	186	212	176	191	143	218	163	129	150	160				
13	H A H - 1178	188	184	186	188	210	181	193	131	223	158	127	140	156				
14	H K H - 1236	212	185	199	188	208	172	189	150	228	145	131	148	160				
15	M H 05-1	227	189	208	190	213	171	192	151	210	151	131	164	161				
16	M H 05-2	180	188	184	185	198	155	179	134	220	150	133	156	158				
17	B H - 2004200	200	190	195	193	217	181	197	156	230	149	123	149	156				
18	N E C H - 131	183	197	190	175	215	167	186	142	203	157	130	148	161				
19	N E C H - 132	199	175	187	189	218	166	191	156	200	163	133	143	159				
20	M C H - 28	205	195	200	190	217	176	194	157	228	174	124	154	167				
21	M C H - 29	211	183	197	194	223	172	196	156	208	168	132	155	164				
22	30 R 77	200	189	194	189	218	174	194	123	198	153	107	142	144				
23	P O L O	179	188	183	178	208	176	187	113	188	141	103	143	138				
24	X - 4010	195	186	191	184	202	186	190	114	208	144	108	144	143				
25	P H S - 54	205	178	191	200	203	169	191	169	240	174	142	175	180				
26	R J L - 1111	195	181	188	191	208	172	190	133	205	146	107	133	145				
27	P R O - 365	195	193	194	189	210	170	190	135	200	148	119	152	151				
28	P R O - 367	217	176	196	206	218	179	201	156	235	171	138	156	171				
CHECKS:																		
29	SEEDTEC - 2324	215	185	200	183	213	178	191	136	203	133	114	144	146				
30	BIO - 9681	210	192	201	199	217	170	195	156	233	166	132	155	168				
31	PRO - 311	198	192	195	185	208	181	191	146	190	152	132	152	154				
32	PARBHAT	199	180	190	204	212	171	196	143	235	183	132	157	170				
MEAN LOCATION																		
C.D. AT 5% =																		
C.V. % =																		
F (Prob) =																		

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (cm)			BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE PHSA	KARI	SYNG										
1	J H - 10704	170	212	249	303	197	192	220	230	196	155	180	190	197
2	J H - 10983	158	208	198	270	179	184	199	190	194	156	158	174	182
3	J H - 11024	153	204	258	283	182	213	216	200	194	144	165	176	191
4	J H - 11031	157	206	277	280	181	213	219	197	194	144	170	176	187
5	J H - 11044	152	203	286	302	202	248	232	213	206	150	181	188	200
6	J H - 11058	168	211	260	305	191	239	229	217	206	174	168	191	197
7	J H - 11068	141	174	207	257	161	185	187	180	190	136	166	168	175
8	J H - 434041	138	171	210	248	170	184	187	190	175	168	149	170	169
9	J H - 434042	146	202	204	270	160	189	195	178	169	170	151	167	179
10	N A H - 1144	157	190	200	267	174	202	198	202	189	145	160	174	181
11	N A H - 1137	149	213	256	285	187	202	215	183	180	165	174	176	189
12	N A H - 2049	174	218	257	291	176	207	224	215	199	173	173	190	193
13	N A H - 1178	167	206	266	297	192	191	217	197	185	141	168	173	186
14	H K H - 1236	170	199	260	292	192	197	218	175	185	173	154	172	188
15	M H 05-1	175	215	262	302	192	201	224	220	195	134	169	179	193
16	M H 05-2	160	206	226	271	175	200	206	183	186	140	151	165	180
17	B H C H - 2004200	177	179	239	283	183	194	209	197	205	146	156	176	186
18	N E C H - 131	171	200	229	296	186	195	213	217	198	174	168	189	189
19	N E C H - 132	174	207	259	292	183	190	217	170	194	170	169	176	187
20	N E C H - 28	179	218	265	298	185	207	225	200	198	180	181	190	196
21	M C H - 29	164	211	246	287	186	212	218	203	181	136	169	172	190
22	30 R 77	159	191	219	265	176	202	202	203	195	149	174	180	181
23	P O L O	158	196	202	270	168	195	198	187	175	174	164	175	175
24	X - 4010	159	202	214	264	172	194	201	210	189	139	149	172	178
25	P H S - 54	191	219	254	318	197	217	233	223	201	179	183	196	202
26	P H L - 1111	170	207	269	274	175	208	217	200	189	140	185	178	184
27	P R O - 365	174	206	260	281	189	216	221	197	184	141	168	172	186
28	P R O - 367	173	215	241	288	185	215	220	233	200	173	191	199	198
CHECKS:														
29	SEEDTEC - 2324	152	200	235	285	180	185	206	193	189	141	168	173	181
30	BIO - 9681	156	182	241	288	187	183	206	180	196	145	165	172	187
31	PRO - 311	184	206	219	273	181	163	198	197	173	179	155	176	181
32	PARBHAT	163	202	242	292	185	209	220	210	205	169	171	189	194
MEAN LOCATION														
C.D. AT 5% = 17.3 15.7 10.2 15.2 21.3 11.9 11.2 22.3 12.6 22.4 17.1														
C.V. % = 6.5 5.5 2.6 3.8 7.2 4.2 3.4 8.3 5.8 9.5														
F (Prob) = .000 .000 .000 .000 .036 .000 .000 .056 .000 .000 .000 .000 .000 .000														

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)				LUDH	KARN	KAMP	ZN 2 MEAN	GORA BELI	VARA	DHOL	RANC	JASH	ZN 3 MEAN
		BAJA	BARA	ZN 1 MEAN	ZN 1										
1	J H - 10704	99	67	83	113	138	67	106	58	118	94	54	78	80	
2	J H - 10983	112	65	88	106	123	94	108	73	93	82	57	61	73	
3	J H - 11024	107	65	86	96	123	79	100	73	115	75	45	65	74	
4	J H - 11031	99	82	90	90	117	73	93	68	78	68	51	63	65	
5	J H - 11044	113	76	94	108	137	91	112	68	108	84	58	64	76	
6	J H - 11058	120	65	92	124	127	68	106	78	125	91	65	76	87	
7	J E H - 11068	113	80	97	86	120	66	91	62	90	78	42	60	66	
8	E H - 434041	101	72	86	94	103	64	87	59	98	76	50	67	70	
9	E H - 434042	102	66	84	96	107	75	93	73	98	64	52	67	71	
10	N A H - 1144	110	61	85	95	113	84	97	67	98	71	48	63	69	
11	N A H - 1137	111	74	93	89	108	79	92	68	105	79	49	51	70	
12	N A H - 2049	100	77	88	90	120	76	95	55	90	83	42	60	66	
13	H K H - 1178	89	72	81	88	105	79	91	50	83	68	50	56	61	
14	H K H - 1236	99	73	86	94	105	64	88	70	93	67	57	56	68	
15	M H 05-1	107	80	93	81	102	73	85	55	83	70	51	62	64	
16	M H 05-2	96	73	84	90	120	58	89	63	103	78	52	69	73	
17	B H - 2004200	112	75	93	93	118	86	99	72	85	69	47	77	70	
18	N E C H - 131	91	77	84	80	107	69	85	60	98	76	55	67	71	
19	N E C H - 132	98	79	89	94	120	62	92	68	80	80	44	59	67	
20	N E C H - 28	79	78	79	75	113	73	87	68	88	74	44	54	65	
21	M C H - 29	96	60	85	88	113	74	92	67	80	80	55	60	68	
22	30 R 77	102	69	85	103	113	76	97	58	78	79	49	65	66	
23	P O L O	98	72	85	86	128	61	92	50	88	76	44	62	64	
24	X - 4010	103	70	87	90	117	66	91	54	98	74	39	63	65	
25	P H S - 54	90	64	77	109	117	72	99	75	123	95	67	77	87	
26	R I L - 1111	110	68	89	88	117	73	93	61	90	72	52	56	66	
27	P R O - 365	97	71	84	100	120	74	98	63	95	76	51	68	71	
28	P R O - 367	98	76	87	94	108	71	91	73	83	78	51	56	68	
CHECKS:															
29	SEEDTEC - 2324	122	74	98	99	113	70	94	61	88	68	50	68	67	
30	BIO - 9681	96	75	86	84	115	70	90	75	93	67	55	64	71	
31	PRO - 311	105	68	87	100	117	77	98	70	90	83	59	72	75	
32	PARBHAT	99	74	86	101	120	62	94	55	110	96	49	72	76	
MEAN LOCATION															
C.D. AT 5% =		22.0	15.4	18.7	15.4	7.4	10.3	11.0	15.5	11.7	12.2	13.6	5.8	11.8	
C.V. % =		13.2	15.3	-	11.6	3.9	8.7	-	17.1	8.8	11.2	19.0	6.4	-	
F (Prob)		.146	.380	-	.000	.000	.000	-	.006	.000	.000	.039	.000	-	

TABLE NO. 1 (CONT.)

S1 NO	PEDIGREE	EAR HEIGHT (cm)				BANG SYNG	BANG PROA	MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		PHSA	KARI	BANG SYNG	HYDE											
1	J H - 10704	91	107	97	118	91	98	100	113	93	54	98	89	92		
2	J H - 10983	81	87	87	111	84	105	92	93	98	64	90	86	88		
3	J H - 11024	75	100	107	99	77	97	92	97	85	44	80	76	85		
4	J H - 11031	79	91	105	102	82	108	94	97	83	50	81	78	83		
5	J H - 11044	87	104	136	124	97	131	113	110	103	49	90	88	97		
6	J H - 11058	95	108	127	140	96	129	116	103	108	84	100	99	101		
7	J H - 11068	78	83	105	108	79	89	90	87	84	41	86	74	82		
8	J H - 434041	71	78	105	116	79	96	91	103	80	59	96	85	83		
9	E H - 434042	82	80	105	107	64	93	88	78	75	64	73	72	81		
10	N A H - 1144	81	76	88	102	75	92	86	87	86	43	73	72	80		
11	N A H - 1137	77	87	121	106	87	95	96	83	73	65	93	78	85		
12	N A H - 2049	86	103	131	109	77	100	101	105	88	70	90	88	88		
13	H K H - 1178	85	95	128	107	75	89	96	95	71	48	68	70	80		
14	H K H - 1236	81	87	122	100	85	92	94	90	83	66	68	77	82		
15	M H 05-1	91	101	112	109	79	92	97	107	65	51	76	75	82		
16	M H 05-2	78	100	92	111	80	93	92	97	74	45	78	73	82		
17	B H - 2004200	100	92	105	116	68	90	95	83	89	50	75	74	85		
18	N E C H - 131	91	99	84	114	74	97	93	103	86	70	90	87	84		
19	N E C H - 132	87	102	108	101	78	89	94	87	86	63	79	79	83		
20	M C H - 28	75	97	126	99	74	92	94	87	91	56	71	76	81		
21	M C H - 29	75	98	119	103	77	97	95	88	76	58	78	75	82		
22	30 R 77	80	86	94	95	77	96	88	97	89	54	83	80	82		
23	P O L O	90	96	88	109	71	98	92	93	70	68	91	81	82		
24	X - 4010	91	93	91	98	81	99	92	100	84	43	73	75	81		
25	P H S - 54	99	105	113	114	89	106	104	100	93	71	86	88	93		
26	R I L - 1111	84	101	131	105	87	107	102	107	91	50	91	85	87		
27	P R O - 365	90	99	125	113	85	108	103	95	95	56	89	84	88		
28	P R O - 367	76	94	109	85	75	95	89	88	78	66	74	76	81		
CHECKS:																
29	SEEDTEC - 2324	91	96	114	117	74	95	98	103	80	43	90	79	86		
30	BIO - 9681	69	85	125	100	75	89	90	83	81	49	64	69	81		
31	PRO - 311	91	98	117	117	76	91	98	90	80	69	89	82	88		
32	PARBHAT	98	112	108	121	80	105	104	107	86	63	89	86	90		
MEAN LOCATION		85	95	110	108	80	98	96	96	84	57	83	80	85		
C.D. AT 5% =		15.6	12.5	5.6	11.5	19.8	8.3	12.2	9.0	12.4	12.4	14.7	12.9	-		
C.V. % =		11.3	9.4	3.1	7.6	15.3	6.0	-	5.8	13.0	15.5	12.7	-	-		
F (Prob)		.004	.000	.000	.000	.381	.000	-	.000	.000	.000	.000	-	-		

TABLE NO. 1 (CONT.)

Sl NO	PEDIGREE	EAR NO / PLANT				H. turcicum *				H. may *	
		UDAI	BANS	GODH	CHHI	OV'L MEAN	BAJA	SYNG	OV'L MEAN	BAJA	BAJA
1	J H - 10704	0.92	1.02	0.86	1.02	0.98	1.5	3.0	2.3	1.5	
2	J H - 10983	0.92	1.15	1.10	1.03	1.00	2.5	5.0	3.8	1.5	
3	J H - 11024	0.93	1.03	0.96	0.90	0.97	2.0	3.0	3.5	1.7	
4	J H - 11031	0.80	1.05	0.90	0.94	0.97	1.7	2.0	1.8	1.8	
5	J H - 11044	0.92	1.12	0.87	0.92	0.98	2.2	3.0	2.6	1.8	
6	J H - 11058	0.93	0.86	0.84	0.93	0.96	2.0	3.0	2.5	1.7	
7	J H - 11068	0.91	0.88	1.00	0.95	0.97	1.7	4.0	2.8	1.5	
8	E H - 434041	0.98	0.95	1.00	0.99	0.98	3.0	3.7	3.3	1.7	
9	E H - 1144	0.97	1.03	0.94	1.02	0.99	2.2	2.0	2.1	1.5	
10	N A H - 1137	0.86	0.98	0.91	0.99	0.98	2.0	3.0	2.15	1.5	
11	N A H - 1137	0.95	0.99	0.77	0.96	0.96	2.0	2.0	2.0	1.5	
12	N A H - 2049	0.94	0.96	0.80	0.89	0.97	1.8	2.0	1.9	1.5	
13	H K H - 1178	0.92	0.93	0.71	0.95	0.96	1.5	2.0	1.8	1.7	
14	H K H - 1236	0.90	0.99	0.80	0.95	0.97	1.5	2.0	1.8	1.5	
15	M H 05-1	0.92	0.94	0.85	1.01	0.97	1.8	2.0	1.9	1.5	
16	M H 05-2	0.93	0.91	0.88	0.93	0.97	1.7	4.0	2.8	1.5	
17	B H - 2004200	0.94	0.96	0.89	0.94	0.97	2.8	3.7	3.3	1.8	
18	N E C H - 131	0.93	1.04	0.92	0.90	0.97	1.8	2.0	1.9	1.7	
19	N E C H - 132	0.95	0.97	0.97	0.99	0.98	1.8	1.3	1.6	1.5	
20	M C H - 28	0.79	0.94	0.90	0.92	0.96	1.5	3.0	2.3	1.7	
21	M C H - 29	0.95	0.97	0.77	0.98	0.96	1.3	2.0	1.7	1.5	
22	30 R 77	0.97	0.95	0.76	0.98	0.97	2.7	4.0	3.3	1.7	
23	P O L O	0.94	1.04	0.90	0.98	0.97	1.8	4.0	3.1	1.5	
24	X - 4010	0.94	1.06	0.86	1.01	0.98	2.2	4.0	3.1	1.7	
25	P H S - 54	0.89	1.00	0.94	1.01	0.98	1.8	4.0	2.9	1.7	
26	R I L - 1111	0.94	0.99	0.87	0.99	0.98	2.2	4.0	3.1	1.7	
27	P R O - 365	0.66	0.98	0.84	0.92	0.94	2.3	3.0	2.7	1.7	
28	P R O - 367	0.95	1.04	0.84	0.93	0.98	1.7	3.0	2.3	1.5	
CHECKS:											
29	SEEDTEC - 2324	0.88	0.92	1.02	0.98	0.98	1.7	5.0	3.3	1.5	
30	BIO - 9681	0.92	0.97	0.95	0.94	0.97	1.7	4.3	3.0	1.5	
31	PRO - 311	0.91	0.90	0.90	0.95	0.97	1.7	4.0	2.8	1.5	
32	PARBHAT	0.93	1.03	0.82	0.93	0.97	2.0	4.0	3.0	1.7	
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											
0.003 .0002											
24.2 8.8											
1.9 3.1 2.5											
0.4 0.3											
11.5											
1.6											

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	STAND AT HARVEST										HYDE PHS
		BAJA	BARA	LUDH	KARN	KANP	GORA BELI	VARA	DHOL	RANC	JASH	
1	J H - 10704	30	29	37	24	34	34	37	36	39	32	40
2	J H - 10983	38	28	35	28	37	37	36	36	39	28	39
3	J H - 11024	28	29	38	30	38	38	37	37	38	31	39
4	J H - 11031	31	29	38	30	37	38	38	34	38	33	40
5	J H - 11044	36	28	39	28	35	40	39	40	40	31	40
6	J H - 11058	36	29	41	29	35	38	37	38	34	32	40
7	J H - 11068	28	28	36	26	33	32	37	35	34	30	40
8	E H - 434041	31	28	39	28	37	34	35	40	37	30	39
9	E H - 434042	37	29	35	27	36	38	39	38	39	30	39
10	N A H - 1144	30	28	39	28	35	36	40	38	38	32	39
11	N A H - 1137	29	28	35	26	36	34	37	36	40	31	38
12	N A H - 2049	33	27	34	28	33	38	38	41	40	32	39
13	N A H - 1178	29	27	37	29	34	27	38	33	43	33	39
14	H K H - 1236	33	28	39	30	37	37	36	36	42	32	38
15	M H 05-1	28	29	36	26	34	34	39	34	37	32	38
16	M H 05-2	30	25	37	27	33	33	39	36	40	31	39
17	B H - 2004200	28	28	36	28	32	32	34	33	39	31	39
18	N E C H - 131	33	28	38	28	38	38	41	37	42	30	40
19	N E C H - 132	30	28	35	34	37	37	40	36	39	29	40
20	M C H - 28	28	28	37	29	38	38	40	37	41	27	39
21	M C H - 29	36	31	38	30	35	35	41	37	40	32	42
22	30 R 77	33	26	39	30	37	38	38	40	38	33	40
23	P O L O	28	27	28	25	36	29	33	33	32	28	39
24	X - 4010	31	29	36	28	38	38	39	35	40	31	39
25	P H S - 54	35	28	33	30	36	36	34	38	42	31	39
26	P H S - 1111	30	26	39	28	35	32	37	38	38	31	41
27	P R O - 365	37	27	36	26	35	35	40	38	43	31	39
28	P R O - 367	32	29	37	31	35	35	37	38	43	30	41
CHECKS:												
29	SEEDTEC - 2324	28	26	36	27	37	37	41	35	41	31	40
30	BIO - 9681	32	28	35	31	38	38	36	37	41	29	40
31	PRO - 311	37	29	38	27	36	39	39	37	42	32	41
32	PARBHAT	31	29	37	28	37	34	36	38	41	27	39
MEAN LOCATION												
C.D. AT 5%		3.2	4.2	4.3	3.4	1.3	4.1	3.9	5.6	5.1	3.2	2.3
C.V. %		6.2	10.7	8.4	7.4	2.3	8.3	7.3	11.0	9.2	7.6	3.6
F (Prob)		.000	.925	.002	.001	.000	.000	.001	.505	.025	.010	.202

TABLE NO. 1 (CONT.)

SI NO	PEDIGREE	STAND	AT	HARVEST	BANG	BANG	PROA	MAND	COIM	UDAI	BANS	GODH	CHHI	OV/L MEAN
		KARI	ARBH	SYNG	SYNG	PROA								
1	J H - 10704	37	37	36	32	33	28	39	34	20	39	34	39	34
2	J H - 10983	40	33	30	33	37	26	41	33	21	33	34	38	34
3	J H - 11024	39	39	37	33	36	25	32	36	25	36	34	40	34
4	J H - 11031	37	38	38	33	38	27	33	32	29	32	35	40	35
5	J H - 11044	40	39	40	34	38	30	36	32	28	32	36	37	36
6	J H - 11058	37	37	40	33	33	29	27	32	28	32	40	40	35
7	J H - 11068	33	38	32	31	34	25	37	26	27	26	39	39	32
8	J H - 434041	42	34	38	31	34	26	29	33	21	34	34	40	34
9	J H - 434042	38	35	38	33	37	28	27	33	22	33	34	40	34
10	N A H - 1144	37	38	41	32	36	26	32	32	22	33	34	37	33
11	N A H - 1137	38	38	34	33	32	26	28	33	23	32	34	37	33
12	N A H - 2049	40	35	39	34	35	27	34	34	26	34	34	38	34
13	N A H - 1178	38	37	37	32	33	26	24	35	20	35	33	37	33
14	H K H - 1236	37	37	32	33	35	26	22	31	21	31	33	38	33
15	M H 05-1	37	34	38	33	40	26	28	40	22	32	34	40	34
16	M H 05-2	38	38	35	34	35	26	22	32	27	33	34	37	32
17	B H H - 2004200	38	35	32	33	35	24	32	33	27	30	32	37	32
18	N E C H - 131	42	33	40	33	34	30	24	32	29	32	35	40	35
19	N E C H - 132	37	41	35	34	38	27	37	35	25	37	35	40	35
20	M C H - 28	39	30	33	33	37	12	29	37	22	39	33	39	33
21	M C H - 29	39	40	39	33	35	30	30	37	26	30	35	40	35
22	30 R 77	41	38	37	33	34	30	37	34	31	28	36	37	36
23	P O L O	40	35	33	30	34	27	29	37	27	29	31	39	34
24	X - 4010	39	34	34	34	32	30	29	31	25	29	34	40	33
25	P H S - 54	36	34	34	33	37	27	29	34	22	31	33	40	33
26	R I L - 1111	35	37	33	32	29	25	28	34	25	34	33	40	33
27	P R O - 365	34	35	41	33	39	30	30	37	27	37	35	40	35
28	P R O - 367	37	42	38	33	35	30	31	31	31	37	35	40	35
CHECKS:														
29	SEEDTEC - 2324	35	38	40	33	36	26	30	33	23	33	34	39	34
30	BIO - 9681	39	38	34	33	32	22	28	33	30	33	34	37	34
31	PRO - 311	40	41	38	34	37	27	41	33	26	33	36	40	36
32	PARBHAT	39	36	32	33	38	24	30	30	23	30	38	38	33
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob)														
4.1 9.0 5.7 1.7 6.5 2.5 4.6 5.0														
7.6 15.0 9.7 3.7 11.3 6.7 9.0 10.8														
.003 .891 .003 .010 .421 .000 .000 .009														
.327														

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

TABLE NO. 2

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA KANGRA, LUDHIANA KARNAL, KANPUR BELIPAR GORAKHPUR VARANASI, JASHIPUR SEEDTEC HYDERABAD, KARIMNAGAR ADVANTA BANGALORE MONSANTO BANGALORE MANDYA COIMBATORE, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL NO. TR62 DURING KHARIF (2005)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										Zn					
		BAJA	R	KANG	R	KANG	R	LUDH	R	KARN	R	KANP	R	MEAN	R		
1	L 173	6305	16	3229	14	5561	21	4763	14	5731	21	7312	21	8537	4	6611	16
2	E 1491	7770	18	2893	12	7406	4	4829	12	8062	4	8426	4	7249	19	7556	18
3	E 1561	6817	15	3655	11	7409	8	5202	11	8428	8	7365	8	7820	6	7958	5
4	IR 301	6823	19	3557	9	5702	20	5189	9	5695	20	6385	20	7312	18	6223	23
5	IR 200	6613	11	3440	10	4786	17	4676	10	5523	17	6452	17	7829	13	6856	14
6	CH 227	5648	12	3359	15	6127	11	4714	15	5545	11	6852	11	7452	14	6432	19
7	A 480	5487	12	3459	11	6127	11	4600	11	5822	11	7853	11	7853	15	6749	10
8	A 200	5987	11	3401	18	6238	13	4504	18	5988	13	7128	13	7734	12	6556	17
9	B 05	4633	11	3294	13	6686	11	4824	13	5807	11	7987	11	7707	22	6571	15
10	M 05	6569	12	2561	12	5753	16	4189	12	6566	16	5506	16	7149	22	6641	12
11	V 36	9104	11	2742	3	8244	12	5965	3	5990	12	7755	12	9083	20	6873	3
12	W 44	8252	14	2890	19	7444	2	4523	19	7255	2	8051	2	6991	24	7995	2
13	J 736	6254	17	3852	9	8244	2	5217	9	6051	2	7755	2	7791	9	6833	3
14	M 30	7492	2	2890	2	7444	7	4244	2	6051	7	7755	7	8750	24	8557	2
15	X 94	8443	3	3748	1	8828	10	5209	1	7880	10	8250	10	1013	3	7944	3
16	S 210	9422	1	3238	1	7080	1	6330	1	8250	1	7880	1	7714	11	8547	1
17	CK 510	7264	8	3751	5	6479	14	5508	5	7601	14	8901	14	7344	17	7141	11
18	CK 96	6065	18	2754	22	8126	13	4410	22	7601	13	8901	13	7173	17	8074	11
19	W 44	4279	12	3813	24	5922	18	4049	24	6000	18	7000	18	7449	21	6460	18
20	W 30	6745	6	3235	22	6676	3	4990	22	7000	3	7000	3	7752	16	7143	18
21	W 30	1522	3	5522	1	1358	2	1037	1	268	2	268	2	379	2	668	2
22	W 30	1374	1	1038	1	1422	2	1037	1	268	2	268	2	379	2	668	2
23	W 30	4.80	1	3.60	1	5.60	1	1037	1	6.00	1	6.00	1	6.00	1	6.00	1
24	W 30	1.07	1	4.07	1	1.07	1	1.07	1	1.07	1	1.07	1	1.07	1	1.07	1

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DELH 37.6% : PANT 27.4% : DHOL 22.6%
 HYDE 25.8% : ARBH 24.5% : KOLH 24.4%
 LOCATIONS REJECTED DUE TO LOW YIELD (i.e. < 1000 kg/ha) : BARA 923 kg/ha

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha)				AT 15% MOISTURE			
		BELI	VARA	JASH	R	ZN 3	MEAN	R	R
1	L - 173	2977	3642	4378	19	3666	13	18	
2	E H - 1753	3870	4746	4856	8	4491	4	3	
3	E H - 1491	3835	5050	4125	3	4336	17	5	
4	E H - 1561	2676	4674	4530	11	3960	22	12	
5	ICW 0301 (ZM421)	3653	3388	3716	22	3586	14	20	
6	R - 2005 -4	4246	4441	4304	13	4330	22	6	
7	CHH - 227	4846	3856	4391	18	4364	12	4	
8	A H - 48007	2754	4064	4633	15	3817	18	16	
9	A H - 48012	2532	3597	3464	20	3198	24	24	
10	B H - 200488	2541	4829	4630	7	4000	9	11	
11	M H - 05-3	3264	3865	4723	17	3951	6	13	
12	M H - 05-4	2618	3871	4586	16	3692	10	17	
13	V - 36	2486	4442	4061	12	3663	19	19	
14	W J - 237	2670	3246	4208	24	3375	15	12	
15	K M H - 44	2890	5903	4001	2	4265	20	8	
16	J K M H - 462	2966	4739	4119	9	3941	18	14	
17	P A C - 736	2813	3336	3924	23	3358	21	22	
18	M C - 30	2733	6181	4876	18	4597	3	1	
19	X S - 9409	3149	4852	4673	16	4225	7	9	
20	S M H - 21034	2846	4973	5703	5	4507	1	2	
21	R I L - 5555	2884	5023	4905	13	4271	2	7	
22	K H - 510	3385	4248	4159	6	3931	16	15	
23	BIO- 9637	3140	4699	4834	9	4224	5	10	
24	NAVJOT	2811	3389	3581	16	3260	23	23	
	MEAN YIELD=	3108	4377	4391		3959			
	MEAN STAND	35	36	29		33			
	C.D. AT 5% =	470	812	290		524			
	C.V. % =	10.73	11.29	4.69		-			
	F. (Prob)	.000	.000	.000		-			
	PLOT SIZE=	6.00	7.50	6.00		-			
	AGRONOMY DATA:								
	SOWING DATE (2005)	30-06	12-07	8-07					
	HARVEST DATE (2005)	17-10	12-10	27-10					
	IRRIGATION NOS	2	1						
	FERTILIZER APPLIED	N 120	100	120					
		P 60	60	60					
		K 60	40	60					

TABLE NO. 2 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD (kg/ha)		AT 15% MOISTURE		BANG MONS	MAND	R	COIM	R	ZN 4 MEAN	R
		R	KARI	R	ADVA							
1	L 173	5600	8144	15	5530	4883	6325	8	4350	24	5805	19
2	L H - 1753	6477	8858	10	6384	6168	6419	5	6632	7	6823	10
3	E H - 1491	6642	8585	12	7123	5578	6332	7	4676	22	6489	13
4	E H - 1561	7860	9676	17	6903	6630	4287	24	6976	6	7055	19
5	ICW 0301 (ZM421)	5969	7280	18	5955	6111	5310	19	4894	21	5860	18
6	R - 2005 -4	6110	8203	23	5947	5611	5920	12	4909	11	5783	21
7	CHH - 227	6467	8500	13	6451	5959	6322	19	6008	11	6618	11
8	A H - 48007	6327	7254	19	5645	5573	5140	21	5242	16	5864	17
9	A H - 48012	5588	8905	2	5041	4691	5086	22	4454	23	5628	22
10	A H - 200488	6673	10908	21	5929	4591	5946	22	7504	2	7420	5
11	B H - 05-3	5656	6964	21	5577	5762	5602	16	5147	17	5785	20
12	M H - 05-4	6743	8735	11	6062	5870	5415	18	5396	13	6370	14
13	V - 36	5145	7049	20	4584	4611	5149	20	4895	20	5239	23
14	W - C - 237	6738	6840	22	5312	5624	6279	10	5301	14	6016	17
15	J K M H - 44	7170	7780	16	7817	7913	7119	1	5948	12	7291	16
16	J K M H - 462	7152	10490	4	8062	7553	6386	6	7408	4	7842	2
17	P A C H - 736	4750	7508	17	7386	5547	6533	3	5260	15	6164	15
18	M C H - 30	8141	10721	3	9442	8635	6138	11	7614	1	8448	11
19	X - 9409	7952	9964	6	7712	7828	5417	17	7495	3	7728	4
20	S M H - 21034	7496	11195	1	8082	7825	5733	13	6408	8	7790	3
21	R I L - 5555	7839	9266	4	7240	6593	6444	4	7033	5	7403	6
22	K H - 510	6832	8145	14	6621	6038	5605	15	6188	10	6572	12
23	BIO- 9637	6750	10410	5	6568	6694	5723	14	6199	9	7058	8
24	NAVJOT	5443	5990	24	4085	4393	4658	23	5147	18	4953	24
	MEAN YIELD=	6563	8557		6462	6194	5845		5878		6583	
	MEAN STAND	31	37		31	38	34		27		33	
	C.D. AT 5%=	1020	1241		964	704	1520		673		1020	
	C.V. %	9.46	10.29		10.58	8.06	15.83		8.12		-	
	F (Prob)	.000	.000		.000	.000	.009		.000		-	
	PLOT SIZE=	4.80	6.00		7.00	7.50	7.00		4.80		-	
	AGRONOMY DATA:											
	SOWING DATE (2005)	29-06	8-07		3-07	2-07	6-08		7-07		-	
	HARVEST DATE (2005)	25-10	25-10		11-11	-	6-12		24-10		-	
	IRRIGATION NOS	2	2		-	-	5		11		-	
	FERTILIZER APPLIED	N 120	180		120	-	150		135		-	
		P 50	60		60	-	75		63		-	
		K 25	30		60	-	40		50		-	

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						Zn		OV'L	
		UDAI	RANS	GODH	CHHI	R	MEAN	R	MEAN	R	
1	L - 173	3280	20	5310	12	2264	20	7104	21	5175	18
2	H - 1753	4983	6	6451	3	2790	16	8553	15	6086	11
3	H - 1491	6438	4	6834	2	2733	16	9240	12	6207	17
4	H - 1561	4830	7	7110	1	2785	15	9667	18	6177	9
5	ICW 0301 (ZM421)	4009	13	5097	17	2510	18	8637	14	5292	16
6	R - 2005 -4	2571	24	4759	22	2863	12	7572	18	5175	13
7	CHH - 227	4175	11	5261	14	2121	21	8903	17	5771	19
8	A H - 48007	3276	21	4807	20	1678	24	8316	13	5166	22
9	A H - 48012	4279	10	4787	21	2117	22	7318	20	5016	18
10	B H - 200488	4346	9	5912	10	3501	8	9785	7	6203	8
11	M H - 05-3	3415	18	5218	15	3357	10	7517	19	5335	15
12	M H - 05-4	4457	8	6057	16	2802	13	9336	10	5628	14
13	V - 36	3517	17	5168	16	2644	17	6736	22	4995	23
14	W K M H - 237	2838	14	4422	24	2307	19	8465	16	5104	21
15	J K M H - 44	3880	19	5959	7	3239	11	11178	3	6297	5
16	P K M H - 462	3285	15	5279	13	3710	9	10891	4	6580	20
17	J A C H - 736	3853	15	5044	18	3379	9	6588	23	5162	1
18	M C H - 30	6580	3	5877	11	4578	1	13151	1	7255	3
19	X M H - 9409	6779	2	6347	4	3953	2	11201	2	6704	2
20	S M H - 21034	4122	12	6094	5	3822	3	10588	5	6884	2
21	R I L - 5555	5457	5	5955	8	3639	6	10538	6	6584	4
22	K H - 510	6814	1	4731	23	3519	7	9351	9	6004	12
23	BIO- 9637	3592	16	5955	9	3794	4	9331	11	6152	10
24	NAVJOT	2697	23	4878	19	1723	23	5801	24	4560	24
	MEAN YIELD=	4311		5555		2993		8990		5462	
	MEAN STAND	35		30		26		38		32	
	C.D. AT 5% =	607		1107		765		1305		946	
	C.V. % =	8.58		14.14		18.14		10.30		854	
	F (Prob)	.000		.000		.000		.000		-	
	PLOT SIZE=	6.00		6.00		6.00		5.60		-	
	AGRONOMY DATA:										
	SOWING DATE (2005)	6-07		30-06		8-07		8-7		-	
	HARVEST DATE (2005)	9-10		5-10		8-10		21-10		-	
	IRRIGATION NOS	1		-		1		-		-	
	FERTILIZER APPLIED	100		80		100		120		-	
	N	60		60		50		60		-	
	P	-		-		-		40		-	
	K	-		-		-		-		-	

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE K H - 510									
		MAND	COIM	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	
1	L - 173	12.84	-	-	-	12.23	-	-	-	-	-
2	E H - 1753	14.51	7.18	3.82	-	36.34	-	-	-	1.37	
3	E H - 1401	12.97	-	-	-	44.43	-	-	3.40	3.37	
4	E H - 1501	-	12.75	7.36	-	50.27	-	3.39	-	2.88	
5	ICW 0301 (ZM421)	-	-	-	-	7.73	-	-	-	-	
6	R - 2005 -4	5.61	-	-	-	0.59	-	-	-	-	
7	CHH - 227	12.78	-	0.70	-	11.18	-	-	-	-	
8	A H - 48007	-	-	-	-	1.60	-	-	-	-	
9	A H - 48012	-	-	-	-	1.18	-	-	-	-	
10	B H - 200488	23.92	21.27	12.92	-	24.94	-	4.64	-	3.31	
11	M H 05-3	-	-	-	-	10.29	-	-	-	-	
12	M H 05-4	-	-	-	-	28.02	-	-	-	-	
13	V - 36	-	-	-	-	9.22	-	-	-	-	
14	W C - 237	12.02	-	-	-	-	-	-	-	-	
15	J K M H - 44	27.00	-	10.95	-	25.95	-	19.54	-	4.89	
16	J K M H - 462	13.93	19.73	19.33	-	11.58	5.45	16.47	-	9.59	
17	P A C - 736	16.55	-	-	-	6.61	-	-	-	-	
18	M C H - 30	9.49	23.05	28.56	-	24.20	30.11	40.64	23.64	20.83	
19	X - 9409	-	21.13	17.60	-	34.15	12.35	19.78	15.83	11.65	
20	S M H - 21034	2.27	3.57	18.54	-	28.79	8.62	13.24	0.86	14.66	
21	R I L - 5555	14.97	13.67	12.65	-	25.86	3.41	12.70	4.81	9.67	
CHECKS:											
22	K H - 510	-	-	-	-	-	-	-	-	-	
23	BIO- 9637	2.10	0.18	7.40	-	25.85	7.84	-	-	2.46	
24	NAVJOT	-	-	-	-	3.11	-	-	-	-	

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO- 9637									
		BAJA	KANG	ZN 1 MEAN	LUDH	KARN	KARNP	ZN 2 MEAN			
1	L - 173	3.96	16.93	8.01	-	-	19.01	-	-	-	-
2	E H - 1753	11.56	5.02	9.52	-	-	0.92	-	-	-	-
3	E H - 1491	28.12	2.36	20.07	-	-	9.14	-	-	-	-
4	E H - 1561	4.17	33.85	13.44	-	-	8.80	-	-	-	-
5	ICW 0301 (ZM421)	12.52	29.05	17.68	-	-	1.94	-	-	-	-
6	R - 2005 -4	-	19.32	5.91	-	-	5.69	-	-	-	-
7	CHH - 227	9.05	24.87	13.99	-	-	9.14	-	-	-	-
8	A H - 48007	-	21.95	2.18	-	-	3.89	-	-	-	-
9	A H - 48012	6.97	6.78	6.91	-	-	6.95	-	-	-	-
10	B H - 200488	-	26.37	4.34	-	-	9.48	-	-	-	-
11	M H 05-3	-	45.76	2.06	-	-	7.82	-	-	-	-
12	M H 05-4	5.04	19.01	9.40	-	-	-	-	-	-	-
13	V - 36	4.94	6.30	5.37	-	-	3.84	-	-	-	-
14	W C - 237	-	-	-	-	-	0.34	-	-	-	-
15	J K M H - 44	51.64	-	35.37	-	-	-	-	-	-	-
16	J K M H - 462	32.60	22.30	29.38	6.30	-	26.35	3.18	-	-	-
17	P A C - 736	2.45	3.53	2.79	-	-	-	-	-	-	-
18	M C H - 30	24.37	4.99	18.31	-	12.65	8.60	5.22	-	-	-
19	X - 9409	23.54	5.58	17.93	-	-	22.12	-	-	-	-
20	S M H - 21034	39.22	36.10	38.25	8.65	-	41.26	10.82	-	-	-
21	R I L - 5555	55.36	17.56	43.55	-	-	7.54	-	-	-	-
CHECKS:											
22	K H - 510	19.78	36.17	24.90	-	-	2.38	-	-	-	-
23	BIO- 9637	-	-	-	-	-	-	-	-	-	-
24	NAVJOT	-	38.62	-	-	-	3.84	-	-	-	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% POLLEN SHED										
		BAJA	KANG	BARA	ZN 1 MEAN	DELH	KARN	ZN 2 MEAN	CORA BELI	VARA	DHOL	ZN 3 MEAN
1	L - 173	61.7	55.7	59.0	58.8	49.7	48.0	48.8	55.0	45.0	52.3	50.8
2	E H - 1753	61.7	55.7	60.5	59.3	49.0	49.3	49.2	52.5	48.7	55.5	52.2
3	E H - 1491	64.0	57.7	60.8	60.8	49.3	50.7	50.0	57.8	45.7	54.5	52.6
4	E H - 1561	61.7	54.7	61.5	59.3	49.7	49.3	49.5	57.3	48.7	54.0	53.3
5	ICW 0301 (ZM421)	64.0	56.3	60.8	60.4	48.7	49.7	49.2	55.3	49.3	53.5	52.7
6	R - 2005 -4	62.7	52.7	61.3	58.9	51.3	48.7	50.0	57.0	47.7	53.8	52.8
7	CHH - 227	63.0	56.7	58.8	59.5	47.7	50.7	49.2	59.3	47.7	52.5	53.1
8	A H - 48007	58.0	54.3	59.5	57.3	48.0	49.3	48.7	55.5	48.3	50.5	51.4
9	A H - 48012	60.3	54.3	57.0	57.2	47.3	48.7	48.0	57.5	47.7	52.5	52.6
10	B H - 200488	63.7	57.7	61.0	60.8	50.7	51.3	51.0	58.5	48.7	56.5	54.6
11	M H 05-3	65.7	56.3	60.8	60.9	50.0	50.7	50.3	59.5	49.3	50.8	53.2
12	M H 05-4	60.3	56.7	59.0	58.7	48.3	50.3	49.3	57.3	49.0	50.5	52.3
13	V - 36	56.3	55.7	59.8	57.3	48.0	47.3	47.7	54.0	45.0	51.0	50.0
14	W C - 237	62.7	55.7	60.3	59.5	48.7	50.3	49.5	57.5	48.3	53.8	53.2
15	J K M H - 44	62.3	54.7	61.0	59.3	50.3	49.7	50.0	57.0	49.0	55.0	53.7
16	J K M H - 462	64.0	56.7	61.0	60.6	51.0	52.3	51.7	58.3	49.7	53.8	53.9
17	P A C - 736	63.0	56.7	60.0	59.9	50.0	51.3	50.7	57.5	48.7	52.5	52.9
18	M C H - 30	65.7	56.7	60.3	60.9	52.3	53.3	52.8	57.3	51.0	55.8	54.7
19	X - 9409	63.7	55.7	60.5	59.9	50.0	52.0	51.0	57.8	49.0	53.5	53.4
20	S M H - 21034	64.7	57.7	61.0	61.1	49.7	52.3	51.0	57.3	51.3	54.8	54.4
21	R I L - 5555	60.0	55.7	60.8	58.8	47.0	49.3	48.2	52.0	45.7	53.5	50.4
CHECKS:												
22	K H - 510	61.3	56.3	60.3	59.3	49.0	49.3	49.2	56.0	48.3	55.3	53.2
23	BIO- 9637	65.0	57.7	59.3	60.6	50.0	51.0	50.5	58.0	50.3	55.3	54.5
24	NAVJOT	62.7	56.7	57.3	58.9	50.0	48.3	49.2	57.0	46.7	52.5	52.1
MEAN LOCATION												
C.D. AT 5% =		1.6	0.8	3.6	2.0	2.8	0.8	1.8	1.0	2.1	3.4	2.2
C.V. % =		1.5	0.9	4.2	-	3.5	1.0	-	1.3	2.7	4.5	-
F (Prob)		.000	.000	.661	-	.056	.000	-	.000	.000	.013	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% POLLEN SHED										OV'L MEAN		
		HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN	BANS	GODH		CHHI	ZN 5 MEAN
1	L - 173	57.5	47.3	55.0	56.8	48.7	49.3	57.0	53.1	47.3	45.5	49.5	47.4	52.2
2	E H - 1753	57.0	49.5	59.3	56.5	53.0	48.8	55.7	54.2	46.0	46.8	52.3	48.3	53.2
3	E H - 1491	56.8	51.3	58.3	56.5	53.3	50.3	58.0	54.9	49.3	47.5	51.8	49.5	54.1
4	E H - 1561	56.5	51.8	59.0	58.3	52.7	49.8	55.7	54.8	48.0	47.0	52.3	49.1	53.8
5	ICW 0301 (ZM421)	56.0	49.0	57.3	57.0	50.3	50.0	60.0	54.2	49.3	45.0	51.3	48.5	53.5
6	R - 2005 -4	58.0	47.5	58.3	56.3	51.3	50.0	61.3	54.7	47.3	45.5	51.0	47.9	53.4
7	CHH - 227	57.0	49.0	57.7	56.8	52.0	49.3	61.3	54.7	50.8	47.0	51.5	49.8	53.8
8	A H - 48007	57.3	50.8	58.7	56.8	52.3	49.8	62.0	55.4	49.0	47.0	52.3	49.4	53.3
9	A H - 48012	57.8	45.5	55.0	54.5	49.3	49.3	61.0	53.2	47.5	46.3	48.5	47.4	52.2
10	B H - 200488	57.5	51.8	60.0	59.3	54.3	50.5	62.7	56.6	47.3	47.8	56.8	50.6	55.3
11	M H 05-3	58.5	51.5	58.7	56.5	53.7	49.8	63.0	55.9	48.5	46.8	54.0	49.8	54.7
12	M H 05-4	57.8	51.5	58.3	57.5	53.0	50.8	60.7	55.6	48.5	45.0	53.3	48.9	53.8
13	V - 36	58.0	47.5	56.0	56.8	51.3	49.8	58.7	54.0	46.0	46.0	49.3	47.1	52.0
14	W C - 237	57.3	51.8	58.7	56.8	52.3	48.8	62.0	55.4	54.3	46.0	52.3	50.8	54.3
15	J K M H - 44	57.0	49.8	57.3	56.5	51.7	49.5	62.7	54.9	50.3	46.0	52.0	49.4	54.0
16	J K M H - 462	57.3	50.0	60.0	58.5	53.0	49.3	62.7	55.8	47.8	46.5	53.3	49.2	54.7
17	P A C - 736	57.3	52.5	59.7	58.3	53.0	50.0	62.7	56.2	48.3	45.0	53.3	48.8	54.4
18	M C H - 30	57.8	53.8	61.3	56.3	54.7	51.3	62.3	56.8	47.5	46.8	56.8	50.3	55.6
19	X - 9409	58.3	51.5	58.3	56.8	52.0	50.3	62.3	55.6	54.8	45.3	53.3	51.1	54.7
20	S M H - 21034	56.5	54.3	60.3	57.5	54.0	50.8	62.7	56.6	51.0	48.8	54.5	51.4	55.5
21	R I L - 5555	56.3	50.3	59.0	57.0	52.3	49.3	63.0	55.3	47.0	47.5	50.8	48.4	53.1
CHECKS:														
22	K H - 510	57.3	49.3	58.0	56.5	52.7	48.3	62.0	54.8	46.5	47.5	52.8	48.9	53.7
23	BIO- 9637	57.0	51.8	60.3	58.3	53.7	49.0	63.0	56.1	51.0	46.0	54.3	50.4	55.0
24	NAVJOT	57.3	47.5	56.7	55.8	50.0	51.0	60.0	54.0	47.8	47.0	51.0	48.6	53.1
MEAN LOCATION														
C.D. AT 5% =		1.3	3.0	2.1	0.9	2.0	1.2	2.2	1.8	2.0	1.3	1.5	1.6	-
C.V. % =		1.6	4.2	2.2	1.1	2.3	1.8	2.2	-	2.8	1.9	2.0	-	-
F (Prob)		.025	.000	.000	.000	.000	.000	.000	-	.000	.000	.000	-	-

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING							ZN 1 MEAN	DELH	KARN	PANT	ZN 2 MEAN	GORA BELI	VARA	DHOL	ZN 3 MEAN
		BAJA	KANG	BARA	ZN 1												
1	L - 173	64.3	58.7	62.8	61.9	54.0	50.0	51.8	57.5	49.3	52.8	53.2					
2	EH - 1753	64.7	58.7	64.8	62.7	52.3	52.3	55.3	54.8	52.0	58.8	55.2					
3	EH - 1491	67.0	60.7	64.8	64.1	52.7	53.0	54.8	59.8	50.7	57.3	55.9					
4	EH - 1561	64.3	57.3	65.8	62.5	54.3	52.3	56.3	59.8	51.7	57.3	56.2					
5	ICW 0301 (ZM421)	67.0	59.3	64.5	63.6	52.7	52.7	51.8	57.5	53.0	56.8	55.8					
6	R - 2005 -4	65.0	56.0	64.8	61.9	54.0	51.7	52.5	59.3	51.7	56.8	55.9					
7	CHH - 227	65.3	59.3	62.5	62.4	50.3	53.3	54.3	58.8	52.0	56.0	55.6					
8	AH - 48007	61.0	57.3	62.8	60.4	52.0	52.3	52.5	57.5	52.7	54.3	54.8					
9	AH - 48012	63.0	57.3	62.5	60.9	50.7	50.7	52.0	59.5	52.0	55.8	55.8					
10	BH - 200488	66.3	60.7	64.5	63.8	54.3	53.7	55.8	60.5	52.3	60.3	57.7					
11	MH 05-3	68.7	59.0	64.5	64.1	54.3	53.3	56.5	61.8	52.0	53.3	55.7					
12	MH 05-4	63.7	59.7	62.8	62.0	51.0	52.3	53.5	59.5	52.0	53.5	55.0					
13	V - 36	59.7	58.7	63.3	60.5	52.0	49.3	51.5	56.0	49.3	53.8	53.0					
14	WC - 237	65.0	58.3	64.3	62.5	52.7	53.3	54.5	59.8	52.0	56.8	56.2					
15	JKMH - 44	65.3	57.3	65.0	62.6	54.7	52.3	53.5	59.0	53.0	58.5	56.8					
16	JKMH - 462	66.7	59.3	64.3	63.4	55.3	55.3	55.8	60.3	53.7	56.8	56.9					
17	PAC - 736	65.0	59.7	63.8	62.8	53.0	53.3	53.0	59.5	52.0	56.8	56.1					
18	MCH - 30	68.7	59.7	64.3	64.2	56.3	55.7	55.8	59.3	53.7	60.3	57.7					
19	X - 9409	66.3	59.0	64.0	63.1	53.3	55.0	53.3	59.8	53.3	55.8	56.3					
20	SMH - 21034	67.0	60.7	64.8	64.1	53.0	54.3	54.0	59.3	54.7	58.3	57.4					
21	RIL - 5555	62.3	58.3	64.5	61.7	50.7	52.3	52.3	54.0	51.0	57.0	54.0					
CHECKS:																	
22	KH - 510	64.0	59.3	64.3	62.5	52.7	52.3	54.5	58.3	52.0	58.8	56.3					
23	BIO- 9637	67.0	60.7	63.5	63.7	53.3	53.0	53.3	60.0	54.0	58.0	57.3					
24	NAVJOT	65.0	59.7	62.3	62.3	54.0	50.3	51.8	59.0	51.0	55.8	55.3					
MEAN LOCATION																	
C.D. AT 5% =		1.5	0.8	3.1	1.8	3.3	0.8	2.4	1.6	1.6	3.4	2.2					
C.V. % =		1.4	0.9	3.5	-	3.8	0.9	3.2	2.0	1.9	4.3	-					
F (Prob)		.000	.000	.798	-	.065	.000	.000	.000	.000	.000	-					

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% SILKING										ZN 4 MEAN	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	
		HYDE	KARI	ARBH	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN	BANS	GODH							CHHI
1	L - 173	59.8	50.3	57.0	58.0	50.7	53.3	58.0	55.3	51.3	50.5	50.8	54.8					
2	E H - 1753	59.5	53.3	60.7	57.8	54.3	52.8	57.0	56.5	49.0	51.3	51.0	55.9					
3	E H - 1491	59.0	54.0	60.0	57.5	55.0	53.8	59.0	56.9	53.0	52.0	52.5	56.6					
4	E H - 1561	58.5	54.5	60.7	59.8	54.0	53.0	57.0	56.8	52.0	52.0	52.1	56.5					
5	ICW 0301 (ZM421)	58.0	52.3	58.7	58.5	52.7	53.8	61.0	56.4	53.0	49.3	51.5	56.0					
6	R - 2005 -4	60.0	51.0	59.3	57.3	52.7	54.5	62.3	56.7	51.0	50.0	51.1	55.9					
7	CHH - 227	59.3	52.3	59.7	57.5	53.3	53.3	62.3	56.8	54.8	51.5	53.2	56.3					
8	A H - 48007	59.5	54.3	61.0	57.8	52.7	53.8	63.0	57.4	52.3	51.8	52.8	55.9					
9	A H - 48012	60.0	49.0	58.0	56.0	51.3	53.3	62.0	55.7	51.8	50.5	50.4	55.0					
10	B H - 200488	59.5	55.8	61.0	61.3	57.7	53.8	63.7	58.9	51.0	52.0	53.6	58.0					
11	M H 05-3	60.8	55.5	59.3	57.8	55.0	53.3	64.0	57.9	51.5	50.8	52.5	57.2					
12	M H 05-4	60.3	55.0	59.7	58.8	54.3	54.8	61.7	57.8	52.3	49.3	55.0	56.3					
13	V - 36	60.0	52.0	58.7	58.3	52.0	54.0	60.0	56.4	50.0	50.3	50.2	54.7					
14	W C - 237	59.5	54.5	60.0	58.0	55.3	52.5	63.0	57.5	58.5	50.5	54.3	57.0					
15	J K M H - 44	59.8	52.8	58.7	57.3	53.0	52.8	63.7	56.8	53.8	51.0	52.8	56.6					
16	J K M H - 462	59.8	54.0	61.3	59.8	54.0	52.5	63.7	57.9	51.3	50.8	52.1	57.3					
17	P A C - 736	59.8	56.0	59.0	59.5	55.3	53.5	63.7	58.1	52.8	48.8	52.1	56.8					
18	M C H - 30	59.8	57.3	62.3	57.5	57.7	54.8	63.3	58.9	51.0	52.3	53.6	58.3					
19	X - 9409	60.3	54.8	59.0	57.8	53.3	54.0	63.3	57.5	58.5	59.3	53.8	57.6					
20	S M H - 21034	58.8	57.3	60.3	58.8	55.3	54.8	63.7	58.4	54.5	54.8	56.3	57.9					
21	R I L - 5555	58.3	53.8	60.0	58.0	53.7	52.8	64.0	57.2	50.3	51.5	52.0	55.6					
CHECKS:																		
22	K H - 510	59.5	52.5	58.7	57.8	53.7	52.3	63.0	56.8	50.0	52.0	54.3	56.3					
23	BIO- 9637	59.3	55.3	61.3	59.5	55.0	52.5	64.0	58.1	54.3	50.5	56.5	57.4					
24	NAVJOT	59.5	50.0	58.7	57.3	52.3	55.0	61.0	56.3	51.5	50.5	52.3	55.6					
	MEAN LOCATION	59.5	53.6	59.7	58.2	53.9	53.5	62.0	57.2	52.5	51.4	53.6	56.5					
	C.D. AT 5% =	1.3	3.4	2.0	0.9	2.0	1.2	2.1	1.8	1.9	1.8	1.5	1.8					
	C.V. % =	1.6	4.4	2.1	1.1	2.3	1.5	2.1	-	2.5	2.5	2.0	-					
	F (Prob)	.024	.000	.001	.000	.000	.000	.000	-	.000	.000	.000	-					

TABLE NO. 2 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% DRY HUSK										ZN 3 MEAN
	BAJA	KANG	BARA	ZN 1 MEAN	ZN 2 KARN	GORA BELI	VARA	DHOL			
1 L - 173	99.0	98.7	109.3	102.3	86.3	85.5	78.3	82.5			82.1
2 E H - 1753	99.0	100.3	109.8	103.0	87.3	85.8	83.0	84.0			84.3
3 E H - 1491	102.0	98.7	110.3	103.6	90.3	85.3	80.7	82.8			82.9
4 E H - 1561	99.0	99.7	110.0	102.9	88.3	86.0	82.0	83.8			83.9
5 ICW 0301 (ZM421)	102.0	98.7	109.3	103.3	87.0	85.8	84.0	85.0			84.9
6 R - 2005 -4	99.7	99.7	111.3	103.5	88.0	84.8	81.7	84.3			83.6
7 CHH - 227	102.0	98.7	109.8	103.5	91.7	86.5	84.7	83.0			84.7
8 A H - 48007	99.3	98.7	109.3	102.4	88.3	85.0	83.7	83.8			84.1
9 A H - 48012	99.3	99.3	109.3	102.6	87.7	84.3	82.3	83.5			83.4
10 B H - 200488	101.3	99.0	109.5	103.3	91.7	85.0	82.7	86.5			84.7
11 M H 05-3	106.0	98.7	110.3	105.0	92.3	84.8	86.0	85.5			85.4
12 M H 05-4	99.0	98.7	110.5	102.7	87.3	84.0	82.3	84.8			83.7
13 V - 36	97.3	99.3	110.3	102.3	88.3	81.8	83.3	83.3			82.8
14 W C - 237	101.3	100.3	108.8	103.5	88.3	86.0	83.7	85.0			84.9
15 J K M H - 44	99.3	98.7	110.0	102.7	88.3	82.3	83.0	83.5			82.9
16 J K M H - 462	105.3	98.7	110.3	104.8	88.7	85.5	85.0	84.0			84.8
17 P A C - 736	106.3	98.7	110.0	105.0	87.3	86.0	82.0	84.0			84.0
18 M C H - 30	101.7	98.3	111.3	103.8	93.3	85.3	83.7	86.0			85.0
19 X - 9409	105.3	99.3	109.3	104.6	92.3	85.3	86.0	86.0			85.8
20 S M H - 21034	106.0	98.0	110.0	104.7	93.7	85.8	84.0	85.8			85.2
21 R I L - 5555	97.3	99.7	109.8	102.3	87.3	83.8	83.0	84.5			83.8
CHECKS:											
22 K H - 510	102.0	99.0	111.3	104.1	86.7	82.3	82.3	84.3			82.9
23 BIO- 9637	106.0	98.7	108.0	104.2	89.3	86.5	85.7	86.0			86.1
24 NAVJOT	99.0	98.3	108.8	102.0	88.3	84.5	81.3	83.0			82.9
MEAN LOCATION	101.4	99.0	109.8	103.4	89.1	84.9	83.1	84.4			84.1
C.D. AT 5% =	2.5	1.0	3.2	2.3	1.1	1.4	1.9	1.9			1.7
C.V. % =	1.5	0.6	2.1	-	0.8	1.2	1.4	1.6			-
F (Prob)	.000	.001	.970	-	.000	.000	.000	.000			-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% DRY HUSK					ZN 4		GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	KARI	BANG MONS	MAND	COIM	KOLH	MEAN				
1	L - 173	92.3	88.8	102.8	91.0	96.3	91.7	93.8	88.5	91.0	85.8	91.2
2	E H - 1753	90.3	89.0	103.5	92.7	95.8	87.0	93.0	88.3	93.0	85.7	91.5
3	E H - 1491	90.5	91.0	103.8	93.0	96.8	89.7	94.1	87.5	91.5	85.8	92.0
4	E H - 1561	91.5	91.3	104.3	92.0	96.0	87.3	93.7	83.5	95.5	85.3	91.7
5	ICW 0301 (ZM421)	91.3	88.0	103.3	93.0	96.8	93.3	94.3	84.8	91.0	84.8	92.0
6	R - 2005 -4	90.8	86.8	103.0	93.7	97.5	94.3	94.3	85.5	89.0	83.7	91.6
7	CHH - 227	91.0	88.8	103.8	92.7	96.3	94.7	94.5	83.8	95.0	86.3	92.6
8	A H - 48007	89.5	91.0	103.8	93.3	96.5	95.0	94.8	85.3	92.0	84.6	91.9
9	A H - 48012	90.8	87.5	102.8	92.7	96.3	94.0	94.0	83.8	87.0	82.8	91.1
10	B H - 200488	93.0	91.3	104.5	91.7	96.8	96.0	95.5	83.5	99.0	86.8	93.1
11	M H 05-3	92.8	91.8	103.0	92.3	96.3	96.7	95.5	85.3	97.5	87.1	93.6
12	M H 05-4	91.3	90.3	103.8	92.0	97.8	93.7	94.8	82.5	92.5	84.1	91.7
13	V - 36	91.3	87.5	102.8	93.3	97.0	92.3	94.0	83.5	89.5	83.1	91.1
14	W C - 237	91.8	90.3	103.8	93.3	95.5	95.0	94.9	83.5	91.5	85.3	92.4
15	J K M H - 44	89.8	89.5	104.0	94.0	95.8	95.7	94.8	83.5	92.5	84.6	91.7
16	J K M H - 462	91.0	90.0	104.8	94.0	95.5	95.7	95.2	83.3	95.5	85.8	92.9
17	P A C - 736	92.0	89.0	103.8	91.3	96.5	96.0	94.8	83.0	95.5	85.8	92.5
18	M C H - 30	91.3	92.8	105.0	93.3	97.8	96.0	96.0	83.3	95.5	85.3	93.2
19	X - 9409	91.5	91.0	104.3	92.7	97.0	96.0	95.4	83.5	98.0	87.4	93.6
20	S M H - 21034	90.5	93.3	104.5	94.0	97.8	95.7	95.9	84.5	96.5	86.9	93.7
21	R I L - 5555	90.0	90.5	103.8	93.0	95.8	95.0	94.7	82.5	90.5	83.2	91.4
CHECKS:												
22	K H - 510	90.8	89.3	103.3	92.0	95.3	95.0	94.3	83.3	94.0	84.7	91.7
23	BIO- 9637	90.3	92.3	104.3	94.3	95.5	96.0	95.4	82.8	96.5	86.3	93.2
24	NAVJOT	91.8	87.0	103.0	92.7	98.0	92.7	94.2	82.5	91.0	83.4	91.2
	MEAN LOCATION	91.1	89.9	103.7	92.8	96.5	93.9	94.7	84.2	93.4	85.2	92.2
	C.D. AT 5%	2.1	2.3	0.9	2.0	1.2	1.9	1.7	1.7	1.4	1.7	-
	C.V. %	1.6	1.9	0.6	1.3	0.8	1.2	-	1.4	1.1	-	-
	F (Prob)	.146	.000	.000	.110	.000	.000	-	.000	.000	-	-

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	MOISTURE % AT HARVEST										Zn 1			Zn 2			Zn 3		
		BAJA	KANG	BARA	MEAN	DEIH	PANT	MEAN	BELI	VARA	MEAN	DEIH	PANT	MEAN	BELI	VARA	MEAN			
1	L - 173	20.0	19.3	30.0	23.1	25.8	29.5	27.7	22.2	32.1	27.1	22.2	32.1	27.1	22.2	32.1	27.1			
2	E H - 1753	19.8	21.2	27.3	22.7	22.9	29.6	26.2	23.2	34.8	29.0	23.2	34.8	29.0	23.2	34.8	29.0			
3	E H - 1491	21.8	19.4	27.5	22.9	32.7	32.6	32.6	23.4	37.3	30.3	23.4	37.3	30.3	23.4	37.3	30.3			
4	E H - 1561	20.6	20.5	27.3	22.8	26.7	24.4	25.6	21.7	41.5	31.6	21.7	41.5	31.6	21.7	41.5	31.6			
5	ICW 0301 (ZM421)	19.5	20.7	29.3	23.1	24.2	31.1	27.6	23.1	33.8	28.5	23.1	33.8	28.5	23.1	33.8	28.5			
6	R - 2005 -4	22.0	20.1	29.8	23.9	26.1	30.7	28.4	21.9	30.0	26.0	21.9	30.0	26.0	21.9	30.0	26.0			
7	CHH - 227	21.1	20.4	29.8	23.8	26.2	30.2	28.2	23.0	37.7	30.3	23.0	37.7	30.3	23.0	37.7	30.3			
8	A H - 48007	21.5	21.1	28.0	23.6	27.5	29.2	28.3	22.0	37.0	29.5	22.0	37.0	29.5	22.0	37.0	29.5			
9	A H - 48012	19.4	18.0	26.0	21.1	26.8	24.7	25.7	23.0	32.5	27.7	23.0	32.5	27.7	23.0	32.5	27.7			
10	B H - 200488	20.2	21.4	29.5	23.7	29.9	29.7	29.8	22.4	37.3	29.8	22.4	37.3	29.8	22.4	37.3	29.8			
11	M H 05-3	21.2	20.3	28.8	23.4	32.0	33.1	32.5	22.3	37.6	29.9	22.3	37.6	29.9	22.3	37.6	29.9			
12	M H 05-4	21.5	20.6	29.3	23.8	29.0	28.5	28.7	22.7	32.3	27.5	22.7	32.3	27.5	22.7	32.3	27.5			
13	V - 36	21.6	21.0	28.0	23.5	24.3	29.6	27.0	22.6	30.0	26.3	22.6	30.0	26.3	22.6	30.0	26.3			
14	W C - 237	21.8	19.8	26.8	22.8	26.4	29.7	28.0	23.3	33.8	28.6	23.3	33.8	28.6	23.3	33.8	28.6			
15	J K M H - 44	21.9	20.4	28.3	23.5	30.2	31.5	30.8	22.8	32.5	27.7	22.8	32.5	27.7	22.8	32.5	27.7			
16	J K M H - 462	21.5	19.5	28.0	23.0	25.9	34.0	30.0	23.3	40.1	31.7	23.3	40.1	31.7	23.3	40.1	31.7			
17	P A C - 736	21.1	20.6	28.3	23.3	25.8	30.7	28.3	22.4	30.3	26.3	22.4	30.3	26.3	22.4	30.3	26.3			
18	M C H - 30	19.9	20.5	29.0	23.1	28.2	33.2	30.7	22.6	37.4	30.0	22.6	37.4	30.0	22.6	37.4	30.0			
19	X - 9409	22.2	19.5	27.8	23.1	27.5	30.6	29.0	23.2	37.7	30.4	23.2	37.7	30.4	23.2	37.7	30.4			
20	S M H - 21034	22.1	19.0	29.3	23.4	32.7	36.0	34.3	22.2	38.1	30.2	22.2	38.1	30.2	22.2	38.1	30.2			
21	R I L - 5555	20.5	20.4	27.0	22.6	25.1	25.2	25.2	23.3	34.2	28.7	23.3	34.2	28.7	23.3	34.2	28.7			
CHECKS:																				
22	K H - 510	21.0	22.1	28.5	23.9	25.1	31.4	28.3	23.9	36.5	30.2	23.9	36.5	30.2	23.9	36.5	30.2			
23	BIO- 9637	22.7	21.5	27.8	24.0	29.2	31.3	30.3	22.2	37.2	29.7	22.2	37.2	29.7	22.2	37.2	29.7			
24	NAVJOT	21.2	20.9	28.8	23.6	25.7	28.8	27.2	21.6	33.1	27.3	21.6	33.1	27.3	21.6	33.1	27.3			
	MEAN LOCATION	21.1	20.3	28.3	23.2	27.3	30.2	28.8	22.7	35.2	28.9	22.7	35.2	28.9	22.7	35.2	28.9			
	C.D. AT 5% =	1.3	1.9	2.6	1.9	3.4	3.7	3.6	1.0	0.7	0.8	1.0	0.7	0.8	1.0	0.7	0.8			
	C.V. % =	3.7	5.7	6.6	-	7.6	8.8	-	3.0	1.2	-	3.0	1.2	-	3.0	1.2	-			
	F (Prob)	.000	.034	.226	-	.000	.000	-	.000	.000	-	.000	.000	-	.000	.000	-			

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	MOISTURE % AT HARVEST										OV'L MEAN
		HYDE	ARBH	BANG MONS	MAND	KOLH	ZN 4 MEAN	BANS	GODH	CHHI	ZN 5 MEAN	
1	L - 173	22.4	15.6	20.3	15.9	14.8	17.8	17.5	14.3	18.8	16.9	21.2
2	E H - 1753	24.8	18.1	20.0	18.3	16.3	19.5	17.5	15.0	15.4	15.9	21.6
3	E H - 1491	24.0	17.0	19.9	17.5	15.3	18.7	17.8	15.1	20.7	17.8	22.8
4	E H - 1561	23.3	18.9	23.5	19.1	16.7	20.3	17.8	14.4	17.9	16.7	22.3
5	ICW 0301 (ZM421)	21.9	18.4	21.5	19.0	19.3	20.0	17.3	14.5	17.9	16.6	22.1
6	R - 2005 -4	21.6	17.2	21.1	19.3	15.2	18.9	16.9	14.5	16.9	16.1	21.5
7	CHH - 227	24.3	17.4	21.7	19.1	19.5	20.4	16.8	15.9	19.7	17.4	22.8
8	A H - 48007	23.5	17.2	20.7	18.3	14.3	18.8	16.8	12.8	13.5	14.3	21.6
9	A H - 48012	22.0	16.5	19.5	19.2	14.8	18.4	17.0	15.0	16.2	16.1	20.7
10	B H - 200488	24.5	17.3	21.8	19.4	15.6	19.7	17.4	14.6	19.5	17.2	22.7
11	M H 05-3	25.3	19.5	23.0	18.6	17.5	20.8	17.0	17.3	15.4	16.5	23.2
12	M H 05-4	22.0	19.0	21.9	19.0	14.9	19.4	17.3	15.8	19.0	17.4	22.2
13	V - 36	23.8	16.7	19.0	19.5	16.1	19.0	16.6	15.9	17.9	16.8	21.5
14	W C - 237	23.0	17.3	21.5	18.2	17.1	19.4	16.7	16.0	17.5	16.8	21.9
15	J K M H - 44	25.3	17.7	21.6	18.6	17.1	20.1	17.3	14.0	19.3	16.9	22.6
16	J K M H - 462	25.1	18.4	21.1	18.6	15.1	19.6	16.7	14.7	20.9	17.4	22.9
17	J K M H - 736	24.8	15.3	21.3	19.3	17.9	19.7	17.0	16.4	20.1	17.8	22.1
18	M C H - 30	24.6	21.0	23.8	19.1	16.5	21.0	17.6	15.4	17.9	16.9	23.1
19	X - 9409	24.0	19.5	23.6	18.7	17.6	20.7	17.2	16.5	20.2	18.0	23.0
20	S M H - 21034	24.5	21.8	23.0	18.7	16.8	20.9	17.9	13.3	21.0	17.4	23.7
21	R I L - 5555	21.4	17.5	21.3	19.1	17.4	19.3	17.4	14.4	19.8	17.2	21.6
CHECKS:												
22	K H - 510	24.0	16.4	21.8	18.9	14.8	19.2	17.3	15.5	14.1	15.6	22.1
23	BIO- 9637	22.7	19.0	21.2	17.3	19.2	19.9	16.9	15.4	19.3	17.2	22.8
24	NAVJOT	22.0	17.5	18.8	18.5	14.7	18.3	16.7	15.6	20.2	17.5	21.6
MEAN LOCATION												
C.D. AT 5% =		1.2	1.2	1.9	2.1	1.6	1.6	1.0	0.9	0.9	0.9	-
C.V. % =		3.5	4.0	6.5	7.0	5.8	-	4.0	4.4	3.4	-	-
F (Prob)		.000	.000	.000	.361	.000	-	.231	.000	.000	-	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	PLANT ASPECT *												ZIN 4 MEAN
		BAJA	BARA MEAN	ZIN 1	GORA BELI	DHOL MEAN	ZIN 3	HYDE	KARI	AREH	BANG MONS	MAND	KOLH	
1	L - 173	2.5	1.8	2.1	2.3	3.3	2.8	3.3	3.0	2.8	3.5	2.3	2.0	2.8
2	EH - 1753	2.3	1.5	1.9	1.8	2.9	2.3	3.3	3.0	2.8	3.0	3.0	1.5	2.8
3	EH - 1491	2.5	2.3	2.4	2.1	3.4	2.8	2.6	2.5	3.0	3.0	3.0	1.8	2.7
4	EH - 1561	2.2	1.8	2.0	2.8	3.3	3.0	3.1	1.8	2.2	2.5	2.0	1.5	2.2
5	ICW 0301 (ZM421)	2.8	1.3	2.0	2.1	3.0	2.6	3.0	3.3	2.7	3.0	2.7	1.7	2.7
6	R - 2005 -4	2.7	1.8	2.2	2.8	3.4	3.1	3.4	4.0	3.0	2.5	3.0	2.3	3.0
7	CHH - 227	2.8	2.0	2.4	1.6	3.0	2.3	2.6	2.8	2.8	2.8	2.7	2.2	2.6
8	AH - 48007	2.3	1.8	2.0	2.3	2.5	2.4	3.1	2.5	2.8	2.8	3.0	2.8	2.8
9	AH - 48012	2.5	1.5	2.0	2.3	2.8	2.5	3.0	3.0	2.9	3.3	2.7	2.5	2.9
10	BH - 200488	2.5	2.0	2.3	2.4	3.3	2.8	2.9	2.8	2.3	2.3	2.7	2.2	2.5
11	MH 05-3	2.5	1.3	1.9	2.6	2.4	2.5	2.8	2.3	2.0	3.0	3.0	2.0	2.5
12	MH 05-4	2.5	1.3	1.9	2.4	2.9	2.6	2.6	2.3	2.3	3.0	2.7	2.0	2.5
13	V - 36	2.5	2.0	2.3	2.1	3.1	2.6	2.8	2.8	2.8	3.5	2.7	2.2	2.8
14	WC - 237	2.3	1.5	1.9	2.3	3.0	2.6	2.9	3.3	2.9	2.8	2.7	2.3	2.8
15	JKMH - 44	2.2	1.5	1.8	2.5	3.1	2.8	2.9	1.5	2.5	2.3	2.7	1.5	2.2
16	JKMH - 462	2.3	1.5	1.9	2.4	2.8	2.6	2.6	2.5	2.8	2.5	3.0	2.2	2.6
17	PAC - 736	2.2	1.3	1.7	2.1	3.0	2.6	2.8	3.8	3.0	3.0	2.3	2.2	2.8
18	MCH - 30	2.7	1.5	2.1	2.6	2.5	2.6	2.5	1.8	2.0	2.0	2.3	2.0	2.1
19	X - 9409	2.3	1.5	1.9	2.4	2.6	2.5	2.6	2.0	2.3	2.0	2.7	2.2	2.3
20	SMH - 21034	2.5	1.0	1.8	2.6	2.4	2.5	2.6	2.5	2.6	2.0	2.7	2.2	2.4
21	RILL - 5555	2.0	1.0	1.5	2.0	2.8	2.4	2.8	2.8	2.8	2.8	3.0	2.2	2.6
CHECKS:														
22	KH - 510	2.2	1.5	1.8	2.3	3.3	2.8	3.0	3.3	2.5	3.0	2.3	2.0	2.7
23	BIO- 9637	2.3	1.3	1.8	2.6	2.9	2.8	2.8	2.3	2.5	2.5	2.7	2.2	2.5
24	NAVJOT	2.5	1.3	1.9	2.3	2.9	2.6	3.3	3.3	3.0	3.3	2.3	2.2	2.9
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														
		10.9	36.6	-	11.9	14.6	-	14.7	21.4	9.3	14.5	17.1	12.8	-
		.037	.176	-	.000	.016	-	.142	.000	.000	.000	.368	.000	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				ZN 3 MEAN	
		BANS	GODH	CHHI	OV'L MEAN	BAJA	BARA	ZN 1 MEAN	GORA BELI		DHOL
1	L - 173	2.0	2.8	1.8	2.2	2.5	1.5	2.0	3.0	3.0	3.0
2	EH - 1753	2.0	2.8	1.3	2.0	2.4	1.8	2.0	1.9	2.9	2.4
3	EH - 1491	2.0	2.8	1.8	2.2	2.5	1.5	1.8	2.1	3.9	3.0
4	EH - 1561	2.0	3.3	1.5	2.3	2.3	1.3	1.7	2.8	2.9	2.8
5	ICW 0301 (ZM421)	1.9	3.0	1.3	2.0	2.4	1.3	1.8	2.1	3.6	2.9
6	R - 2005 -4	2.0	3.3	1.8	2.3	2.7	1.3	1.9	2.4	3.3	2.8
7	CHH - 227	2.0	2.5	1.5	2.0	2.4	1.5	1.8	2.0	2.5	2.3
8	AH - 48007	2.0	3.0	1.5	2.2	2.5	1.8	2.0	2.8	2.3	2.5
9	AH - 48012	2.1	3.0	1.8	2.3	2.5	1.8	2.0	3.0	3.0	3.0
10	BH - 200488	2.1	2.5	1.0	1.9	2.4	2.0	2.3	2.6	3.3	2.9
11	MH 05-3	2.0	2.5	1.8	2.1	2.3	1.5	2.1	2.8	3.3	3.0
12	MH 05-4	1.9	3.0	1.5	2.1	2.3	1.3	1.9	2.4	3.1	2.8
13	V - 36	2.1	3.0	1.8	2.3	2.6	2.0	2.3	2.6	3.3	2.9
14	WC - 237	2.1	2.5	1.3	2.0	2.4	2.0	2.3	2.5	3.6	3.1
15	JKMH - 44	2.0	2.5	1.0	1.8	2.2	1.3	1.6	2.5	3.4	2.9
16	JKMH - 462	2.0	3.3	1.0	2.1	2.4	1.5	1.8	3.1	3.0	3.1
17	PAC - 736	2.0	2.8	2.0	2.3	2.5	1.0	1.7	2.4	3.1	2.8
18	MCH - 30	1.8	3.0	1.0	1.9	2.1	1.3	1.8	2.6	2.1	2.4
19	X - 9409	1.8	2.5	1.0	1.8	2.1	1.0	1.5	2.6	2.6	2.6
20	SMH - 21034	1.9	3.0	1.5	2.1	2.2	1.3	1.6	2.4	1.9	2.1
21	RIL - 5555	2.0	3.3	1.0	2.1	2.3	1.0	1.5	2.1	2.0	2.1
CHECKS:											
22	KH - 510	2.1	2.5	1.5	2.0	2.4	1.5	1.9	2.1	3.0	2.6
23	BIO- 9637	2.1	2.5	1.0	1.9	2.3	1.0	1.7	2.6	2.8	2.7
24	NAVJOT	2.1	2.3	1.8	2.0	2.5	1.3	1.9	2.3	3.1	2.7
MEAN LOCATION											
C.D. AT 5% =		0.4	0.9	0.4	0.5	-	0.7	0.5	0.5	0.9	0.7
C.V. % =		12.5	21.7	17.9	-	-	8.1	-	14.3	22.2	-
F (Prob)		.740	.477	.000	-	-	.000	-	.000	.002	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	EAR ASPECT *										OV'L MEAN	
		HYDE	KARI	ARBH	MONS	MAND	KOLH	ZN 4 MEAN	BANS	GODH	CHHI		ZN 5 MEAN
1	L - 173	3.1	2.3	2.5	3.5	2.7	2.0	2.7	2.1	3.5	1.5	2.4	2.6
2	E H - 1753	3.1	1.8	2.8	3.5	2.3	2.7	2.7	2.0	3.0	1.4	2.1	2.4
3	E H - 1491	3.0	1.5	3.0	4.0	2.7	2.5	2.8	1.8	3.0	1.5	2.1	2.5
4	E H - 1561	3.1	1.3	2.3	2.5	2.3	2.3	2.3	1.9	3.3	1.1	2.1	2.2
5	ICW 0301 (ZM421)	2.8	2.0	2.8	3.3	2.3	2.7	2.7	2.0	3.5	1.6	2.4	2.5
6	R - 2005 -4	3.3	1.8	3.0	3.8	2.3	2.7	2.8	2.3	2.5	1.4	2.0	2.5
7	CHH - 227	2.9	1.5	2.8	3.3	2.3	2.7	2.6	2.3	3.3	1.0	2.2	2.3
8	A H - 48007	3.5	1.3	2.3	3.5	2.7	2.8	2.7	2.1	3.5	1.5	2.4	2.5
9	A H - 48012	3.3	2.0	2.5	4.0	2.7	2.8	2.9	1.9	3.5	1.6	2.3	2.6
10	B H - 200488	3.4	1.3	2.0	2.8	3.0	2.2	2.4	2.5	2.8	1.3	2.2	2.4
11	M H 05-3	2.9	2.8	2.5	3.8	2.3	2.3	2.8	2.0	3.0	1.3	2.1	2.5
12	M H 05-4	3.3	1.8	2.8	3.3	2.3	2.2	2.5	1.9	3.5	1.3	1.9	2.3
13	V - 36	3.4	2.3	2.8	4.0	2.7	2.7	3.0	2.3	3.5	1.8	2.5	2.7
14	W C - 237	3.0	1.8	3.0	3.5	2.7	2.7	2.8	2.1	3.3	1.5	2.3	2.6
15	J K M H - 44	2.6	1.5	2.5	2.5	2.0	2.5	2.3	2.1	2.8	1.0	2.0	2.2
16	J K M H - 462	2.9	1.5	2.5	2.8	2.7	2.5	2.5	2.0	2.8	1.3	2.0	2.4
17	P A C - 736	2.9	2.5	3.0	3.5	3.0	2.3	2.9	1.9	3.3	2.5	2.5	2.6
18	M C H - 30	2.5	1.0	2.3	2.0	2.3	1.7	2.0	1.9	2.8	1.0	1.9	2.0
19	X - 9409	2.6	1.0	2.0	2.5	1.7	2.0	2.0	1.8	3.0	1.0	1.9	2.0
20	S M H - 21034	2.8	1.3	2.3	2.3	2.3	2.0	2.1	1.8	3.0	1.4	2.0	2.0
21	R I L - 5555	2.8	1.8	2.3	3.0	2.3	2.8	2.5	1.9	3.5	1.4	2.3	2.2
CHECKS:													
22	K H - 510	2.9	1.8	2.3	3.3	2.7	2.2	2.5	2.3	3.0	1.6	2.3	2.4
23	BIO- 9637	2.8	1.3	2.5	3.0	2.0	2.2	2.3	1.9	3.0	1.1	2.0	2.2
24	NAVJOT	2.9	2.0	2.8	4.0	2.7	2.5	2.8	2.3	2.8	1.9	2.3	2.5
MEAN LOCATION													
C.D. AT 5% =		3.0	1.7	2.5	3.2	2.5	2.4	2.5	2.0	3.1	1.4	2.2	2.4
C.V. % =		0.5	0.7	0.4	0.7	1.0	0.8	0.7	0.4	0.8	0.4	0.5	-
F (Prob)		11.8	31.4	9.2	16.4	25.7	20.0	-	15.6	18.7	17.8	-	-
		.005	.000	.000	.000	.808	.231	-	.077	.210	.000	-	-

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	HUSK COVER *										OV'L MEAN					
		ZN 1	GORA	BAJA	BELI	HYDE	KARI	ARBH	BANG MONS	MAND	KOLH		ZN 4 MEAN	BANS	GODH	CHHI	ZN 5 MEAN
1	L - 173	2.3	2.9	2.6	2.3	2.0	3.0	3.0	2.0	2.0	2.0	2.3	2.0	3.3	1.8	2.3	2.4
2	E H - 1753	2.0	1.8	2.9	2.0	2.5	3.0	3.0	3.0	3.0	2.2	2.6	1.9	2.8	1.3	2.0	2.3
3	E H - 1491	2.2	2.0	2.5	2.5	2.0	3.0	3.0	3.0	1.8	2.5	2.5	1.9	2.5	1.8	2.0	2.3
4	E H - 1561	2.3	2.3	2.6	1.3	2.0	3.0	3.0	2.0	1.5	2.1	2.1	1.9	3.5	1.3	2.2	2.1
5	ICW 0301 (ZM421)	2.3	1.8	2.6	2.0	2.5	3.0	3.0	2.7	1.7	2.4	2.4	2.3	2.8	1.3	2.1	2.3
6	R - 2005 -4	2.2	2.6	2.8	2.0	2.8	3.0	3.0	3.0	2.2	2.6	2.6	2.3	2.3	2.0	2.2	2.5
7	CHH - 227	2.5	1.8	2.6	2.3	2.5	3.0	3.0	2.7	2.2	2.5	2.5	2.1	2.8	1.8	2.2	2.4
8	A H - 48007	2.5	2.6	2.9	2.5	2.5	3.0	3.0	3.0	2.3	2.7	2.7	2.1	2.8	1.8	2.2	2.5
9	A H - 48012	2.3	2.1	2.8	2.0	2.5	3.0	3.0	3.0	2.2	2.6	2.6	1.9	3.0	2.0	2.3	2.4
10	B H - 200488	2.5	2.3	2.8	2.3	2.0	3.0	3.0	2.7	2.2	2.5	2.5	2.1	2.8	1.0	2.0	2.3
11	M H 05-3	2.5	2.6	2.6	3.0	2.3	3.0	3.0	3.0	2.0	2.6	2.6	2.3	3.3	1.0	2.2	2.5
12	M H 05-4	2.2	1.6	2.6	2.0	2.0	3.0	3.0	3.0	2.0	2.0	2.4	2.1	2.8	1.8	2.2	2.5
13	V - 36	2.7	1.8	2.8	2.3	2.5	3.0	3.0	2.7	2.2	2.6	2.6	2.0	3.3	2.0	2.4	2.5
14	W C - 237	2.7	1.8	2.8	2.3	2.5	3.0	3.0	2.3	1.7	2.4	2.4	2.1	3.5	1.5	2.4	2.4
15	J K M H - 44	2.2	2.5	2.5	1.3	2.3	2.8	3.0	2.3	2.2	2.3	2.3	2.0	3.0	1.0	2.0	2.2
16	J K M H - 462	2.2	2.3	2.5	2.0	2.0	2.8	3.0	3.0	1.8	2.3	2.3	1.9	3.3	1.3	2.1	2.3
17	P A C - 736	2.2	2.0	2.6	2.0	2.8	3.0	3.0	2.3	2.2	2.5	2.5	1.9	3.3	1.8	2.3	2.4
18	M C H - 30	2.2	2.1	2.4	1.5	2.3	2.8	2.8	2.7	2.0	2.3	2.3	1.9	2.8	1.8	2.1	2.2
19	X - 9409	2.2	1.9	2.8	2.0	2.0	3.0	3.0	3.0	1.7	2.4	2.4	1.6	3.3	1.0	2.0	2.2
20	S M H - 21034	2.3	1.9	2.5	2.3	2.0	3.0	3.0	2.7	2.0	2.4	2.4	1.9	3.3	1.5	2.2	2.3
21	R I L - 5555	2.0	1.9	2.4	1.8	2.3	3.0	3.0	3.0	2.2	2.4	2.4	1.9	3.0	2.0	2.3	2.3
CHECKS:																	
22	K H - 510	2.0	1.8	2.6	2.3	2.3	3.0	3.0	2.3	1.8	2.4	2.4	2.0	2.8	1.3	2.0	2.2
23	BIO - 9637	2.2	2.4	2.8	1.8	2.0	3.0	3.0	2.7	2.3	2.4	2.4	2.0	3.3	1.3	2.2	2.3
24	NAVJOT	2.3	2.5	2.9	1.8	3.0	3.0	3.0	2.3	2.3	2.5	2.5	2.5	3.3	1.5	2.4	2.5
MEAN LOCATION																	
C.D. AT 5% =																	
C.V. % =																	
F (Prob) =																	
.234 .000 .896 .000 .000 .000 .000 .571 .004 .234																	
- 13.5 19.7 16.8																	
.026 .293 .000																	

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	UNIFORMITY *												Zn 4 MEAN
		Zn 1 BAJA	Zn 1 GORA BELI	DHOL	Zn 3 MEAN	HYDE	KARI	ARBH	BANG MONS	MAND	KOLH			
1	L - 173	2.7	2.4	3.5	2.9	3.3	3.0	2.8	3.0	3.0	2.0	2.8	2.0	2.8
2	EH - 1753	2.2	1.8	3.1	2.4	3.3	2.4	2.8	2.5	2.7	2.7	2.5	2.5	2.7
3	EH - 1491	2.2	2.1	3.8	2.9	3.0	2.9	2.5	2.8	3.0	2.3	2.5	1.7	2.5
4	EH - 1561	2.0	2.1	3.3	2.7	3.0	2.7	2.3	1.8	2.3	2.3	1.8	1.8	2.2
5	ICW 0301 (ZM421)	2.3	2.1	3.1	2.6	2.9	2.6	2.5	2.8	3.0	3.0	2.0	2.0	2.6
6	R - 2005 -4	2.2	2.5	3.5	3.0	3.4	3.0	2.8	3.8	2.7	2.7	2.2	2.2	3.0
7	CHH - 227	2.5	1.6	3.3	2.4	3.0	2.4	2.8	2.8	2.5	2.7	2.2	2.2	2.6
8	AH - 48007	2.5	2.9	2.1	2.5	3.4	2.5	2.5	2.8	2.7	2.7	2.2	2.2	2.7
9	AH - 48012	2.5	2.8	3.0	2.9	3.3	2.9	2.3	3.0	2.7	2.7	2.5	2.5	2.8
10	BH - 200488	2.2	2.4	2.8	2.6	3.0	2.6	2.3	2.8	2.7	2.7	1.7	1.7	2.4
11	MH 05-3	2.2	2.8	2.0	2.4	3.1	2.4	2.0	1.0	2.0	2.0	2.0	2.0	2.1
12	MH 05-4	2.3	2.4	3.0	2.7	2.8	2.7	2.5	2.3	3.0	3.0	2.0	2.0	2.5
13	V - 36	2.5	2.4	3.2	2.6	3.1	2.6	2.5	2.5	2.3	2.3	2.0	2.0	2.6
14	WC - 237	2.2	2.8	3.4	3.1	3.1	3.1	3.0	2.8	3.0	3.0	2.2	2.2	2.8
15	JKMH - 44	2.0	2.4	3.8	3.1	2.9	3.1	2.3	1.5	2.7	2.7	2.2	2.2	2.2
16	JKMH - 462	2.0	3.3	3.5	3.4	2.9	3.4	2.5	2.5	2.0	2.0	2.0	2.0	2.3
17	PAC - 736	2.2	1.9	3.5	2.7	3.0	2.7	2.8	2.3	3.0	3.0	2.0	2.0	2.7
18	MCH - 30	2.5	2.4	2.6	2.5	2.5	2.5	2.0	1.0	2.0	2.3	2.0	2.0	2.0
19	X - 9409	2.2	2.6	2.3	2.4	2.9	2.4	2.3	1.5	2.7	2.7	2.2	2.2	2.2
20	SMH - 21034	2.3	2.4	2.3	2.3	2.9	2.3	2.0	2.8	2.0	2.0	2.0	2.0	2.3
21	RILL - 5555	2.2	2.1	3.1	2.6	3.0	2.6	2.3	2.3	3.0	3.0	2.3	2.3	2.6
CHECKS:														
22	KH - 510	2.0	2.4	2.8	2.6	3.0	2.6	2.3	2.5	3.0	3.0	2.3	2.3	2.6
23	BIO- 9637	2.2	2.4	3.1	2.8	2.8	2.8	2.0	1.8	2.7	2.7	2.2	2.2	2.3
24	NAVJOT	2.2	2.6	3.5	3.1	3.0	3.1	3.0	3.0	2.7	2.7	2.2	2.2	2.8
MEAN LOCATION		2.3	2.4	3.1	2.7	3.0	2.7	2.4	2.4	2.5	2.7	2.1	2.1	2.5
C.D. AT 5% =		0.4	0.5	0.8	0.6	0.5	0.6	0.4	1.0	0.6	0.7	0.4	0.4	0.6
C.V. % =		9.5	14.1	18.2	-	11.6	-	10.3	29.9	15.7	16.3	10.3	10.3	-
F (Prob)		.006	.000	.000	-	.154	-	.000	.000	.000	.046	.001	.001	-

TABLE NO. 2 (CONT.)

S1 NO	PEDIGREE	UNIFORMITY *										PLANT HEIGHT (cm)															
		BANS		GODH		CHHI		ZN 5		OV/L		BAJA		KANG		BARA		ZN 1		DELH		KARN		PANT		ZN 2	
		MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
1	L - 173	1.9	2.5	1.5	2.0	2.6	192	182	157	177	167	185	193	181													
2	E H - 1753	2.0	2.5	1.3	1.9	2.4	184	190	123	166	175	192	208	191													
3	E H - 1491	2.0	2.5	1.3	1.9	2.4	207	182	129	173	202	217	198	205													
4	E H - 1561	2.0	2.8	1.0	1.9	2.2	173	173	125	157	170	183	185	179													
5	ICW 0301 (ZM421)	2.4	3.5	1.3	2.4	2.5	199	182	141	174	185	198	207	197													
6	R - 2005 -4	2.3	2.5	1.5	2.1	2.7	205	210	124	180	183	193	204	193													
7	CHH - 227	2.0	3.0	1.3	2.1	2.5	221	203	138	187	178	197	211	195													
8	A H - 48007	2.1	3.0	1.3	2.1	2.5	201	208	121	177	178	185	208	190													
9	A H - 48012	2.0	3.0	1.5	2.2	2.6	207	192	145	181	175	175	196	182													
10	B H - 200488	2.0	3.0	1.0	2.0	2.3	203	185	134	174	180	197	196	191													
11	M H - 05-3	2.1	2.8	1.0	2.0	2.1	160	172	116	149	162	145	160	155													
12	M H - 05-4	2.0	3.0	1.0	2.0	2.4	193	172	119	161	180	200	186	189													
13	V - 36	2.0	3.0	1.0	2.0	2.5	223	200	129	184	170	188	199	186													
14	W C - 237	2.1	3.0	1.3	2.1	2.6	173	170	116	153	173	173	193	180													
15	J K M H - 44	2.0	2.5	1.0	1.8	2.3	221	192	132	181	183	182	213	193													
16	J K M H - 462	2.1	2.8	1.0	2.0	2.4	207	182	124	171	157	187	205	183													
17	P A C - 736	2.0	3.3	1.8	2.3	2.5	197	185	137	173	187	190	203	193													
18	M C H - 30	1.9	3.3	1.0	2.0	2.1	205	193	120	173	195	198	218	204													
19	X - 9409	2.0	3.0	1.0	2.0	2.2	196	188	115	166	182	192	219	198													
20	S M H - 21034	1.9	3.0	1.5	2.1	2.2	211	172	141	174	193	193	209	199													
21	R I L - 5555	2.0	3.0	1.0	2.0	2.4	218	185	116	173	177	198	221	199													
CHECKS:																											
22	K H - 510	1.9	2.3	1.0	1.7	2.3	190	182	114	162	178	190	200	190													
23	BIO- 9637	2.1	2.5	1.5	2.0	2.3	195	195	148	179	187	192	230	203													
24	NAVJOT	2.1	2.5	1.8	2.1	2.6	194	202	111	169	188	188	205	194													
MEAN LOCATION		2.0	2.8	1.2	2.0	2.4	199	187	128	171	179	189	203	190													
C.D. AT 5% =		0.3	1.0	0.3	0.5	-	20.2	16.6	27.5	21.4	34.0	10.4	13.5	19.3													
C.V. % =		10.3	24.0	16.7	-	-	6.2	5.4	15.2	-	11.5	3.3	4.7	-													
F (Prob)		.210	.684	.000	-	-	.000	.000	.073	-	.775	.000	.000	-													

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	PLANT HEIGHT (cm)						ZN 3 MEAN	HYDE	KARI	BANG MONS	MAND	COIM	KOLH	ZN 4 MEAN
		GORA BELI	VARA	DHOL	ZN 3 MEAN	HYDE	KARI								
1	L - 173	146	233	146	175	153	203	200	189	184	162	182			
2	E H - 1753	153	215	164	177	170	216	218	191	193	128	186			
3	E H - 1491	165	220	155	180	150	211	229	195	194	157	189			
4	E H - 1561	144	205	140	163	165	194	201	178	183	153	179			
5	ICW 0301 (ZM421)	158	200	157	172	145	216	230	184	192	132	183			
6	R - 2005 -4	141	218	159	173	153	204	224	176	198	110	177			
7	CHH - 227	170	238	163	190	148	210	233	198	203	120	185			
8	A H - 48007	136	208	143	162	158	198	205	187	189	108	174			
9	A H - 48012	136	213	138	162	163	197	194	191	181	113	173			
10	B H - 200488	142	208	154	168	145	203	206	174	193	140	177			
11	M H 05-3	134	175	115	141	150	155	174	161	149	110	150			
12	M H 05-4	155	213	130	166	158	203	205	184	178	125	175			
13	V - 36	138	230	139	169	155	180	210	163	181	123	169			
14	W C - 237	146	218	147	170	158	195	216	177	179	110	172			
15	J K M H - 44	139	208	146	164	160	193	206	184	184	115	174			
16	J K M H - 462	148	208	140	165	168	210	200	180	191	125	179			
17	P A C - 736	146	205	137	163	150	190	200	173	182	160	176			
18	M C H - 30	161	243	173	192	155	212	213	198	205	140	187			
19	X - 9409	142	228	149	173	155	207	189	187	183	108	172			
20	S M H - 21034	139	230	172	180	168	224	235	203	200	145	196			
21	R I L - 5555	149	230	164	181	150	219	220	187	198	102	179			
CHECKS:															
22	K H - 510	157	205	141	168	148	204	216	176	186	130	177			
23	BIO- 9637	160	233	173	189	150	225	250	200	209	125	193			
24	NAVJOT	152	213	156	173	145	201	195	180	200	110	172			
MEAN LOCATION															
C.D. AT 5% =															
C.V. % =															
F (Prob) =															

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 1			ZN 2					
		BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	BAJA	KANG	BARA	MEAN	DELH	KARN	PANT	MEAN	BELI	VARA
1	L - 173	180	154	170	168	177	95	72	61	76	68	90	83	80	67	86
2	E H - 1753	193	155	194	180	181	85	97	56	79	73	120	103	99	72	93
3	E H - 1491	204	148	190	180	186	106	70	59	78	92	125	91	102	83	88
4	E H - 1561	183	144	165	164	170	82	73	57	71	73	98	81	84	50	80
5	ICW 0301 (ZM421)	190	155	186	177	181	115	82	65	87	82	118	101	100	70	85
6	R - 2005 -4	185	160	188	178	180	85	105	54	81	75	98	90	88	65	88
7	CHH - 227	195	176	194	188	189	120	82	52	84	77	95	97	90	78	95
8	A H - 48007	174	160	181	172	175	114	105	61	93	90	95	102	96	65	98
9	A H - 48012	179	180	181	180	175	108	102	57	89	75	105	80	87	54	93
10	B H - 200488	183	163	218	188	179	103	88	58	83	93	108	96	99	64	83
11	M H 05-3	156	156	139	150	149	77	80	49	69	67	83	73	74	58	70
12	M H 05-4	180	153	181	171	173	95	82	51	76	77	107	88	90	65	85
13	V - 36	168	149	174	163	173	127	83	52	87	72	105	95	91	62	95
14	W C - 237	181	155	190	175	171	97	89	53	79	72	98	85	85	61	78
15	J K M H - 44	178	156	168	167	175	120	85	59	88	78	97	100	92	66	73
16	J K M H - 462	181	155	185	174	175	111	70	55	79	63	108	97	89	66	90
17	P A C - 736	179	144	161	161	174	97	83	62	81	78	87	87	84	64	73
18	M C H - 30	205	159	190	185	188	110	82	53	81	68	100	101	90	73	95
19	X - 9409	199	169	189	185	177	109	72	54	78	78	100	106	95	60	95
20	S M H - 21034	194	156	196	182	188	108	72	57	79	88	118	108	105	60	115
21	R I L - 5555	210	153	203	188	183	100	83	48	77	75	108	96	93	65	78
CHECKS:																
22	K H - 510	174	174	179	175	175	96	77	50	74	78	83	84	82	69	78
23	BIO- 9637	194	150	195	180	189	97	78	61	79	82	112	106	100	74	75
24	NAVJOT	174	151	174	166	174	103	82	50	78	87	102	90	93	71	80
MEAN LOCATION																
C.D. AT 5% = 21.4 10.8 18.8 17.0 - 23.4 8.6 16.1 16.0 19.0 8.6 9.4 12.3 21.0 12.6																
C.V. % = 8.2 4.9 7.3 - 13.9 6.3 20.6 - 14.9 5.1 7.2 - 22.6 8.9																
F (Prob) = .001 .000 .000 - .006 .000 .889 - .154 .000 .000 - .529 .000																

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	EAR HEIGHT (cm)										ZN 5 OV'L MEAN	ZN 5 MEAN		
		ZN 3		BANG		ZN 4		ZN 5		OV'L					
		DHOL	MEAN	HYDE	KARI	MONS	MAND	COIM	KOLH	MEAN	BANS	GODH	CHHI	MEAN	MEAN
1	L - 173	68	74	55	74	86	82	82	73	75	73	65	79	72	75
2	E H - 1753	82	82	63	96	96	83	103	68	85	84	54	106	81	85
3	E H - 1491	75	82	63	90	98	87	98	87	87	88	55	90	78	86
4	E H - 1561	63	64	65	78	93	84	86	68	79	76	44	75	65	74
5	ICW 0301 (ZM421)	78	77	53	92	101	90	93	55	81	74	54	84	70	83
6	R - 2005 -4	64	72	58	70	99	65	94	48	72	71	68	79	73	76
7	CHH - 227	76	83	50	101	100	86	96	62	82	81	73	86	80	84
8	A H - 48007	77	80	63	91	98	85	99	50	81	91	54	90	78	85
9	A H - 48012	66	71	65	74	93	80	81	60	75	78	75	80	78	79
10	B H - 200488	70	72	53	92	109	96	90	73	85	76	70	116	88	86
11	M H 05-3	55	61	65	59	66	65	74	53	64	63	65	60	63	66
12	M H 05-4	62	71	70	75	101	82	87	65	80	79	61	81	74	78
13	V - 36	68	75	63	79	90	74	83	40	71	81	53	83	72	78
14	W C - 237	69	69	58	90	96	79	75	45	74	71	54	81	69	75
15	J K M H - 44	70	69	73	71	100	85	89	60	80	78	64	85	75	81
16	J K M H - 462	70	75	63	87	91	81	87	43	75	79	56	93	76	78
17	P A C - 736	59	65	58	88	83	70	82	75	76	80	46	68	65	74
18	M C H - 30	75	81	65	89	110	91	101	55	85	91	56	89	79	83
19	X - 9409	70	75	63	93	85	78	90	48	76	80	70	89	80	80
20	S M H - 21034	92	89	68	104	120	99	105	85	97	101	64	103	89	93
21	R I L - 5555	70	71	63	88	90	91	93	60	81	85	53	86	75	80
CHECKS:															
22	K H - 510	63	70	48	86	76	72	91	52	71	74	84	86	81	75
23	BIO- 9637	73	74	55	91	111	94	103	47	84	79	58	84	73	82
24	NAVJOT	79	77	63	90	90	74	93	45	76	71	50	81	68	78
MEAN LOCATION		70	74	61	85	95	82	91	59	79	79	60	86	75	80
C.D. AT 5% =		18.1	17.2	8.2	8.6	21.6	16.2	8.0	12.6	12.5	19.1	10.2	16.2	15.2	-
C.V. % =		18.2	-	9.6	7.2	16.1	12.0	6.3	13.0	-	17.1	12.0	13.5	-	-
F (Prob)		.077	-	.000	.000	.004	.003	.000	.000	-	.131	.000	.000	-	-

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	EAR No. / PLANT										OV/L MEAN	
		BARA	BELI	VARA	HYDE	KARI	BANG MONS	MAND	KOLH	BANS	GODH		CHHI
1	L - 173	0.86	0.93	0.96	1.09	0.97	1.00	1.13	0.85	0.99	0.87	0.96	0.96
2	E H - 1753	0.89	0.85	0.97	1.05	0.99	1.03	1.07	0.65	1.08	0.88	1.00	0.96
3	E H - 1491	0.88	0.85	0.92	1.12	0.91	1.02	1.00	0.52	0.87	0.84	0.99	0.90
4	E H - 1561	0.88	0.93	1.00	1.04	1.00	0.99	0.97	0.76	1.03	0.87	0.94	0.95
5	ICW 0301 (ZM421)	0.86	0.95	1.03	1.02	1.05	1.00	0.98	0.78	1.10	0.85	1.02	0.97
6	R - 2005 -4	0.86	0.96	0.95	1.08	1.01	1.01	0.96	0.80	1.08	0.93	0.99	0.97
7	CHH - 227	0.95	0.94	0.98	1.02	0.97	1.01	0.90	0.77	1.07	0.89	0.94	0.95
8	A H - 48007	0.86	0.95	1.04	1.02	1.01	1.01	0.95	0.91	1.05	0.88	0.95	0.97
9	A H - 48012	0.89	0.94	0.99	1.06	0.95	1.00	0.99	0.90	1.12	1.06	0.95	0.99
10	B H - 200488	0.85	0.92	0.99	1.03	0.96	1.00	0.91	0.91	1.14	0.78	0.92	0.95
11	M H 05-3	0.85	0.95	1.07	1.03	0.90	1.01	1.04	0.83	1.13	0.89	0.92	0.96
12	M H 05-4	0.86	0.94	0.93	1.03	0.99	1.02	1.04	0.74	1.02	0.87	1.01	0.95
13	V - 36	0.93	0.94	0.99	1.01	0.98	1.01	1.05	0.80	0.96	0.82	0.99	0.95
14	W C - 237	0.98	0.95	0.82	1.04	0.98	0.99	1.02	0.59	0.97	0.79	0.97	0.92
15	J K M H - 44	0.98	0.95	0.95	1.03	0.97	1.01	0.97	0.75	1.04	0.86	0.96	0.95
16	J K M H - 462	0.95	0.90	0.98	1.03	1.02	0.99	1.01	0.57	0.98	0.84	0.98	0.93
17	P A C - 736	0.96	0.93	0.98	1.02	1.03	1.01	0.93	0.67	1.13	0.90	0.95	0.96
18	M C H - 30	0.93	0.92	0.95	1.04	1.06	1.01	1.00	0.66	1.03	0.86	0.96	0.95
19	X - 9409	0.95	0.92	1.07	1.06	0.99	1.00	1.03	0.76	1.10	0.88	0.99	0.98
20	S M H - 21034	0.98	0.94	1.00	1.04	1.04	1.02	1.06	0.89	0.98	0.85	0.98	0.98
21	R I L - 5555	0.94	0.94	0.94	1.02	0.97	0.99	0.93	0.90	1.01	0.78	0.98	0.95
CHECKS:													
22	K H - 510	0.91	0.94	0.91	1.07	1.00	0.99	1.00	0.78	1.08	1.02	1.00	0.97
23	BIO- 9637	0.91	0.86	0.99	1.04	0.96	1.01	0.97	0.91	1.20	0.80	1.01	0.97
24	NAVJOT	0.92	0.93	0.92	1.06	1.02	0.99	1.12	0.91	1.10	0.85	0.99	0.98
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob) =													

TABLE NO. 2 (CONT.)

SI NO	PEDIGREE	H. turcicum *		STAND AT HARVEST				GORA		DHOL	
		ZN 1 BANG	ZN 4 OV'L	BAJA	KANG	BARA	KARN	PANT	BELI		VARA
1	L - 173	2.3	2.8	30	22	33	22	31	34	37	40
2	EH - 1753	2.2	2.4	31	20	32	24	28	37	36	29
3	EH - 1491	1.8	2.5	29	19	29	29	39	34	41	36
4	EH - 1561	1.7	1.9	34	22	27	25	39	34	37	36
5	ICW 0301 (ZM421)	2.0	2.6	32	24	27	25	34	35	37	39
6	R - 2005 -4	1.8	2.9	29	25	29	23	30	34	35	25
7	CHH - 227	1.8	2.4	32	25	31	25	39	39	32	36
8	AH - 48007	2.0	2.4	32	25	28	26	36	37	38	36
9	AH - 48012	1.8	3.0	31	21	28	23	38	38	34	37
10	BH - 200488	2.3	2.1	30	21	30	23	36	33	37	36
11	MH 05-3	1.7	2.4	30	23	28	26	38	33	37	35
12	MH 05-4	1.8	2.8	31	20	29	24	31	32	35	35
13	V - 36	2.0	3.1	31	21	30	26	40	38	38	37
14	WC - 237	1.7	2.7	29	21	28	23	33	35	28	31
15	JKMH - 44	1.5	2.1	37	22	29	34	29	31	41	33
16	JKMH - 462	1.7	1.9	32	24	29	27	29	34	35	35
17	PAC - 736	1.5	2.8	31	19	29	24	34	35	34	28
18	MCH - 30	2.0	2.0	31	21	29	28	35	30	39	32
19	X - 9409	1.7	1.8	32	21	27	27	38	38	36	37
20	SMH - 21034	1.7	2.0	30	24	28	26	38	32	35	31
21	RIL - 5555	1.7	2.1	32	20	28	26	26	35	38	34
CHECKS:											
22	KH - 510	2.0	2.1	32	22	27	28	37	35	35	32
23	BIO- 9637	1.7	2.0	33	22	27	26	34	38	34	32
24	NAVJOT	2.5	3.2	31	25	31	25	37	35	36	34
MEAN LOCATION											
C.D. AT 5% =		0.4	0.7	4.3	3.0	3.8	3.1	5.7	4.3	5.1	7.0
C.V. % =		12.8	11.6	8.4	8.1	9.5	7.3	11.8	8.7	8.6	14.8
F (Prob)		.000	.000	.155	.000	.127	.000	.000	.001	.005	.009

TABLE NO. 2 (CONT.)

SL NO	PEDIGREE	STAND AT HARVEST					BANG MONS	MAND	COIM	KOLH	BANS	GODH	CHHI	OV'L MEAN
		HYDE	KARI.	ARBH	BANG	MONS								
1	L - 173	29	39	35	37	35	30	40	30	25	36	32		
2	E H - 1753	35	36	37	40	36	27	35	30	23	38	32		
3	E H - 1491	27	39	29	38	34	25	45	28	27	37	32		
4	E H - 1561	33	38	36	38	34	29	39	34	23	40	33		
5	ICW 0301 (ZM421)	28	36	26	37	31	28	42	28	26	40	32		
6	R - 2005 -4	25	26	33	38	35	27	34	30	27	38	30		
7	CHH - 227	29	38	37	39	36	26	49	28	24	39	33		
8	A H - 48007	27	37	33	34	30	27	40	31	23	39	32		
9	A H - 48012	28	39	35	41	26	25	43	32	27	36	32		
10	B H - 200488	25	38	34	39	40	29	45	35	29	37	33		
11	M H 05-3	36	38	37	36	32	26	44	27	22	37	33		
12	M H 05-4	32	38	37	38	36	27	40	34	30	38	32		
13	V - 36	31	38	34	39	34	27	39	29	23	36	33		
14	W C - 237	27	33	29	37	31	25	33	31	29	38	30		
15	J K M H - 44	31	37	36	40	34	29	38	27	31	39	33		
16	J K M H - 462	33	39	29	40	35	28	39	29	27	38	32		
17	P A C - 736	29	36	26	29	34	25	41	29	27	39	30		
18	M C H - 30	35	37	38	41	36	30	42	32	25	38	33		
19	X - 9409	37	39	36	40	38	29	39	33	28	38	34		
20	S M H - 21034	30	36	31	40	38	28	43	28	29	38	32		
21	R I L - 5555	29	35	32	38	33	28	33	29	26	35	31		
CHECKS:														
22	K H - 510	26	35	29	36	31	27	46	31	25	37	32		
23	BIO- 9637	30	36	32	37	32	29	38	26	27	37	32		
24	NAVJOT	29	38	27	38	36	26	40	29	26	38	32		
MEAN LOCATION														
C.D. AT 5% =		7.1	3.2	12.1	3.4	6.0	2.1	9.5	6.2	7.2	3.8	-		
C.V. % =		16.9	6.2	22.4	6.3	10.9	5.5	14.3	14.8	19.5	7.1	-		
F (Prob)		.033	.000	.738	.000	.006	.000	.135	.268	.571	.584	-		

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

TABLE NO. 3

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, DELHI, LUDHIANA, KARNAL, KANPUR, BELIPAR GORAKHPUR, VARANASI, DHOLI, JASHIPUR, HYDERABAD, KARIMNAGAR, ARHAVI, ADVANTA BANGALORE, PROAGRO BANGALORE, MANDYA, COIMBATORE, KOLHAPUR, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN IET, TRIAL NO. TR63 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		ZN 1					ZN 2										
		ALMO	BAJA	MEAN	DELH	LUDH	KARN	KANP	MEAN	R	R	R	R	R	R		
1	J H - 31045	6144	30	6592	13	6368	24	1119	26	5920	6	4381	18	5508	31	4232	17
2	J C - 3287	8308	6	7378	8	7843	6	1152	22	4984	15	4473	17	6589	5	4299	15
3	J C - 3288	6330	28	5737	25	6033	26	1051	28	5881	8	4046	28	5739	25	4179	20
4	J C - 3289	4866	31	5124	29	4995	32	1175	19	4620	21	4280	22	6393	10	4117	22
5	E H - 1496	7619	13	6016	22	6818	16	1336	4	4489	23	4924	9	6323	14	4268	16
6	E H - 1497	6794	20	6039	20	6417	22	1321	5	5017	14	4739	14	6327	13	4351	12
7	E H - 1495	6582	24	6491	14	6537	20	1195	16	5294	11	4795	13	6240	17	4381	10
8	E H - 1506	7502	14	5311	27	6406	23	1129	25	3948	31	3965	30	5831	23	3718	32
9	I H Y - 0364	6844	19	6365	16	6604	18	954	31	5206	13	4182	24	7059	1	4351	13
10	B V M - 10	6529	25	6653	12	6591	19	1205	15	4353	24	4143	26	5848	22	3887	27
11	B V M - 9 - 1	7913	9	4964	31	6439	21	1232	12	4246	28	4498	16	5631	27	3902	25
12	D - 131	8045	8	6125	17	7085	13	1316	6	4674	19	4834	12	5983	21	4202	19
13	F H - 3311	9306	2	7620	6	8463	2	921	32	5638	9	5371	4	6284	15	4554	8
14	R - 2005 - 1	6610	23	4684	32	5647	30	1160	21	4043	30	4092	27	6776	3	4018	24
15	R - 2005 - 2	6337	27	5086	30	5711	29	1144	23	4314	25	5397	3	6524	7	4345	14
16	R - 2005 - 3	6323	29	6037	21	6180	25	1171	20	4759	17	4289	21	6253	16	4118	21
17	A H - 47192	7353	16	5972	24	6662	17	1245	10	5458	10	5164	7	5631	28	4374	11
18	A H - 48005	6676	22	5322	26	5999	28	1294	7	4625	20	3990	29	5339	32	3812	29
19	A H - 48011	6750	21	5292	28	6021	27	1293	9	4249	27	3888	31	5783	24	3803	30
20	U M H - 8	7474	15	7132	11	7303	10	1363	3	6758	3	4856	10	6345	12	4830	2

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 2								
		ALMO			BAJA			DELH			LUDH			KARN			KANP			MEAN	R	
		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
21	M H 05-5	6452	26	7221	9	6837	15	1465	2	5256	12	4839	11	6697	4	4565	6					
22	V - 35	8294	7	6046	19	7170	11	1293	8	4075	29	3521	32	6092	19	3745	31					
23	W H -4	6962	17	8340	1	7651	8	1233	11	4933	16	4316	20	6388	11	4218	18					
24	I V - 421	6890	18	7424	7	7157	12	1192	17	4587	22	4259	23	5539	30	3894	26					
25	P A C - 712	7693	12	7663	5	7678	7	1136	24	3469	32	4356	19	6475	8	3859	28					
26	M C H - 32	8783	3	7764	4	8274	3	1030	29	6062	5	6353	1	5997	20	4860	1					
27	X - 9411	9432	1	7960	2	8696	1	1180	18	6125	4	5590	2	6401	9	4824	4					
28	PRO 368	8720	4	7152	10	7936	4	1206	14	5902	7	5220	5	6528	6	4714	5					
29	PRO 369	8688	5	6390	15	7539	9	1004	30	4683	18	5017	8	6898	2	4400	9					
CHECKS:																						
30	PARKASH	7719	11	6124	18	6921	14	1545	1	6987	2	5213	6	5574	29	4830	3					
31	X - 3342	7911	10	7930	3	7921	5	1100	27	7257	1	4165	25	5713	26	4559	7					
32	KIRAN	4783	32	5997	23	5390	31	1231	13	4262	26	4518	15	6206	18	4054	23					
	MEAN YIELD=	7270		6436		6853		1200		5065		4615		6154		4258						
	MEAN STAND	22		35		28		23		37		27		36		31						
	C.D. AT 5%=	1421		1092		1257		374		1896		192		800		816						
	C.V. %	13.93		10.40		-		19.11		26.67		2.55		7.96		-						
	F (Prob)	.000		.000		-		.006		.000		.000		.000		-						
	PLOT SIZE=	3.40		4.80		-		7.50		5.46		6.00		6.00		-						
AGRONOMY DATA:																						
	SOWING DATE(2005)	10-07		1-07		-		28-07		5-07		28-06		1-07		-						
	HARVEST DATE(2005)	12-11		8-11		-		-		14-10		3-10		4-10		-						
	IRRIGATION Nos	-		2		-		-		-		4		-		-						
	FERTILIZER APPLIED N	80		120		-		100		88		150		80		-						
	P	60		60		-		80		40		60		40		-						
	K	40		40		-		60		-		40		40		-						

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 30%) : PANT 39.8%

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE	VARA	DHOL	JASH	ZN 3 MEAN	R
1	J J J J	1045	4180	1456	8260	227	12
2	J J J J	1087	3120	1533	3453	334	22
3	J J J J	1288	3120	1533	3453	334	22
4	J J J J	1289	3120	1533	3453	334	22
5	J J J J	1496	3120	1533	3453	334	22
6	J J J J	1497	3120	1533	3453	334	22
7	J J J J	1495	3120	1533	3453	334	22
8	J J J J	1506	3120	1533	3453	334	22
9	J J J J	1506	3120	1533	3453	334	22
10	J J J J	1506	3120	1533	3453	334	22
11	J J J J	1506	3120	1533	3453	334	22
12	J J J J	1506	3120	1533	3453	334	22
13	J J J J	1506	3120	1533	3453	334	22
14	J J J J	1506	3120	1533	3453	334	22
15	J J J J	1506	3120	1533	3453	334	22
16	J J J J	1506	3120	1533	3453	334	22
17	J J J J	1506	3120	1533	3453	334	22
18	J J J J	1506	3120	1533	3453	334	22
19	J J J J	1506	3120	1533	3453	334	22
20	J J J J	1506	3120	1533	3453	334	22
21	J J J J	1506	3120	1533	3453	334	22
22	J J J J	1506	3120	1533	3453	334	22
23	J J J J	1506	3120	1533	3453	334	22
24	J J J J	1506	3120	1533	3453	334	22
25	J J J J	1506	3120	1533	3453	334	22
26	J J J J	1506	3120	1533	3453	334	22
27	J J J J	1506	3120	1533	3453	334	22
28	J J J J	1506	3120	1533	3453	334	22
29	J J J J	1506	3120	1533	3453	334	22
30	J J J J	1506	3120	1533	3453	334	22
31	J J J J	1506	3120	1533	3453	334	22
32	J J J J	1506	3120	1533	3453	334	22

AGRONOMY DATA: (2005)
 SOWING DATE (2005)
 HARVEST DATE (2005)
 FERTILIZER APPLIED

TABLE NO. 3 (CONT.)

Sl No	Pedigree	HYDE	KARI	ARBH	AT 15%	MOISTURE	BANG PROA	MAND	COIM	R
1	HCCCHHHHHV	28	43	47	18	24	43	50	91	09
2	CCCCHHHHHV	19	35	39	12	17	20	17	14	22
3	CCCHHHHHV	30	46	40	22	33	25	48	33	12
4	CCCHHHHHV	7	24	34	22	19	32	15	42	25
5	CCCHHHHHV	3	47	44	33	18	22	49	19	23
6	CCCHHHHHV	75	26	48	22	25	34	56	16	11
7	CCCHHHHHV	12	35	48	22	22	24	68	47	15
8	CCCHHHHHV	33	55	44	22	22	28	59	17	52
9	CCCHHHHHV	15	22	47	22	28	29	66	47	15
10	CCCHHHHHV	11	40	52	22	28	29	70	47	15
11	CCCHHHHHV	1	27	38	11	26	48	34	25	29
12	CCCHHHHHV	2	48	46	11	26	51	47	37	40
13	CCCHHHHHV	2	11	55	11	26	51	50	47	40
14	CCCHHHHHV	7	49	49	11	26	51	55	57	40
15	CCCHHHHHV	7	29	56	11	26	51	64	73	40
16	CCCHHHHHV	2	17	66	11	26	51	64	73	40
17	CCCHHHHHV	2	40	52	11	26	51	64	73	40
18	CCCHHHHHV	2	40	52	11	26	51	64	73	40
19	CCCHHHHHV	7	29	56	11	26	51	64	73	40
20	CCCHHHHHV	2	40	52	11	26	51	64	73	40
21	CCCHHHHHV	2	40	52	11	26	51	64	73	40
22	CCCHHHHHV	2	40	52	11	26	51	64	73	40
23	CCCHHHHHV	2	40	52	11	26	51	64	73	40
24	CCCHHHHHV	2	40	52	11	26	51	64	73	40
25	CCCHHHHHV	2	40	52	11	26	51	64	73	40
26	CCCHHHHHV	2	40	52	11	26	51	64	73	40
27	CCCHHHHHV	2	40	52	11	26	51	64	73	40
28	CCCHHHHHV	2	40	52	11	26	51	64	73	40
29	CCCHHHHHV	2	40	52	11	26	51	64	73	40
30	CCCHHHHHV	31	59	43	21	17	80	46	28	13
31	CCCHHHHHV	26	62	38	21	17	80	46	28	13
32	CCCHHHHHV	1	28	43	21	17	80	46	28	13
33	CCCHHHHHV	1	28	43	21	17	80	46	28	13

Y M M 1 3 5 11 1 3
 2005 2005 48 8 11
 H 5 - 4 21 12
 H 4 11
 369
 CHECKS:
 PARKASH:
 X KIRAN YIELD=
 MEAN STAND
 AT 5% =
 C.C.V. (%) =
 PLOTT SIZE=
 AGRONOMY DATE: (2005)
 SOWING DATE (2005)
 HARVEST DATE NOS
 IRRIGATION APPLIED
 FERTILIZER APPLIED N P K

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha)	AT 15% MOISTURE	UDAI	BANS	MOISTURE	GODH	CHHI	ZN	OV'L	R
		MEAN	R	R	R	R	R	R	MEAN	MEAN	
1	J	15	27	8	30	27	43	4	6	4	27
2	J	11	27	4	38	27	38	4	7	4	27
3	J	11	23	4	25	21	35	4	5	4	23
4	J	11	23	4	25	21	35	4	5	4	23
5	J	11	23	4	25	21	35	4	5	4	23
6	J	11	23	4	25	21	35	4	5	4	23
7	J	11	23	4	25	21	35	4	5	4	23
8	J	11	23	4	25	21	35	4	5	4	23
9	J	11	23	4	25	21	35	4	5	4	23
10	J	11	23	4	25	21	35	4	5	4	23
11	J	11	23	4	25	21	35	4	5	4	23
12	J	11	23	4	25	21	35	4	5	4	23
13	J	11	23	4	25	21	35	4	5	4	23
14	J	11	23	4	25	21	35	4	5	4	23
15	J	11	23	4	25	21	35	4	5	4	23
16	J	11	23	4	25	21	35	4	5	4	23
17	J	11	23	4	25	21	35	4	5	4	23
18	J	11	23	4	25	21	35	4	5	4	23
19	J	11	23	4	25	21	35	4	5	4	23
20	J	11	23	4	25	21	35	4	5	4	23
21	J	11	23	4	25	21	35	4	5	4	23
22	J	11	23	4	25	21	35	4	5	4	23
23	J	11	23	4	25	21	35	4	5	4	23
24	J	11	23	4	25	21	35	4	5	4	23
25	J	11	23	4	25	21	35	4	5	4	23
26	J	11	23	4	25	21	35	4	5	4	23
27	J	11	23	4	25	21	35	4	5	4	23
28	J	11	23	4	25	21	35	4	5	4	23
29	J	11	23	4	25	21	35	4	5	4	23
30	J	11	23	4	25	21	35	4	5	4	23
31	J	11	23	4	25	21	35	4	5	4	23
32	J	11	23	4	25	21	35	4	5	4	23
33	J	11	23	4	25	21	35	4	5	4	23

X M 13 1 311 1 23
 Y M 1 1 200 5 192 5 105 11
 H C C C H H H H H V - H - - H H H H H - H V C H 9 4 11
 J J J J E E E E E I B B D F R R R A A A U M V W L P M X
 PRO 3 3 6 9
 CHECKS:
 PARKASH 3 3 4 2
 KIRAN YIELD =
 MEAN STAND
 C.D. AT 5% =
 C.V. (%) =
 F (Prob)
 PLOT SIZE =
 AGRONOMY DATA:
 SOWING DATE (2005)
 HARVEST DATE (2005)
 IRRIGATION NO
 FERTILIZER APPLIED
 N P K

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARKASH									
		GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN	HYDE	KARI	ARBH	BANG ADVA	BANG PROA
1	J H - 31045	-	-	-	-	-	16.52	-	8.96	-	-
2	J C - 3287	-	-	-	-	-	36.95	-	9.87	11.47	5.97
3	J C - 3288	-	-	-	-	-	53.59	-	-	-	-
4	J C - 3289	-	4.96	-	16.58	-	5.30	-	-	-	-
5	E H - 1496	-	-	-	-	-	62.43	-	-	4.20	-
6	E H - 1497	-	-	-	-	-	20.99	-	-	-	-
7	E H - 1495	-	-	-	-	-	35.18	-	-	-	8.18
8	E H - 1506	-	-	-	-	-	49.77	-	4.83	-	-
9	I H Y - 0364	-	-	-	-	-	42.92	-	4.52	-	-
10	B V M - 10	-	-	-	-	-	24.71	-	1.87	-	-
11	B V M - 9 - 1	-	-	-	2.59	-	41.42	-	-	-	-
12	D H - 131	-	-	-	-	-	71.39	-	23.48	-	-
13	F H - 3311	-	-	-	4.21	-	51.71	-	44.03	9.64	14.60
14	R - 2005 - 1	-	-	-	-	-	37.76	-	7.58	-	-
15	R - 2005 - 2	-	-	-	-	-	31.93	-	13.51	-	6.12
16	R - 2005 - 3	-	-	-	-	-	20.15	-	19.88	-	-
17	A H - 47192	-	-	-	-	-	5.65	-	38.08	16.94	-
18	A H - 48005	-	-	-	13.21	-	35.83	-	16.78	5.21	2.42
19	A H - 48011	-	-	-	-	-	52.60	-	32.35	4.77	0.09
20	U M H - 8	-	-	11.41	1.26	-	29.73	-	21.27	2.20	18.56
21	M H - 05-5	-	-	-	-	-	42.77	-	10.63	11.25	-
22	V - 35	-	-	-	-	-	63.79	-	6.23	-	-
23	W H - 4	-	-	14.86	-	-	52.17	-	31.82	28.21	5.91
24	I V - 421	-	-	-	-	-	91.52	-	7.27	7.06	-
25	P A C - 712	-	19.04	1.78	-	-	121.25	-	61.67	16.72	5.84
26	M C H - 32	-	26.27	1.68	-	8.72	93.31	-	76.64	39.42	43.42
27	X - 9411	-	7.17	1.57	15.15	-	81.08	-	68.67	12.90	50.94
28	PRO 368	-	-	21.21	11.87	-	56.21	-	46.99	26.12	12.79
29	PRO 369	-	3.19	-	13.80	-	-	-	16.07	7.92	-
CHECKS:											
30	PARKASH	-	-	-	-	-	-	-	-	-	-
31	X - 3342	-	18.28	13.81	-	-	43.38	-	17.16	6.52	-
32	KIRAN	-	-	-	-	-	20.61	-	-	-	-

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARKASH										OV'L MEAN	
		MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN			
1	J H - 31045	-	0.58	17.74	-	-	-	-	-	-	-	7.19	-
2	J C - 3287	-	-	18.42	0.61	-	-	9.44	9.99	-	-	9.99	-
3	J C - 3288	-	14.38	-	-	-	-	8.92	12.39	-	-	12.39	-
4	J C - 3289	-	6.80	-	-	-	-	-	-	-	-	-	-
5	E H - 1496	-	-	77.66	1.04	31.52	2.03	-	-	-	-	3.99	-
6	E H - 1497	-	-	66.08	-	28.77	-	-	-	-	-	-	-
7	E H - 1495	-	9.56	45.24	-	43.49	-	-	-	-	-	-	-
8	E H - 1506	-	13.09	72.16	-	-	-	-	-	-	-	-	-
9	I H Y - 0364	-	0.11	-	-	-	-	-	-	-	-	4.01	-
10	B V M - 10	-	8.63	-	-	-	-	18.22	20.37	-	-	20.37	2.15
11	B V M - 9 - 1	-	-	13.89	-	-	-	-	-	-	-	-	-
12	D - 131	-	22.00	20.06	-	-	-	-	5.34	-	-	5.34	-
13	F H - 3311	-	55.59	64.35	19.05	-	-	-	32.01	-	-	32.01	1.46
14	R - 2005 - 1	-	15.71	-	-	-	-	-	4.03	-	-	4.03	-
15	R - 2005 - 2	-	28.26	-	-	-	-	-	-	-	-	-	-
16	R - 2005 - 3	-	-	-	-	-	-	5.69	-	-	-	-	-
17	A H - 47192	-	23.56	3.22	3.95	-	-	5.94	7.10	-	-	7.10	-
18	A H - 48005	-	-	7.71	-	-	-	5.06	12.52	-	-	12.52	-
19	A H - 48011	-	-	-	-	-	-	7.83	28.85	-	-	28.85	5.35
20	U M H - 8	-	-	-	-	-	-	24.48	10.74	-	-	10.74	-
21	M H 05-5	-	-	-	-	-	-	36.40	30.06	-	-	30.06	15.44
22	V - 35	-	2.56	-	-	-	-	10.84	5.64	-	-	5.64	-
23	W H - 4	-	34.70	6.75	8.21	-	-	17.55	22.31	-	-	22.31	2.95
24	I V - 421	-	8.71	8.67	-	-	-	2.40	22.22	-	-	22.22	-
25	P A C - 712	-	45.95	51.80	18.83	-	-	-	36.97	-	-	36.97	1.01
26	M C H - 32	-	81.91	70.82	40.82	-	-	49.64	43.51	-	-	43.51	15.57
27	X - 9411	-	76.02	28.37	32.18	-	29.61	22.96	49.52	-	-	49.52	37.19
28	PRO 368	10.71	89.50	3.00	22.84	37.44	-	18.30	52.97	-	-	52.97	21.73
29	PRO 369	-	68.86	35.96	-	26.76	-	-	24.61	-	-	24.61	-
CHECKS:													
30	PARKASH	-	-	-	-	-	-	-	-	-	-	-	-
31	X - 3342	-	50.01	50.94	-	-	-	5.34	22.61	-	-	22.61	-
32	KIRAN	-	-	-	-	-	3.61	-	-	-	-	-	-

TABLE NO. 3 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE X - 3342										
SI NO	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	DELH	LUDH	KARN	KANP	ZN 2 MEAN	
1	J H C - 31045				1.71		5.17			
2	J J C - 3287	5.02			4.66		7.39	15.32		
3	J J C - 3288							0.45		
4	J J C - 3289				6.76		2.77	11.90		
5	J E H - 1496				21.45		18.22	10.67		
6	E H H - 1497				20.06		13.77	10.75		
7	E H H - 1495				8.63		15.11	9.22		
8	E H H - 1506				2.62			2.05		
9	I H H Y - 0364						0.41	23.56		
10	B V M - 10				9.53			2.37		
11	B V M - 9 - 1	0.02			11.98		8.00			
12	D - 131	1.69			19.56		16.06	4.72		
13	F H - 3311	17.63		6.85			28.96	9.98		
14	R R - 2005 - 1				5.43			18.60		
15	R R - 2005 - 2				3.95			14.18		
16	R R - 2005 - 3				6.38			9.45		
17	A H H - 47192				13.14		29.58			
18	A H H - 48005				17.57		2.98			
19	A H H - 48011				17.49		23.98			
20	U M H - 8				23.84					
21	M H 05-5				33.16		16.19		5.95	
22	V - 35	4.83			17.54			17.22	0.12	
23	W H - 4		5.18		12.07		3.62	6.63		
24	I V - 421				8.35		2.25	11.82		
25	P A C - 712				3.22		4.58	13.34		
26	M C H - 32						52.52	4.96	6.61	
27	X - 9411	11.02	0.38	4.46	7.23		34.21	12.04	5.81	
28	PRO 368	19.22		9.79	9.58		25.34	14.25	3.40	
29	PRO 369	10.23		0.19			20.45	20.74		
CHECKS:										
30	PARKASH				40.41		25.17		5.94	
31	X - 3342									
32	KIRAN				11.91		8.47	8.62		

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	MAND	GRAIN YIELD & SUPERIORITY OVER THE X - 3342							OV'L MEAN		
			COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI		ZN 5 MEAN	
1	J H C - 31045	93.90	-	-	15.08	14.88	-	-	-	-	-	-
2	J J C - 3287	65.42	-	-	5.22	42.64	3.89	-	-	-	10.45	-
3	J J C - 3288	82.61	-	-	-	12.69	3.40	-	-	-	0.46	-
4	J J C - 3289	99.35	-	-	-	13.74	-	-	-	-	-	-
5	J J C - 1496	135.75	-	17.70	5.66	116.92	-	-	-	-	16.03	-
6	J J C - 1497	92.97	-	10.02	-	112.40	-	-	-	-	-	-
7	J J C - 1495	91.76	-	-	3.50	136.68	-	-	-	-	7.02	-
8	J J C - 1506	61.63	-	14.06	-	55.53	-	-	-	-	-	-
9	J J C - 0364	96.31	-	-	-	-	-	-	-	-	-	-
10	J J C - 10	129.78	-	-	1.87	46.12	12.22	-	-	-	13.98	-
11	J J C - 9 - 1	112.47	-	-	-	-	-	-	-	-	-	-
12	J J C - 131	83.24	-	-	1.72	16.71	-	-	-	-	1.03	-
13	J J C - 3311	140.62	3.72	8.88	24.50	11.61	-	-	7.67	-	13.20	12.08
14	J J C - 2005 - 1	83.86	-	-	1.72	52.52	-	-	-	-	5.49	-
15	J J C - 2005 - 2	101.37	-	-	4.50	47.35	0.33	-	-	-	2.73	-
16	J J C - 2005 - 3	74.29	-	-	-	-	0.57	-	-	-	-	-
17	J J C - 47192	120.69	-	-	8.71	27.93	19.57	-	-	-	3.93	-
18	J J C - 48005	115.94	-	-	-	61.77	29.69	-	-	-	17.54	-
19	J J C - 48011	105.02	-	-	4.34	38.47	30.25	-	-	5.09	10.13	-
20	J J C - 8	89.09	-	-	10.38	121.42	19.30	-	-	6.08	28.80	8.52
21	J J C - 05-5	105.95	-	-	1.44	83.46	18.92	-	-	-	9.71	-
22	J J C - 35	79.46	-	3.85	-	-	7.38	-	-	-	-	-
23	J J C - 4	86.70	-	-	13.17	51.82	28.12	-	-	-	14.87	3.55
24	J J C - 421	92.28	-	-	-	43.67	20.90	-	-	-	9.73	-
25	J J C - 712	88.08	-	0.57	24.27	38.77	20.06	-	-	-	12.71	6.75
26	J J C - 32	150.94	21.26	13.16	47.26	62.88	22.91	-	-	11.72	28.95	25.17
27	J J C - 9411	110.17	17.33	-	38.23	126.69	106.50	-	-	17.05	53.07	24.64
28	J J C - PRO 368	181.48	26.32	-	28.47	109.07	32.58	-	-	21.95	35.83	15.72
29	J J C - PRO 369	85.54	12.56	-	4.11	-	38.58	-	-	24.77	2.40	-
CHECKS:												
30	PARKASH	154.25	-	-	4.58	64.94	59.33	-	-	-	11.58	3.27
31	X - 3342	-	-	-	-	-	-	-	-	-	-	-
32	KIRAN	89.87	-	-	-	-	65.09	-	-	-	-	-

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED					Zn 1 MEAN	DELH	LUDH	KARN	KARNP	Zn 2 MEAN	GORA BELI	VARA	DHOL	JASH	Zn 3 MEAN
		ALMO	BAJA	ALMO	DELH	LUDH											
1	J J C C	52.0	55.0	53.5	50.3	46.0	45.3	47.0	47.0	47.0	47.2	53.8	45.7	49.3	41.8	47.6	
2	J J C C	56.0	60.0	58.0	54.0	49.0	48.3	49.0	48.3	52.0	50.8	56.3	48.0	51.8	47.3	50.8	
3	J J C C	54.3	58.0	56.1	48.3	47.8	47.3	47.0	46.3	47.0	47.6	53.8	44.7	51.3	43.5	48.3	
4	J J C C	52.3	55.0	53.6	47.0	45.3	46.3	46.0	45.7	46.0	46.4	53.5	44.0	49.0	41.0	46.9	
5	K H H H	52.8	57.7	55.2	48.0	46.0	46.7	46.5	45.7	46.0	46.2	51.3	45.3	51.3	41.8	47.1	
6	K H H H	53.0	54.3	53.7	48.3	46.5	46.7	46.5	46.0	46.0	46.9	52.5	45.7	48.5	40.0	45.8	
7	E H H H	52.3	56.0	54.1	46.7	43.3	47.3	43.3	45.0	49.0	46.0	52.5	43.7	49.8	39.8	46.6	
8	E H H H	54.5	58.0	56.3	48.3	47.3	47.3	47.3	47.3	45.0	47.0	54.3	47.7	51.8	44.8	46.6	
9	I B V V	55.3	58.0	56.6	49.0	47.3	48.7	47.3	48.7	45.0	49.0	56.3	49.3	54.0	45.5	49.6	
10	B D P R	53.0	57.3	55.2	46.0	45.3	45.3	45.3	45.3	48.0	46.2	51.3	45.7	51.0	41.0	47.2	
11	B D P R	53.0	54.0	53.3	46.3	45.3	46.3	45.3	46.3	48.0	46.4	51.3	44.7	50.5	41.0	46.7	
12	R R R R	54.5	55.7	54.3	48.3	46.8	47.3	48.8	49.3	43.0	49.7	53.8	45.0	52.5	42.8	47.6	
13	R R R R	54.5	60.0	57.7	50.7	48.5	49.3	49.5	48.3	50.0	49.5	54.8	48.7	55.0	43.8	49.9	
14	R R R R	55.0	60.3	57.3	50.3	49.5	47.3	47.3	48.3	46.7	49.1	52.5	48.0	53.0	42.0	50.5	
15	R R R R	54.0	60.7	57.5	49.0	49.5	49.0	49.5	49.7	50.7	49.7	55.8	48.7	54.5	47.3	48.9	
16	R A H H	55.3	59.7	57.5	49.0	48.0	48.3	48.0	48.3	52.0	49.9	55.5	48.3	54.8	45.3	48.9	
17	A H H H	54.3	60.7	58.0	51.3	48.0	47.7	47.5	47.7	50.0	49.0	55.0	45.7	54.8	44.0	51.0	
18	A H H H	54.3	57.3	55.8	50.7	47.5	47.7	47.8	48.3	50.0	49.0	54.0	45.7	54.3	44.0	51.0	
19	A H H H	52.8	53.7	53.2	50.7	47.8	48.3	47.8	48.0	47.0	48.4	54.0	44.7	51.0	41.3	48.5	
20	A H H H	56.3	54.7	55.5	47.7	43.8	45.7	43.8	45.7	47.0	46.0	54.3	44.7	49.3	42.3	48.5	
21	M V H H	54.3	60.3	57.3	49.0	47.8	48.0	47.8	48.0	47.0	47.9	54.3	47.0	50.5	44.3	49.0	
22	W I V H	59.0	63.7	61.3	52.0	50.0	52.0	50.8	49.7	52.0	50.9	56.8	50.3	51.8	47.5	51.6	
23	W I V H	54.5	57.3	55.9	46.3	46.8	46.3	46.8	46.3	50.0	47.4	53.0	47.7	51.5	42.0	48.5	
24	I P A C	55.8	60.7	58.2	49.7	49.3	48.3	49.0	48.3	49.0	49.1	55.5	47.0	52.5	44.8	49.8	
25	P M C H	58.0	61.7	59.8	50.7	49.0	49.7	49.0	48.3	46.0	48.8	55.8	46.0	52.8	45.8	49.8	
26	X C H H	54.0	60.3	57.2	54.0	49.0	47.7	49.0	47.7	47.0	49.4	55.8	47.7	51.3	43.8	49.6	
27	X C H H	53.8	60.0	56.9	44.3	47.5	47.7	47.5	47.7	47.0	46.6	54.3	49.0	50.3	43.5	49.3	
28	PRO 368	52.8	53.7	53.2	48.7	46.3	45.7	46.3	45.7	47.0	46.9	50.0	45.0	49.8	43.5	46.8	
29	PRO 369	52.8	53.7	53.2	48.7	46.3	45.7	46.3	45.7	47.0	46.9	50.0	45.0	49.8	43.5	46.8	
CHECKS:																	
30	PARKASH	52.3	53.7	53.0	45.5	45.0	45.0	45.0	45.0	46.0	45.4	48.0	47.0	47.8	43.3	46.5	
31	X - 3342	53.0	54.0	53.5	49.7	45.8	47.0	45.8	47.0	44.0	46.6	49.8	45.3	50.8	41.0	46.7	
32	KIRAN	53.8	56.3	55.0	47.3	45.5	47.3	45.5	47.3	50.0	47.5	51.8	44.7	49.5	43.0	47.2	
MEAN LOCATION																	
C.D. AT 5% =																	
C.V. % =																	
F (Prob)																	

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN				SHED BANG ADVA	BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	KARI	ARBH	ARBH												
1	J J C	49.8	46.5	52.0	50.3	51.0	45.3	61.3	50.9	50.7	46.0	50.5	50.5	50.0	49.4	49.6	
2	J J C	49.8	50.8	56.5	53.8	52.0	44.5	66.7	53.5	53.3	49.8	49.5	49.5	51.0	52.1	52.7	
3	J J C	50.3	48.0	53.0	50.0	50.7	47.0	62.7	51.8	49.3	46.3	49.5	49.5	49.3	49.3	50.3	
4	J J C	50.0	47.8	52.0	51.0	49.0	46.5	61.0	51.1	50.3	46.3	51.5	51.5	49.3	49.4	49.1	
5	J J C	50.0	48.0	52.5	49.3	48.7	46.8	56.3	50.4	48.3	45.3	44.5	44.5	49.3	46.8	47.9	
6	J J C	50.0	47.3	52.0	50.3	46.3	45.0	56.0	49.4	46.7	41.5	43.5	43.5	49.0	46.2	47.5	
7	J J C	49.5	47.5	52.0	49.5	47.0	45.3	56.7	49.1	47.3	46.5	43.5	43.5	48.5	46.5	48.3	
8	J J C	51.3	50.5	54.0	51.8	49.7	47.0	63.3	52.5	51.0	47.5	52.0	52.0	54.0	51.1	51.1	
9	J J C	50.3	50.3	54.5	52.3	51.3	50.5	66.7	53.8	52.3	49.3	50.5	50.5	54.0	51.5	52.3	
10	J J C	51.3	47.3	53.0	50.5	48.3	46.8	62.0	51.6	49.0	40.3	49.3	49.3	51.0	47.8	49.3	
11	J J C	49.8	48.0	54.5	50.3	49.0	47.3	64.0	51.4	49.0	42.0	46.5	46.5	50.5	47.0	49.5	
12	J J C	51.0	47.8	54.5	49.5	51.0	48.8	66.7	52.8	49.0	50.3	51.8	51.8	55.5	52.5	52.1	
13	J J C	50.5	49.0	55.0	51.3	51.0	48.3	66.7	53.8	51.3	49.5	50.5	50.5	54.5	52.0	52.9	
14	J J C	50.3	48.8	55.5	52.0	48.3	48.8	63.7	52.6	51.7	48.0	50.8	50.8	51.8	52.0	52.6	
15	J J C	51.5	47.3	56.5	53.5	51.0	48.3	65.7	52.3	51.7	49.5	50.8	50.8	56.5	52.0	52.9	
16	J J C	50.0	50.5	54.0	51.8	51.3	48.8	66.7	53.8	51.3	49.8	51.5	51.5	54.5	51.1	52.5	
17	J J C	51.0	48.5	55.0	52.3	51.7	47.5	66.7	52.9	51.7	49.8	50.8	50.8	52.8	51.2	52.5	
18	J J C	51.0	48.5	53.5	51.0	51.0	47.5	66.7	53.8	51.7	49.8	51.5	51.5	51.8	51.0	52.8	
19	J J C	50.8	48.5	53.5	51.0	50.7	46.5	66.7	52.3	51.7	49.8	50.8	50.8	51.8	51.0	52.8	
20	J J C	50.8	48.5	53.5	51.0	51.0	47.5	66.7	53.8	51.7	49.8	51.5	51.5	51.8	51.0	52.8	
21	J J C	50.8	48.5	53.5	51.0	51.0	47.5	66.7	52.3	51.7	49.8	51.5	51.5	51.8	51.0	52.8	
22	J J C	50.5	49.0	56.5	53.5	51.0	48.8	66.7	54.8	51.3	46.8	49.5	49.5	53.0	49.9	53.8	
23	J J C	51.0	53.3	53.5	51.8	50.0	48.0	63.7	52.5	49.7	46.8	51.5	51.5	51.0	51.2	52.0	
24	J J C	49.8	51.0	54.0	51.8	52.0	48.3	66.7	53.3	50.7	50.5	48.8	48.8	57.0	53.0	52.9	
25	J J C	50.3	52.0	56.5	53.8	53.3	47.8	67.3	54.5	52.3	53.8	50.5	50.5	54.0	53.0	52.9	
26	J J C	51.0	50.3	56.5	53.8	53.3	47.8	67.3	54.5	52.3	53.8	50.5	50.5	54.0	53.0	52.9	
27	J J C	51.0	50.3	56.5	53.8	53.3	47.8	67.3	54.5	52.3	53.8	50.5	50.5	54.0	53.0	52.9	
28	J J C	52.0	48.5	54.0	49.5	49.7	48.0	64.3	52.0	51.0	47.5	49.5	49.5	52.3	48.8	49.4	
29	J J C	50.0	47.8	52.5	49.0	48.0	47.3	64.3	51.1	48.3	43.0	49.5	49.5	52.5	48.3	49.3	
30	J J C	51.0	47.0	53.5	50.8	51.3	46.3	61.0	51.6	50.0	49.5	50.0	50.0	51.5	50.3	49.4	
31	J J C	50.5	46.0	50.5	49.3	50.7	45.3	62.0	50.7	49.0	41.8	51.5	51.5	49.3	47.9	49.0	
32	J J C	50.5	47.8	55.0	50.8	51.0	45.8	61.0	50.7	49.0	47.8	50.5	50.5	50.8	49.8	50.1	
	J J C	50.5	48.8	53.7	51.1	50.3	47.3	63.5	52.2	50.4	47.0	49.6	49.6	52.4	49.8	50.6	
	J J C	1.6	2.2	2.1	1.8	2.9	1.1	0.8	1.7	1.7	1.6	0.8	0.8	1.9	1.5	-	
	J J C	2.2	3.2	2.0	2.5	3.5	1.6	0.8	2.0	2.0	2.5	1.2	1.2	2.6	-	-	
	J J C	.196	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	J J C	51.0	47.0	53.5	50.8	51.3	46.3	61.0	51.6	50.0	49.5	50.0	50.0	51.5	50.3	49.4	
	J J C	50.5	46.0	50.5	49.3	50.7	45.3	62.0	50.7	49.0	41.8	51.5	51.5	49.3	47.9	49.0	
	J J C	50.5	47.8	55.0	50.8	51.0	45.8	61.0	50.7	49.0	47.8	50.5	50.5	50.8	49.8	50.1	
	J J C	50.5	48.8	53.7	51.1	50.3	47.3	63.5	52.2	50.4	47.0	49.6	49.6	52.4	49.8	50.6	
	J J C	1.6	2.2	2.1	1.8	2.9	1.1	0.8	1.7	1.7	1.6	0.8	0.8	1.9	1.5	-	
	J J C	2.2	3.2	2.0	2.5	3.5	1.6	0.8	2.0	2.0	2.5	1.2	1.2	2.6	-	-	
	J J C	.196	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	J J C	51.0	47.0	53.5	50.8	51.3	46.3	61.0	51.6	50.0	49.5	50.0	50.0	51.5	50.3	49.4	
	J J C	50.5	46.0	50.5	49.3	50.7	45.3	62.0	50.7	49.0	41.8	51.5	51.5	49.3	47.9	49.0	
	J J C	50.5	47.8	55.0	50.8	51.0	45.8	61.0	50.7	49.0	47.8	50.5	50.5	50.8	49.8	50.1	
	J J C	50.5	48.8	53.7	51.1	50.3	47.3	63.5	52.2	50.4	47.0	49.6	49.6	52.4	49.8	50.6	
	J J C	1.6	2.2	2.1	1.8	2.9	1.1	0.8	1.7	1.7	1.6	0.8	0.8	1.9	1.5	-	
	J J C	2.2	3.2	2.0	2.5	3.5	1.6	0.8	2.0	2.0	2.5	1.2	1.2	2.6	-	-	
	J J C	.196	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	-	-	

CHECKS:
 PARKASH
 X - 3342
 KIRAN
 MEAN LOCATION
 C.D. AT 5%=
 C.V. % =
 F (Prob)

TABLE NO. 3 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% SILKING			ZN 1			ZN 2			GORA BELI			VARA	DHOL	JASH	ZN 3 MEAN
		ALMO	BAJA	MEAN	DELH	LUDH	KARN	KANP	MEAN	BELI	VARA	DHOL	JASH				
1	J J C	53.3	57.7	55.5	54.0	46.5	47.7	52.0	50.0	56.0	50.0	52.5	50.0	52.5	45.5	51.0	
2	J J C	57.0	63.0	60.0	57.3	49.0	51.0	56.3	53.5	58.8	50.6	55.5	50.0	55.5	50.5	54.1	
3	J J C	55.8	60.7	58.8	52.0	49.0	50.0	51.3	50.7	55.5	49.0	54.3	49.0	54.3	46.5	51.4	
4	J J C	53.5	58.0	57.0	49.3	47.5	48.3	53.7	50.7	55.5	49.4	53.8	50.0	54.8	44.8	50.5	
5	J J C	54.0	60.3	57.8	52.0	47.8	48.7	50.7	49.9	53.0	49.7	53.0	49.0	53.0	43.0	49.6	
6	J J C	54.5	57.0	55.8	49.0	44.8	47.3	53.3	48.7	54.8	48.7	53.8	50.0	44.3	44.3	50.3	
7	J J C	53.3	60.7	58.1	52.7	47.8	50.7	49.7	48.7	56.0	49.9	55.3	48.0	44.3	47.5	52.3	
8	J J C	55.5	60.3	58.4	51.7	48.3	48.3	51.0	51.6	52.3	49.1	55.0	50.0	44.8	44.8	54.4	
9	J J C	56.5	60.0	57.0	47.3	46.8	48.3	52.0	48.6	53.3	49.1	53.5	48.0	44.3	44.3	54.8	
10	J J C	54.0	56.7	55.3	47.7	46.8	48.3	47.0	48.3	55.8	49.1	53.3	51.0	44.3	44.3	49.8	
11	J J C	54.0	58.3	56.2	52.7	47.5	49.3	47.3	49.2	55.5	48.7	52.8	50.0	46.3	46.3	51.1	
12	J J C	55.8	62.0	59.5	55.0	49.5	51.3	54.3	52.7	56.8	49.2	55.8	50.0	46.3	46.3	52.5	
13	J J C	56.0	63.3	59.3	53.7	48.0	50.7	51.7	49.9	55.0	49.9	55.3	52.0	45.8	45.8	52.1	
14	J J C	55.3	62.0	59.4	49.7	48.0	51.7	54.7	52.6	57.5	49.5	56.8	50.0	45.8	45.8	52.4	
15	J J C	56.8	63.3	59.9	53.0	48.5	50.7	56.7	52.9	57.5	49.5	57.5	55.0	47.3	47.3	53.7	
16	J J C	56.5	60.3	59.8	56.0	48.3	49.7	54.7	51.9	56.0	51.9	57.0	51.0	44.0	44.0	53.5	
17	J J C	53.8	57.0	57.4	55.0	45.3	47.3	51.3	51.5	56.8	48.8	55.8	49.0	45.3	45.3	52.7	
18	J J C	55.3	62.0	59.9	55.0	48.3	50.7	54.7	52.9	57.5	49.5	57.5	55.0	47.3	47.3	53.7	
19	J J C	56.5	60.3	59.8	53.7	48.0	51.7	54.7	51.9	56.0	49.9	57.0	51.0	44.0	44.0	53.5	
20	J J C	53.8	57.0	57.4	55.0	45.3	47.3	51.3	51.5	56.8	48.8	55.8	49.0	45.3	45.3	52.7	
21	J J C	55.8	62.0	59.9	55.0	48.3	50.7	54.7	52.9	57.5	49.5	57.5	55.0	47.3	47.3	53.7	
22	J J C	57.0	65.7	63.2	56.0	47.5	48.3	56.0	53.6	59.1	50.8	58.8	50.0	45.8	45.8	55.0	
23	J J C	55.5	60.0	59.8	55.0	47.5	48.3	56.0	53.6	59.1	50.8	58.8	50.0	45.8	45.8	55.0	
24	J J C	56.0	63.0	61.5	55.0	49.8	51.3	54.3	52.0	58.5	50.1	58.0	50.0	47.0	47.0	52.8	
25	J J C	59.0	64.0	61.5	55.0	49.8	51.3	54.3	52.0	58.5	50.1	58.0	50.0	47.0	47.0	52.8	
26	J J C	55.3	63.3	59.8	57.5	49.0	49.7	53.0	51.0	56.0	49.9	55.0	50.0	48.0	48.0	52.9	
27	J J C	55.3	62.3	59.8	57.5	49.0	49.7	53.0	51.0	56.0	49.9	55.0	50.0	48.0	48.0	52.9	
28	J J C	55.3	62.3	59.8	48.0	48.0	49.7	51.0	49.2	56.5	52.0	58.0	50.0	47.3	47.3	52.4	
29	J J C	53.8	56.7	55.2	51.7	47.3	48.3	52.0	49.8	52.0	49.2	54.0	50.0	46.0	46.0	50.3	
30	J J C	53.3	57.0	55.1	49.0	44.8	47.0	51.0	47.9	50.3	47.9	51.5	50.3	45.8	45.8	49.5	
31	J J C	54.0	56.7	55.3	53.3	46.3	49.3	52.3	50.3	52.0	49.3	54.5	49.3	44.5	44.5	50.6	
32	J J C	54.8	59.0	56.9	51.3	47.0	49.3	54.3	50.5	54.3	50.7	53.3	48.7	46.3	46.3	50.6	
33	J J C	55.3	60.3	57.8	52.6	47.9	49.6	52.6	50.7	55.6	50.9	54.6	50.9	46.4	46.4	51.9	
34	J J C	1.0	1.6	1.3	4.6	1.4	0.9	2.0	2.2	1.1	1.1	1.8	2.1	2.4	2.4	1.9	
35	J J C	1.3	1.6	1.3	5.4	2.2	1.1	2.4	1.1	1.1	1.1	2.0	2.0	3.00	3.00	1.9	
36	J J C	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.9	
37	J J C	53.3	57.0	55.1	49.0	44.8	47.0	51.0	47.9	50.3	47.9	51.5	50.3	45.8	45.8	49.5	
38	J J C	54.0	56.7	55.3	53.3	46.3	49.3	52.3	50.3	52.0	49.3	54.5	49.3	44.5	44.5	50.6	
39	J J C	54.8	59.0	56.9	51.3	47.0	49.3	54.3	50.5	54.3	50.7	53.3	48.7	46.3	46.3	50.6	
40	J J C	55.3	60.3	57.8	52.6	47.9	49.6	52.6	50.7	55.6	50.9	54.6	50.9	46.4	46.4	51.9	
41	J J C	1.0	1.6	1.3	4.6	1.4	0.9	2.0	2.2	1.1	1.1	1.8	2.1	2.4	2.4	1.9	
42	J J C	1.3	1.6	1.3	5.4	2.2	1.1	2.4	1.1	1.1	1.1	2.0	2.0	3.00	3.00	1.9	
43	J J C	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.9	

CHECKS:
 30 PARKASH
 31 X - 3342
 32 KIRAN
 MEAN LOCATION
 C.D. AT 5% =
 C.V. % =
 P (Prob)

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	DAYS TO 50%		DRY HUSK		KARN	KAMP	ZN 2 MEAN	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
		ALMO	BAJA	ZN 1 MEAN	LUDH								
1	J J C C	97.5	94.0	95.8	80.3	80.3	75.0	78.5	81.3	82.3	82.8	82.5	82.2
2	J J C C	103.3	98.0	100.6	81.3	85.0	76.0	81.4	82.3	84.0	83.5	86.0	83.9
3	J J C C	97.8	96.0	96.9	82.8	82.7	78.0	80.5	81.8	82.3	83.8	83.3	82.8
4	J J C H	98.8	94.0	96.4	77.8	81.7	77.0	78.8	80.3	81.3	81.5	82.5	81.4
5	J J E H	97.8	92.0	94.9	77.3	82.3	76.0	78.5	80.3	79.3	79.8	80.8	80.0
6	J J E H	99.0	94.0	96.5	78.5	81.0	74.0	77.8	81.5	78.3	81.3	77.8	79.9
7	J J E H	98.8	93.3	96.0	79.3	81.7	78.0	79.6	81.5	78.0	77.3	77.3	79.3
8	J J E H	96.8	94.0	95.4	76.0	82.7	77.0	76.7	80.5	78.0	79.3	78.3	79.0
9	J I B V	98.5	94.0	96.3	80.3	87.0	74.0	80.4	83.3	82.7	82.8	83.8	82.7
10	J B D H	98.0	92.0	95.0	80.3	87.0	74.0	80.4	83.3	85.0	85.8	83.3	84.3
11	J B D H	96.8	94.0	95.4	77.3	80.7	81.7	79.9	79.5	80.0	80.3	81.0	80.2
12	J B D H	96.0	92.0	95.0	78.8	81.3	72.0	77.1	79.5	81.3	80.5	80.3	80.4
13	J B D H	96.5	92.0	94.3	81.5	83.7	73.3	78.9	81.0	79.7	79.0	81.8	83.1
14	J B D H	98.5	101.0	99.8	81.8	87.0	76.0	81.6	82.3	84.3	84.3	84.0	83.7
15	J B D H	98.3	104.0	101.1	81.8	87.0	74.0	78.8	82.0	82.7	82.5	82.8	82.5
16	J B D H	100.0	98.0	99.6	82.5	84.3	78.0	81.6	82.5	84.3	85.0	85.0	85.3
17	J B D H	101.3	105.0	103.1	84.8	87.3	76.0	82.7	83.0	88.3	86.5	85.3	85.6
18	J B D H	99.3	93.3	96.3	81.3	86.7	73.0	80.3	81.8	83.0	86.8	83.0	83.3
19	J B D H	97.3	94.0	95.6	82.3	86.7	78.0	82.3	81.5	84.7	82.8	82.8	82.9
20	J B D H	98.0	94.0	96.0	76.5	81.0	81.0	79.5	80.8	77.7	80.3	81.5	79.9
21	J B D H	100.3	104.0	102.1	81.5	86.3	80.0	82.6	81.8	81.7	83.8	83.5	82.7
22	J B D H	102.5	101.0	101.8	83.8	86.7	80.0	83.4	82.5	87.3	84.8	84.8	84.8
23	J B D H	97.3	97.3	97.3	77.8	87.0	77.7	78.1	82.5	83.7	82.8	81.5	82.4
24	J B D H	101.3	98.0	99.6	77.8	87.0	77.7	80.8	80.0	83.3	82.5	83.8	82.6
25	J B D H	102.8	98.0	100.4	82.3	88.0	76.0	82.1	83.0	82.3	82.8	85.3	83.3
26	J B D H	100.3	98.0	99.1	82.3	83.0	81.0	82.0	83.0	82.3	82.3	84.0	84.1
27	J B D H	99.8	98.0	98.9	79.5	83.3	82.0	81.6	82.8	87.3	80.5	81.3	81.3
28	J B D H	97.8	94.0	95.9	76.0	81.0	81.0	79.3	81.8	77.0	78.8	80.3	78.8
29	J B D H	97.8	94.0	95.9	76.0	81.0	81.0	79.3	81.8	77.0	78.8	80.3	78.8
30	J B D H	97.3	92.0	94.6	81.0	80.0	78.0	79.7	81.0	82.7	82.0	83.8	82.4
31	J B D H	97.3	92.0	94.6	78.5	83.3	75.0	78.5	80.3	78.7	81.3	80.8	80.2
32	J B D H	96.8	94.0	95.4	76.5	83.3	80.0	79.9	81.8	82.0	80.8	82.5	80.9
MEAN		98.8	95.1	97.5	79.8	83.6	77.0	80.1	81.5	82.0	82.2	82.3	82.0
C.D. AT 5%		1.8	0.6	1.2	3.0	1.7	2.3	2.3	1.2	3.2	2.2	2.2	2.2
C.V. %		1.3	0.4	1.2	2.7	1.3	1.8	2.9	1.0	2.4	1.9	1.9	2.2
F (Prob)		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

CHECKS:
 PARKASH
 X - 3342
 KIRAN
 MEAN LOCATION
 C.D. AT 5% =
 C.V. % =
 F (Prob)

TABLE NO. 3 (CONT.)

SL NO	PEDIGREE	MOISTURE %		AT HARVEST		GORA BELI	VARA	JASH	ZN 3 MEAN	HYDE	ARBH
		ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH						
1	JH	32.4	21.0	26.7	21.5	21.0	30.3	17.3	22.9	18.3	20.0
2	JH	35.0	23.3	29.2	21.8	22.3	34.5	17.4	24.8	19.4	27.5
3	JH	31.0	20.8	25.9	21.9	23.0	32.1	16.7	23.5	20.0	18.9
4	JH	30.7	19.4	24.1	21.4	21.5	29.3	17.9	23.2	20.4	18.7
5	JH	37.8	20.5	24.1	21.5	21.8	31.6	17.9	22.7	17.9	21.4
6	JH	31.1	20.0	26.4	21.4	22.1	30.4	16.0	22.9	19.0	18.0
7	JH	32.2	21.4	25.5	21.4	22.9	30.0	19.3	23.3	21.0	20.1
8	JH	29.5	21.4	25.7	21.5	22.0	30.4	16.8	23.0	20.8	22.4
9	JH	32.0	22.1	26.4	21.8	23.0	36.1	16.5	25.0	20.8	22.6
10	JH	28.3	21.0	24.6	21.4	23.5	32.7	16.9	24.2	20.7	19.6
11	JH	29.8	21.5	25.7	21.4	21.5	32.2	16.0	23.2	20.7	23.4
12	JH	32.0	22.2	27.1	21.4	23.0	29.1	16.6	22.9	18.3	23.3
13	JH	32.5	22.7	27.2	21.3	23.6	34.0	16.0	23.3	18.0	23.9
14	JH	33.8	22.9	28.5	21.9	23.0	35.0	17.3	25.1	21.5	23.0
15	JH	32.8	22.1	26.8	21.5	22.2	31.7	16.8	23.9	19.4	23.6
16	JH	35.8	21.8	28.9	21.9	22.1	36.5	15.5	24.9	21.0	26.1
17	JH	32.3	23.5	27.8	22.0	22.9	35.7	16.7	25.0	21.8	24.9
18	JH	31.6	23.0	27.7	22.3	21.5	36.2	16.0	24.9	19.1	27.6
19	JH	33.5	21.6	27.7	21.8	21.0	36.9	15.4	24.9	18.3	27.3
20	JH	29.7	21.0	25.0	21.3	23.0	29.6	15.7	22.8	19.3	20.7
21	JH	32.0	21.8	26.5	21.8	23.4	37.3	17.1	22.9	19.3	20.7
22	JH	35.2	22.8	29.0	21.3	21.6	37.9	16.8	25.8	20.1	27.8
23	JH	32.3	22.1	26.6	21.3	21.5	31.5	17.1	23.4	18.3	24.8
24	JH	34.7	22.1	28.4	21.3	21.4	32.9	17.5	24.3	20.3	26.2
25	JH	32.7	21.2	26.9	21.8	22.7	36.8	17.5	26.0	20.2	26.5
26	JH	35.6	22.5	29.0	21.9	23.7	36.8	17.2	26.6	20.4	27.5
27	JH	31.6	22.4	27.0	21.9	21.6	32.0	17.2	23.6	17.4	27.2
28	JH	30.4	20.3	25.4	21.3	22.7	27.8	16.3	22.3	19.9	19.6
29	JH	29.7	20.7	25.2	21.5	22.2	31.5	17.0	23.6	20.0	19.9
30	JH	30.8	21.0	25.9	21.5	22.4	32.8	16.8	23.9	22.1	21.9
31	JH	38.3	20.5	24.7	21.2	21.1	27.4	16.6	21.9	19.7	21.3
32	JH	31.8	21.5	26.7	21.7	22.2	32.4	16.8	23.8	20.0	22.4
		3.2	1.5	2.4	0.3	0.7	0.8	0.5	0.7	1.4	4.2
		7.2	4.3	-	0.9	2.3	1.5	2.2	-	4.8	9.2
		.000	.000	-	.000	.000	.000	.000	-	.000	.000

Y - 0364
 M - 10
 M - 9 - 1
 131 3311 1
 2005 - 2
 2005 - 3
 47192
 48005
 48011
 H - 8
 H - 5
 H - 4
 H - 35
 H - 421
 A C - 712
 C H - 32
 9411
 368
 369
 CHECKS:
 PARKASH
 X - 3342
 KIRAN LOCATION
 MEAN LOCATION
 C.D. AT 5%
 C.V. %
 F (Prob)

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	PLANT ASPECT *											
		ALMO	BAJA	ZN 1 MEAN	ZN 2 KANP	GORA BELI	DHOL	JASH	ZN 3 MEAN	HYDE	KARI		
1	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	5.0	3.0	2.6	2.3	9.6	2.3
2	J J C C	2.7	2.2	2.6	3.0	2.4	2.3	3.0	3.0	2.3	2.3	2.2	2.3
3	J J C C	2.7	2.2	2.6	3.0	2.4	2.3	3.0	3.0	2.3	2.3	2.2	2.3
4	J J C C	2.6	2.2	2.4	2.0	2.5	2.3	3.6	3.0	2.8	2.2	2.6	2.5
5	J J C C	2.5	2.2	2.4	3.0	2.5	2.3	1.8	3.0	2.8	2.2	2.0	2.8
6	J J C C	2.8	2.2	2.5	3.0	2.8	2.3	3.0	3.0	2.5	2.2	2.0	2.5
7	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.9	2.2	2.5	2.5
8	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	1.6	2.2	2.9	2.5
9	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	1.7	2.2	2.9	2.5
10	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.6	2.2	2.8	2.5
11	J J C C	2.4	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
12	J J C C	2.4	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.5	2.2	2.8	2.5
13	J J C C	2.6	2.2	2.5	3.0	2.8	2.3	3.0	3.0	2.5	2.2	2.8	2.5
14	J J C C	2.7	2.2	2.5	3.0	2.8	2.3	3.0	3.0	2.5	2.2	2.8	2.5
15	J J C C	2.7	2.2	2.5	3.0	2.8	2.3	3.0	3.0	2.5	2.2	2.8	2.5
16	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
17	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
18	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
19	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
20	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
21	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
22	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
23	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
24	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
25	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
26	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
27	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
28	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
29	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
30	J J C C	2.6	2.2	2.5	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
31	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
32	J J C C	2.7	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
	J J C C	2.5	2.2	2.4	3.0	2.4	2.3	3.0	3.0	2.7	2.2	2.8	2.5
	J J C C	0.1	0.4	0.3	0.3	0.4	0.7	0.4	0.4	0.5	0.4	0.4	0.9
	J J C C	4.1	9.9	-	6.4	11.5	17.9	11.5	11.5	-	11.5	11.5	23.0
	J J C C	.000	.000	-	.000	.000	.113	.000	.000	-	.219	.450	

CHECKS:
 30 PARKASH
 31 X - 3342
 32 KIRAN
 MEAN LOCATION
 C.D. AT 5% =
 C.V. % =
 F (Prob)

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	PLANT ASPECT *										OV'L MEAN	
		ARBH	BANG ADVA	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN		
1	JHC	2.5	2.2	2.7	2.2	2.5	3.0	1.9	2.0	1.5	2.2	1.3	2.4
2	JJC	2.8	2.5	2.3	1.8	3.4	2.4	2.4	3.5	1.0	2.2	2.2	2.4
3	JCH	3.0	2.5	2.7	2.3	4.7	2.9	2.1	3.0	2.0	2.2	2.5	2.7
4	JEH	2.5	2.3	3.0	1.7	6.7	2.0	2.3	3.0	0.8	2.2	2.3	2.5
5	EH	2.8	2.3	3.0	1.8	7.8	1.9	2.2	3.0	0.8	2.2	2.6	2.6
6	EH	2.8	2.3	3.0	1.7	6.6	2.5	2.2	3.0	0.8	2.2	2.6	2.6
7	EH	2.8	2.3	3.0	1.8	6.5	2.0	2.2	3.0	0.8	2.2	2.5	2.5
8	IHV	2.8	2.3	3.0	1.7	5.4	2.5	2.2	3.0	0.8	2.2	2.5	2.5
9	Y - 10	2.8	2.3	3.0	1.7	4.5	2.2	2.2	3.0	0.8	2.2	2.4	2.4
10	BM - 9	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.3	2.3
11	BD	2.5	2.0	2.7	1.7	3.7	2.2	2.2	3.0	0.8	2.2	2.3	2.3
12	DF	2.8	2.3	3.0	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
13	RR	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
14	RR	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
15	RR	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
16	RA	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
17	AH	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
18	AH	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
19	AH	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
20	UM	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
21	UM	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
22	VH	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
23	WH	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
24	IV	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
25	IA	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
26	PC	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
27	MX	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
28	PRO 368	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
29	PRO 369	2.5	2.0	2.7	1.7	4.3	2.2	2.2	3.0	0.8	2.2	2.6	2.6
30	CHECKS:	2.8	2.3	3.0	1.8	5.5	2.4	2.0	5.5	1.3	2.2	1.9	2.4
31	PARKASH	2.3	2.8	2.3	1.8	4.7	2.8	2.0	5.5	1.3	2.2	1.9	2.3
32	X - 3342	3.0	2.5	2.5	2.0	7.5	2.3	2.1	5.5	2.0	2.2	1.4	2.8
MEAN LOCATION		2.5	2.0	2.8	1.8	5.5	2.3	2.1	5.5	1.3	2.2	1.4	2.4
C.D. AT 5%		0.8	1.1	0.8	0.6	1.3	0.5	0.4	0.5	0.3	0.4	0.4	-
C.V. %		14.9	31.3	20.3	17.3	12.1	15.2	15.2	14.8	13.7	13.7	13.7	-
F (Prob)		.549	.169	.372	.001	.000	.020	.020	.000	.000	.000	.000	-

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	EAR ASPECT *										OV'L MEAN
		ARBH	BANG ADVA	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	JH	2.8	2.0	2.0	2.7	2.3	3.7	2.0	2.0	1.6	2.3	2.5
2	JJ	2.5	2.3	2.2	2.7	2.4	2.8	0.6	3.0	1.5	2.2	2.5
3	CC	3.0	3.0	2.0	2.7	2.5	2.7	2.0	3.3	1.1	2.2	2.5
4	JJ	3.0	2.0	2.7	2.2	2.5	2.2	2.0	2.2	1.1	2.2	2.5
5	EE	3.0	2.0	2.0	2.5	2.3	2.8	0.3	1.8	1.5	2.2	2.6
6	EE	3.0	2.0	2.3	2.8	2.7	2.8	0.4	2.3	1.6	2.2	2.7
7	EE	3.0	2.0	3.0	2.8	2.7	2.8	1.1	1.9	1.1	2.2	2.7
8	EE	3.0	2.0	2.2	2.8	2.5	2.8	2.1	1.9	1.1	2.2	2.7
9	IY	2.8	2.5	2.3	2.8	2.5	2.8	1.6	1.1	1.5	2.2	2.8
10	IB	3.0	2.5	2.3	2.7	2.8	2.8	2.9	3.3	1.5	2.2	2.8
11	BB	3.0	2.5	2.3	2.8	2.5	2.8	1.9	3.3	1.5	2.2	2.8
12	DD	2.8	2.0	2.0	2.5	2.5	2.5	1.2	2.9	1.1	2.2	2.8
13	FR	2.5	2.0	2.7	2.0	2.2	2.5	1.0	2.9	1.1	2.2	2.8
14	RR	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
15	RR	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
16	RR	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
17	AA	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
18	AA	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
19	AA	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
20	UM	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
21	UM	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
22	VI	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
23	WI	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
24	WV	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
25	PA	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
26	PC	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
27	XC	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
28	PRO	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
29	PRO	2.5	2.0	2.7	2.0	2.2	2.5	1.1	2.9	1.1	2.2	2.8
	CHECKS:											
30	PARKASH	2.3	1.8	1.3	2.5	2.0	2.9	2.0	2.3	1.5	2.3	2.3
31	X - 3342	3.0	1.5	2.3	2.7	2.5	2.7	1.9	2.3	1.6	2.2	2.7
32	KIRAN	2.6	2.0	2.0	2.4	2.4	2.4	2.1	3.9	1.4	2.2	2.5
	MEAN LOCATION											
	C.D. AT 5%	0.7	0.9	1.0	0.7	0.8	0.6	0.6	0.6	0.4	0.5	-
	C.V. %	12.4	32.6	30.4	19.0	-	14.7	18.4	14.8	20.2	-	-
	F (Prob)	.035	.027	.183	.416	-	.000	.014	.000	.012	-	-

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	HUSK COVER *	BANG ADVA	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
1	JH		2.5	2.7	2.0	3	1.8	2.0	0.0	1.9	2.3
2	JH		2.5	2.0	2.0	1	1.6	2.2	1.8	1.8	2.2
3	JH		2.3	2.3	1.8	3	2.0	2.2	1.8	2.0	2.3
4	JH		2.5	2.7	2.0	4	1.6	2.2	1.8	1.9	2.3
5	JH		2.5	3.0	1.8	4	1.9	2.2	1.8	2.0	2.3
6	JH		3.0	2.3	1.8	5	1.8	2.2	1.5	2.0	2.2
7	JH		2.8	3.0	1.8	2	1.7	2.2	1.5	2.0	2.3
8	JH		3.5	2.3	1.8	5	1.7	2.2	1.5	2.0	2.4
9	JH		2.0	3.0	1.8	2	1.8	2.2	1.5	2.0	2.3
10	JH		3.3	2.7	1.8	4	1.7	2.2	1.5	2.0	2.4
11	JH		2.0	2.0	1.8	2	1.8	2.2	1.5	2.0	2.3
12	JH		2.8	3.0	1.8	5	1.7	2.2	1.5	2.0	2.3
13	JH		2.3	2.7	1.8	3	1.7	2.2	1.5	2.0	2.2
14	JH		2.3	2.0	1.8	3	1.7	2.2	1.5	2.0	2.2
15	JH		2.5	2.7	1.8	3	1.9	2.2	1.5	2.0	2.2
16	JH		2.3	3.0	1.8	4	1.9	2.2	1.5	2.0	2.2
17	JH		2.0	2.7	1.8	3	1.9	2.2	1.5	2.0	2.2
18	JH		2.3	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
19	JH		2.3	2.7	1.8	3	1.9	2.2	1.5	2.0	2.2
20	JH		2.5	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
21	JH		2.8	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
22	JH		2.0	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
23	JH		2.0	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
24	JH		2.3	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
25	JH		2.8	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
26	JH		2.0	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
27	JH		2.3	3.0	1.8	3	1.9	2.2	1.5	2.0	2.2
28	JH		1.8	3.0	1.8	2	1.9	2.2	1.5	2.0	2.2
29	JH		2.3	3.0	1.8	2	1.9	2.2	1.5	2.0	2.2
30	JH		2.3	2.7	2.0	2	3	1.9	1.5	1.9	2.2
31	JH		2.5	2.7	1.8	3	1.8	2.1	1.8	1.9	2.2
32	JH		2.4	2.6	2.0	3	1.8	2.1	1.5	1.8	2.2
			1.0	0.7	0.5	0.7	0.3	0.4	0.3	0.4	-
			30.4	17.5	15.8	14.0	10.6	14.0	16.0	16.0	-
			.329	.010	.244	.135	.004	.135	.000	.000	-

CHECKS:
 PARKASH
 X - 3342
 KIRAN
 MEAN LOCATION
 C.D. AT 5%=
 C.V. %
 F (Prob)

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	ARBH	BANG ADVA	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H - 31045	2.8	2.3	2.7	2.0	2.4	2.6	2.0	2.0	1.0	1.9	2.3
2	J J C - 3287	2.5	1.8	2.7	2.3	2.4	2.0	3.0	3.0	1.1	2.2	2.5
3	J J C - 3288	2.5	1.8	2.7	2.3	2.4	2.0	3.0	3.0	1.1	2.2	2.6
4	J J C - 3289	3.0	2.0	3.0	1.8	2.6	1.8	3.0	3.0	1.1	2.2	2.5
5	J J C - 1496	2.5	2.3	2.7	2.0	2.5	2.0	3.0	3.0	1.1	2.2	2.5
6	J J C - 1497	2.5	2.3	2.7	2.0	2.6	2.0	3.0	3.0	1.1	2.2	2.6
7	J J C - 1495	2.5	2.3	2.7	2.0	2.5	2.0	3.0	3.0	1.1	2.2	2.5
8	J J C - 1506	2.5	2.3	2.7	2.0	2.6	2.0	3.0	3.0	1.1	2.2	2.6
9	J J C - 0364	2.3	2.0	3.0	1.8	2.5	2.0	3.0	3.0	1.1	2.2	2.5
10	J J C - 10	2.8	2.3	3.0	2.0	2.7	2.8	2.0	2.0	1.1	2.2	2.5
11	J J C - 9	2.5	2.3	3.0	2.0	2.5	2.0	3.0	3.0	1.1	2.2	2.5
12	J J C - 131	2.5	2.3	3.0	2.0	2.5	2.0	3.0	3.0	1.1	2.2	2.5
13	J J C - 3311	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
14	J J C - 2005	2.8	2.1	3.0	2.3	2.7	2.0	3.0	3.0	1.1	1.8	2.5
15	J J C - 2005	2.8	2.1	3.0	2.3	2.7	2.0	3.0	3.0	1.1	1.8	2.5
16	J J C - 2005	2.8	2.1	3.0	2.3	2.7	2.0	3.0	3.0	1.1	1.8	2.5
17	J J C - 47192	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
18	J J C - 48005	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
19	J J C - 48011	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
20	J J C - 8	2.3	2.0	3.0	2.3	2.5	2.2	3.0	3.0	1.1	1.8	2.4
21	J J C - 05-5	2.5	2.0	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
22	J J C - 35	2.3	2.0	3.0	2.3	2.5	2.2	3.0	3.0	1.1	1.8	2.4
23	J J C - 4	2.5	2.0	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
24	J J C - 421	2.5	2.0	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
25	J J C - 712	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
26	J J C - 32	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
27	J J C - 9411	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
28	J J C - 368	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
29	J J C - 369	2.0	1.8	2.7	1.8	2.4	1.5	2.0	2.0	1.1	1.8	2.2
30	J J C - 3342	2.5	2.0	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
31	J J C - 3342	3.0	2.1	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
32	J J C - 3342	2.4	2.1	3.0	2.3	2.7	2.2	3.0	3.0	1.1	1.8	2.4
	MEAN LOCATION	0.9	0.9	1.1	0.6	0.8	0.4	0.5	0.5	0.2	0.4	-
	C.D. AT 5%	18.0	31.0	25.1	16.1	-	11.3	16.1	13.1	12.4	-	-
	C.V. %	.444	.946	.863	.162	-	.000	.061	.000	.000	-	-
	F (Prob)											

UNIFORMITY *

TABLE NO. 3 (CONT.)

SL NO	PEDIGREE	PLANT HEIGHT (cm)										ZN 3 MEAN		
		ALMO	BAJA	ZN 1 MEAN	DELH	LUDH	KARN	KANP	ZN 2 MEAN	GORA BELI	VARA		DHOL	JASH
1	J H	226	202	214	138	206	195	164	176	129	210	157	133	157
2	J J	250	205	228	147	210	207	168	183	137	218	158	148	165
3	J J	264	217	240	163	204	203	162	183	139	223	163	149	168
4	J J	230	192	211	170	196	213	180	190	135	233	160	151	170
5	E H	228	203	216	157	200	198	173	182	135	208	146	134	153
6	E H	236	202	225	140	204	200	168	178	137	218	152	138	156
7	E H	244	215	226	143	201	215	172	183	126	208	144	142	151
8	E H	250	191	217	132	194	197	164	185	131	205	156	145	159
9	I H	262	203	227	157	202	202	182	181	139	205	166	147	170
10	B V	241	207	234	165	201	202	158	179	139	223	166	155	171
11	B V	254	197	226	150	201	202	162	174	128	198	140	147	153
12	D -	245	201	223	133	203	207	172	179	157	200	149	157	166
13	F -	231	189	210	150	186	183	170	167	115	203	130	132	145
14	R -	236	187	212	137	190	187	169	172	127	205	145	125	147
15	R -	234	197	215	147	172	200	167	175	98	205	134	128	144
16	R -	227	201	214	148	194	190	167	174	131	203	147	149	157
17	A H	240	189	215	143	195	200	158	174	141	203	143	139	156
18	A H	246	194	220	142	196	182	165	171	106	193	146	134	144
19	A H	217	189	203	138	184	188	175	169	101	190	125	120	144
20	M H	219	186	202	145	184	192	167	174	120	208	146	136	156
21	V -	239	220	230	172	206	192	165	175	137	218	155	136	161
22	W -	236	211	223	168	185	202	165	180	141	208	141	139	157
23	W -	247	204	225	130	178	208	159	169	147	225	152	146	168
24	I V	217	195	209	127	183	188	159	165	136	203	136	134	152
25	P A	238	200	216	130	190	208	172	185	134	218	148	135	159
26	M C	251	206	228	165	190	212	172	185	117	218	148	141	156
27	X -	252	206	229	138	190	200	161	172	117	220	147	141	156
28	PRO	246	217	231	145	183	202	168	174	134	193	138	132	149
29	PRO	259	222	241	155	208	207	171	185	138	218	146	138	160
30	PARKASH	226	198	212	140	204	193	167	176	142	193	159	135	157
31	X -	214	211	212	133	203	203	177	179	129	223	156	138	161
32	KIRAN	239	202	221	147	194	199	167	177	130	209	148	139	157
	MEAN	9.6	27.5	18.6	21.0	21.9	11.3	6.8	15.2	23.5	15.1	15.7	5.9	15.1
	C.D. AT 5%	2.9	8.3	-	8.7	8.0	3.5	2.5	-	12.9	4.4	7.6	3.0	-
	F (Prob)	.000	.391	-	.000	.009	.000	.000	-	.001	.000	.000	.000	-

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (cm)				BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	KARI	BANG ADVA	BANG											
1	J J	180	157	190	248	179	170	122	178	147	188	145	166	161	174	
2	J J	233	185	203	271	183	186	177	205	165	184	158	184	173	189	
3	J J	205	173	193	249	183	195	128	189	160	198	148	191	174	186	
4	J J	185	154	187	243	181	188	125	180	165	200	136	188	172	181	
5	E E	170	165	200	248	185	188	117	182	165	181	125	171	161	175	
6	E E	203	142	200	236	163	171	130	177	185	193	145	185	168	182	
7	E E	210	176	200	254	187	182	143	193	155	189	145	176	164	173	
8	E E	175	154	192	229	177	178	145	179	168	165	145	176	164	173	
9	I H	190	171	203	264	195	181	125	190	173	175	138	173	165	182	
10	B V	223	171	200	261	194	197	93	191	190	199	145	193	182	188	
11	B D	218	168	200	249	179	182	135	190	160	196	138	185	170	184	
12	B D	210	170	190	255	180	184	160	193	180	185	145	168	169	180	
13	F R	193	166	197	247	187	183	120	184	155	175	148	168	161	179	
14	R R	210	164	195	243	169	161	162	186	135	173	125	151	146	169	
15	R R	188	156	192	247	159	166	110	174	162	180	125	176	161	171	
16	R A	170	165	188	248	184	172	132	179	177	165	145	173	160	171	
17	A H	190	161	188	243	181	171	135	181	162	188	126	175	163	175	
18	A H	148	168	187	256	177	162	115	173	180	194	164	189	182	176	
19	A H	183	154	200	237	165	178	127	178	152	176	138	165	158	168	
20	U M	168	161	192	245	180	178	112	176	176	175	135	164	162	167	
21	V H	175	161	200	268	180	173	115	182	197	185	164	188	183	180	
22	W I	208	164	198	266	191	191	132	193	160	201	148	188	174	184	
23	I V	195	153	187	252	188	179	135	189	150	183	125	164	155	177	
24	P A	203	164	195	256	176	187	140	184	167	199	145	174	169	179	
25	M C	208	149	200	256	174	187	162	191	165	185	145	165	165	176	
26	X C	183	168	183	253	180	179	135	183	160	160	131	168	155	178	
27	PRO	208	138	187	252	173	183	155	185	157	180	144	171	163	177	
28	PRO	185	155	195	246	156	176	140	179	177	164	135	158	158	173	
30	CHECKS:															
31	X -	218	166	197	247	172	170	145	188	167	185	145	169	166	183	
32	KIRAN	198	158	193	239	163	186	137	182	167	178	125	170	160	175	
	MEAN	195	156	198	246	177	176	122	181	172	170	138	174	163	177	
	LOCATION	194	162	194	250	178	179	133	184	166	182	140	174	165	177	
	C.D. AT 5%	15.5	15.7	13.4	17.8	23.8	11.1	7.8	15.0	25.3	20.8	6.0	16.4	17.1	-	
	C.V. %	5.7	6.9	4.9	5.1	8.2	4.4	3.6	9.4	9.8	8.1	3.1	6.7	-	-	
	F (Prob)	.000	.000	.120	.002	.232	.000	.000	-	.008	.001	.000	.000	-	-	

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)			DELH	LUDH	KARN	KANP	ZN 2 MEAN	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
		ALMO	BAJA	ZN 1 MEAN										
1	J J C C	121	102	111	58	109	110	58	84	59	90	78	49	69
2	J J C C	138	112	125	63	114	107	60	86	64	93	78	61	74
3	J J C C	143	123	133	70	100	117	65	88	61	85	88	59	74
4	J J C C	127	87	107	73	94	117	69	88	59	85	75	57	69
5	E E H H	129	117	123	62	121	112	70	91	63	78	73	52	66
6	E E H H	133	109	121	52	113	107	67	84	70	103	71	52	74
7	E E H H	125	111	118	53	104	120	68	86	60	95	68	50	68
8	E I H H	125	99	112	47	104	105	66	80	49	93	66	53	65
9	E I H H	134	125	130	65	114	127	74	95	65	88	86	60	75
10	B B V - 1	150	111	130	63	101	110	54	82	67	95	83	59	76
11	B B V - 9	124	110	117	53	110	110	62	84	62	78	87	53	70
12	D R - 131	136	107	121	63	90	97	61	81	54	85	68	56	66
13	F R - 3311	121	89	105	45	73	93	62	73	62	75	54	50	58
14	F R - 2005 - 1	118	93	108	53	74	92	65	78	54	73	64	48	58
15	F R - 2005 - 2	125	100	109	53	104	92	70	73	52	93	69	53	66
16	F R - 2005 - 3	126	100	113	52	98	108	65	82	52	90	70	53	66
17	A H H - 47192	119	117	118	70	116	102	70	73	43	103	81	60	72
18	A H H - 48005	124	108	123	67	104	118	61	83	61	88	75	55	69
19	A H H - 48011	120	107	113	67	113	105	63	87	74	95	76	56	75
20	A M H - 8	121	107	114	58	104	107	65	83	51	85	82	52	67
21	U M H - 05-5	121	107	114	50	101	107	62	80	45	83	62	51	60
22	V H - 35	122	116	119	68	115	112	66	90	49	85	78	56	71
23	W I V - 4	136	107	121	65	89	107	69	82	66	88	65	55	66
24	W I V - 421	123	107	109	43	78	113	64	74	65	88	73	57	71
25	P A C - 712	134	95	123	50	99	112	64	81	60	88	71	55	68
26	P C H - 32	126	108	117	58	99	112	67	85	66	78	69	55	66
27	X - 9411	137	108	117	63	103	123	59	87	66	95	75	51	70
28	PRO 368	134	108	122	57	90	107	67	80	57	75	69	55	66
29	PRO 369	134	102	118	57	90	107	67	80	61	75	69	53	64
CHECKS:														
30	PARKASH	151	126	139	60	109	113	70	88	61	83	77	57	69
31	X - 3342	117	110	114	50	86	100	64	75	53	80	74	57	66
32	KIRAN	119	134	126	53	101	120	66	85	58	75	81	57	68
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob)														
.000														
14.3														
15.1														
.001														
17.9														
8.3														
4.7														
6.2														
6.6														
11.8														
-														
-														
16.8														
20.3														
.081														
13.5														
9.6														
.000														
15.6														
15.0														
.016														
5.2														
12.8														
54														
68														
68														
57														
57														
66														
69														

TABLE NO. 3 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)				BANG PROA	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN
		HYDE	KARI	BANG ADVA	BANG											
1	J J C	93	61	88	97	86	70	42	77	80	74	83	75	78	80	
2	J J C	115	67	98	94	88	85	80	90	90	80	56	86	78	87	
3	J J C	103	71	92	81	80	97	70	85	88	78	73	83	80	87	
4	J J C	95	56	90	85	87	87	55	79	87	85	46	75	73	80	
5	E H H	70	63	102	90	87	91	57	80	85	74	55	84	74	82	
6	E H H	118	51	95	79	72	76	57	78	98	80	51	74	76	82	
7	E H H	100	53	98	94	82	86	63	82	95	83	58	85	80	83	
8	E H H	85	51	88	79	81	81	62	75	87	68	75	86	79	78	
9	I H V	110	69	98	103	88	87	72	90	87	74	46	91	74	89	
10	B V	123	61	100	108	94	99	50	91	88	99	68	98	88	89	
11	B D V	113	56	97	87	80	89	63	84	75	91	60	89	79	83	
12	F H	108	64	88	92	83	82	70	84	80	84	54	76	73	81	
13	F H	93	47	93	83	79	74	43	73	65	63	40	63	58	70	
14	R R	105	62	95	91	78	75	77	83	70	78	64	73	71	76	
15	R R	95	54	92	82	77	78	50	75	67	85	39	83	71	76	
16	R R	75	54	88	88	71	76	50	72	67	73	65	73	69	76	
17	A H H	110	62	90	103	91	88	67	87	87	80	59	90	79	86	
18	A H H	113	53	90	96	87	81	65	84	82	83	45	74	71	81	
19	A H H	78	51	87	99	84	83	60	77	100	95	71	100	92	85	
20	A H H	118	63	98	87	81	86	50	83	97	80	73	86	83	84	
21	V H	135	57	93	92	78	87	55	85	87	84	70	86	82	82	
22	V H	93	57	100	91	76	77	70	80	90	84	63	93	82	88	
23	W H	118	62	97	107	86	96	65	90	80	78	76	84	72	80	
24	I V	105	49	83	87	90	83	57	79	75	78	58	78	69	78	
25	P A C	100	58	95	90	77	85	65	81	82	84	43	84	83	85	
26	M C H	108	53	100	95	81	92	82	87	92	84	63	76	83	81	
27	X - 9411	100	59	83	89	82	87	73	82	82	73	63	76	76	84	
28	PRO 358	120	50	90	91	84	87	73	85	80	83	64	76	76	84	
29	PRO 359	90	50	95	85	66	79	70	76	95	79	40	69	71	78	
CHECKS:																
30	PARKASH	113	56	95	94	78	88	77	86	87	81	56	78	75	86	
31	X - 3342	113	61	97	78	73	86	63	82	87	66	34	79	66	77	
32	KIRAN	100	54	97	92	81	84	52	80	95	74	73	88	82	83	
	MEAN LOCATION	103	57	94	91	81	84	63	82	85	80	59	81	76	82	
	C.D. AT 5% =	17.6	9.6	12.4	12.2	14.5	8.1	7.7	11.7	18.2	17.7	5.9	14.3	14.0	-	
	C.V. % =	12.1	11.9	9.4	9.6	10.9	6.8	7.6	-	13.2	15.8	7.1	12.5	-	-	
	F (Prob)	.000	.000	.208	.000	.097	.000	.000	-	.021	.051	.000	.000	-	-	

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	EAR NO. / PLANT				H.turcicum				H.maydis *					
		UDAI	BANS	GODH	CHHL	OV/L MEAN	ALMO	BAJA	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	OV/L MEAN	ZN 4 KOLH	ZN 1 MEAN
1	J H C C	0.92	1.05	0.93	1.01	0.94	2.6	3	2.0	1.7	1.8	2.4	2.5	1.7	5.6
2	J J C C	0.79	1.01	0.99	0.95	0.95	1.9	2.2	2.9	1.7	1.6	1.9	1.5	1.5	1.6
3	J J C C	0.92	1.10	0.96	0.97	0.95	2.7	3.0	3.1	3.0	1.7	2.6	1.8	1.8	1.8
4	J J C C	0.92	1.23	0.95	0.97	0.96	3.2	2.7	2.7	2.8	2.7	2.5	2.0	2.0	1.9
5	J E H H	1.09	1.09	0.94	0.98	0.96	2.6	2.7	2.7	2.7	2.8	2.0	1.8	1.8	1.8
6	J E H H	0.97	1.06	0.97	0.99	0.96	2.0	2.5	2.1	1.7	1.8	2.6	1.3	1.3	1.6
7	J E H H	0.93	1.00	0.97	0.98	0.93	1.7	2.8	2.8	2.8	2.0	2.2	1.5	1.5	1.7
8	J E H H	0.90	0.86	0.94	0.94	0.97	2.5	2.7	2.4	2.7	1.8	2.2	1.5	1.5	1.8
9	I B V M	0.91	1.09	0.99	0.94	0.97	2.2	2.0	2.3	2.4	1.8	2.2	1.5	1.5	1.5
10	B B V M	1.15	1.16	0.99	0.93	0.97	2.5	2.7	2.5	2.5	1.8	2.3	1.7	1.7	1.6
11	D F R R	0.97	0.93	0.95	0.97	0.95	1.3	1.7	1.9	1.6	1.8	1.9	1.5	1.5	1.6
12	F R R R	0.93	0.93	0.95	0.99	0.95	2.3	2.3	2.2	2.3	1.6	2.1	1.5	1.5	1.6
13	F R R R	0.90	1.00	0.97	1.00	0.97	1.6	1.8	1.2	1.8	1.9	1.7	1.5	1.5	1.5
14	R R R R	0.98	1.00	0.99	1.05	0.95	2.3	2.0	2.2	2.5	1.9	2.2	1.5	1.5	1.3
15	R R R R	0.98	1.12	0.96	1.01	0.97	1.7	1.9	1.5	1.7	1.8	2.0	1.5	1.5	1.4
16	R R R R	0.97	1.12	0.93	1.04	0.94	3.7	2.0	1.2	2.0	1.7	2.0	1.5	1.5	1.7
17	A H H H	0.97	1.02	0.99	0.94	0.96	1.9	2.7	2.5	2.7	1.9	2.4	1.7	1.7	1.6
18	A H H H	1.01	0.96	0.95	0.96	0.95	2.5	2.0	2.2	2.0	1.9	2.8	1.6	1.6	1.7
19	A H M H	0.79	1.02	0.98	0.97	0.92	2.0	2.7	2.2	2.7	1.6	2.8	1.5	1.5	1.3
20	U M H H	0.90	0.91	0.98	0.99	0.95	1.8	2.3	2.1	2.3	1.8	2.1	1.5	1.5	1.9
21	V H H V	0.98	1.20	0.96	0.98	0.92	1.6	1.8	1.9	1.6	1.8	1.8	1.6	1.6	1.5
22	W H H V	0.78	1.09	0.98	0.95	0.97	1.8	1.3	1.8	1.8	1.8	1.8	1.6	1.6	1.4
23	W H H V	0.93	1.07	0.94	0.96	0.94	1.4	1.7	1.5	1.7	1.6	1.6	1.4	1.4	1.2
24	W H H V	0.94	1.08	0.95	0.99	0.95	1.5	1.5	1.5	1.5	1.5	1.6	1.4	1.4	1.3
25	P M C C	0.91	1.02	1.01	1.08	0.93	1.5	1.7	1.6	1.7	1.6	1.6	1.4	1.4	1.3
26	P M C C	0.90	1.02	0.95	1.08	0.93	1.5	1.7	1.6	1.7	1.6	1.6	1.4	1.4	1.3
27	X -	1.02	0.93	0.95	0.97	0.95	1.6	2.3	2.0	2.3	1.6	1.6	1.4	1.4	1.3
28	PRO 368	1.02	0.93	0.95	0.97	0.95	1.6	2.3	2.0	2.3	1.6	1.6	1.4	1.4	1.3
29	PRO 365	0.92	1.10	0.94	0.98	0.94	1.6	2.0	1.8	1.5	1.5	1.8	1.5	1.5	1.5
30	CHECKS:														
31	PARKASH	0.89	0.96	0.87	0.94	0.93	3.0	3.0	3.0	3.0	2.8	2.8	1.5	1.5	1.6
32	X - 3342	1.01	1.06	0.96	1.00	0.95	1.6	1.7	1.6	1.7	1.6	1.6	1.5	1.5	1.8
33	KIRAN	0.86	0.94	0.95	0.99	0.92	2.9	2.5	2.7	2.5	2.1	2.1	1.5	1.5	1.6
	MEAN LOCATION	-	-	-	-	-	0.4	0.8	0.6	0.4	0.6	0.6	0.4	0.4	0.3
	C.D. AT 5%	-	-	-	-	-	14.9	21.0	0	0	0	0	16.2	16.2	-
	C.V. %	-	-	-	-	-	0.00	0.00	-	-	-	-	0.00	0.00	-
	F (Prob)	-	-	-	-	-	0.00	0.00	-	-	-	-	0.00	0.00	-

TABLE NO. 3 (CONT.)

SL NO	PEDIGREE	STAND AT HARVEST										GORA		
		PHYSO -DERMA* ALMO	ALMO	BAJA	DELH	LUDH	KARN	KAMP	BELI	VARA	DHOL			
1	H J	2.0	20	30	36	39	26	36	37	37	42	38		
2	J C	2.0	23	34	19	37	26	37	33	40	40	32		
3	J C	1.3	22	35	21	40	26	36	36	39	40	32		
4	J C	1.5	22	37	21	37	28	34	35	42	40	38		
5	J E	1.6	23	35	21	40	27	37	36	40	39	39		
6	E H	1.7	23	39	35	38	28	37	35	39	43	39		
7	E H	1.3	22	37	30	37	28	35	37	43	39	39		
8	E H	2.0	22	36	21	37	28	33	33	43	34	34		
9	I H	1.9	22	38	36	36	28	34	33	36	31	17		
10	I B	1.7	20	29	19	27	23	34	15	31	31	28		
11	B D	1.6	22	39	27	39	26	37	26	39	39	40		
12	P R	1.3	22	38	24	24	26	36	37	43	37	37		
13	R R	1.6	21	25	15	14	27	36	16	35	35	19		
14	R R	1.6	21	26	14	23	27	36	22	35	37	27		
15	R R	2.1	20	28	23	36	28	40	29	44	37	37		
16	R A	1.8	23	38	31	40	27	38	25	39	35	21		
17	A H	1.4	22	34	17	38	32	31	35	41	41	34		
18	A H	1.6	20	36	17	38	27	32	36	40	40	37		
19	A H	2.0	24	36	26	39	26	37	36	41	36	36		
20	U M	1.9	22	37	30	39	25	39	35	41	35	33		
21	V H	1.9	21	37	35	41	23	38	35	40	37	32		
22	W I	1.9	22	39	19	40	28	38	37	41	36	41		
23	V V	1.5	22	30	22	38	27	38	34	35	34	36		
24	P A	1.2	22	35	26	38	27	37	31	41	36	36		
25	C H	2.2	22	35	32	40	27	38	31	41	36	36		
26	M X	1.1	24	34	14	39	27	34	37	40	37	32		
27	X	1.5	23	40	24	38	29	37	35	41	37	37		
28	PRO	1.9	23	40	31	39	27	38	39	41	39	28		
29	PRO	1.9	23	36	31	39	27	38	35	41	39	28		
CHECKS:														
30	PARKASH	1.6	22	39	26	39	29	37	38	43	43	40		
31	X - 3342	1.8	22	38	26	38	28	34	34	44	44	35		
32	KIRAN	1.8	21	37	25	39	23	34	33	43	43	36		
MEAN LOCATION														
C.D. AT 5% =														
C.V. %														
F (Prob)														
		0.6	2.2	5.3	8.6	4.5	3.7	3.6	4.9	5.2	5.2	6.0		
		25.9	7.1	9.4	22.6	8.6	7.6	5.3	10.6	8.2	8.2	12.7		
		.036	.054	.000	.000	.000	.001	.166	.000	.000	.000	.000		

TABLE NO. 3 (CONT.)

Sl NO	PEDIGREE	STAND AT HARVEST										OV'L MEAN			
		JASH	HYDE	KARI	ARBH	BANG ADVA	BANG PROA	MAND	COIM	KOLH	UDAI		BANS	GODH	CHHI
1	J H	29	37	32	39	28	34	36	19	28	31	33	31	38	33
2	J J	27	31	39	35	29	31	36	22	27	26	28	27	37	31
3	J C	30	31	38	34	28	32	37	25	29	28	27	27	39	31
4	J C	30	26	32	38	33	32	33	25	17	34	32	32	38	32
5	J E	28	34	34	36	30	33	40	21	38	32	30	30	38	33
6	E H	30	30	35	37	28	33	35	24	24	35	31	31	38	33
7	E H	28	26	35	41	27	33	39	26	26	34	24	24	39	33
8	E H	27	22	33	40	25	33	36	23	18	31	28	28	37	32
9	I V	27	19	37	34	26	23	36	23	15	31	13	13	35	31
10	B V	27	17	126	36	23	27	33	25	31	20	26	26	30	24
11	B V	31	17	38	34	23	31	36	25	15	32	22	22	35	29
12	B V	31	31	36	42	27	32	33	28	30	35	27	27	37	34
13	D H	28	38	36	45	29	34	36	26	15	37	16	16	36	25
14	F R	23	27	19	29	23	28	31	26	18	30	13	13	30	26
15	F R	26	19	30	32	22	28	31	25	29	41	24	24	34	34
16	R R	28	31	30	29	27	33	34	25	18	35	27	27	37	34
17	R A	31	35	34	36	28	34	33	16	25	31	24	24	36	26
18	A H	30	33	32	34	27	33	32	12	27	38	21	21	40	32
19	A H	25	33	32	36	24	33	32	26	17	32	21	21	31	27
20	A M	30	43	38	39	29	33	31	24	34	39	31	31	37	33
21	U M	28	27	37	37	25	34	34	20	34	38	32	32	38	32
22	V H	30	30	32	40	28	32	36	29	28	43	25	25	37	32
23	W H	27	38	31	41	27	32	29	20	33	38	25	25	38	31
24	P A	28	34	32	40	30	33	33	29	37	35	36	36	37	34
25	P A	31	41	39	40	31	34	33	29	32	35	36	36	38	34
26	M C	31	45	40	37	31	34	33	29	32	32	30	30	38	34
27	X -	30	38	39	36	28	34	38	28	32	36	30	30	38	34
28	X -	32	30	36	41	27	34	33	29	32	36	30	30	38	34
29	PRO	29	35	39	41	31	33	33	30	28	41	33	32	38	32
30	PARKASH	31	32	37	35	26	33	36	25	32	36	34	34	38	33
31	X -	29	32	39	39	28	31	31	30	33	42	32	32	40	33
32	KIRAN	28	33	34	32	29	32	35	24	40	36	25	25	37	32
	MEAN LOCATION	29	31	33	36	27	32	34	25	28	36	27	27	37	31
	C.D. AT 5% =	3.3	10.3	5.8	9.2	4.0	2.0	6.1	2.3	11.9	6.9	6.6	6.6	3.5	-
	C.V. %	8.2	23.5	12.4	12.4	10.4	4.5	11.0	6.7	25.7	11.6	17.5	17.5	6.8	-
	F (Prob)	.000	.000	.000	.123	.001	.000	.188	.000	.001	.000	.000	.000	.000	-

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

TABLE NO. 4

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, KANGRA, DELHI, KARNAL, PANTNAGAR, KANPUR, BELIPAR GORAKHPUR, VARANASI, DHOLI, JASHIPUR, HYDERABAD, KARIMNAGAR, MANDYA, COIMBATORE, KOLHAPUR, UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN IET TRIAL No. TR64 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE											
		ALMO			BAJA			KANG			R		
		R	R	R	R	R	R	R	R	R	R	R	R
1	J H - 31041	7636	5	7524	2	3016	3	6059	3				
2	J H - 31046	6702	9	6158	7	2801	8	5220	6				
3	J H - 31050	8635	2	7472	3	3260	1	6455	2				
4	B V M - 9	6618	10	5654	8	2518	12	4930	11				
5	F H - 3294	6856	8	5633	9	2671	11	5053	10				
6	F H - 3352	8038	3	4783	14	2826	6	5216	7				
7	S M H - 49114	9446	1	9494	1	2950	5	7297	1				
8	A H - 31021	7704	4	5229	12	2239	14	5057	9				
9	A H - 31037	6898	7	6795	4	2824	7	5505	4				
10	ANEP COMP -04	5922	12	6603	6	3090	2	5205	8				
11	W C - 236	7128	6	6696	5	2158	15	5327	5				
12	V C - 2005	5453	15	5486	10	2361	13	4433	15				
CHECKS:													
13	SURYA	5692	13	4848	13	2794	9	4445	14				
14	AMAR	6420	11	4614	15	2993	4	4676	12				
15	HIM - 129	5455	14	5391	11	2740	10	4529	13				
	MEAN YIELD=	6973		6159		2749		5294					
	MEAN STAND	21		32		29		27					
	C.D. AT 5% =	1063		1031		399		831					
	C.V. % =	10.70		10.03		8.69		-					
	F (Prob)	.000		.000		.000		-					
	FLOT SIZE=	3.60		4.80		4.80		-					
AGRONOMY DATA:													
	SOWING DATE (2005)	10-07		1-07		4-07		-					
	HARVEST DATE (2005)	12-11		10-11		-		-					
	IRRIGATION NOS	-		2		-		-					
	FERTILIZER APPLIED	N 80		120		80		-					
		P 60		60		60		-					
		K 40		40		40		-					

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 30%) : LUDH 48.0% : ARBH 30.5%

TABLE NO. 4 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 2		
		DELH	R	KARN	R	PANT	R	KANP	R	MEAN	R					
1	J H - 31041	1369	14	4918	3	5852	1	6169	8	4577	1					
2	J H - 31046	1399	13	4839	5	3472	6	5779	12	3872	9					
3	J H - 31050	1578	3	5575	1	2652	12	6169	9	3994	6					
4	B V M - 9	1533	8	4447	12	3248	8	6197	6	3856	10					
5	F H - 3294	1414	12	3670	15	2537	14	6169	10	3448	13					
6	F H - 3352	1559	6	4817	6	3697	3	6459	3	4133	4					
7	S M H - 49114	1658	2	4745	7	3859	2	6978	2	4310	3					
8	A H - 31021	1576	4	4553	10	3483	5	6197	7	3952	8					
9	A H - 31037	1560	5	4540	11	3686	4	7858	1	4411	2					
10	ANEP COMP -04	1518	9	4630	8	3407	7	6455	4	4002	5					
11	W C - 236	1348	15	4932	2	3025	10	5779	13	3771	12					
12	V C - 2005	1667	1	4843	4	3195	9	6262	5	3992	7					
CHECKS:																
13	SURVA	1536	7	3852	13	2140	15	5763	14	3323	15					
14	AMAR	1435	11	4608	9	2976	11	6093	11	3778	11					
15	HIM - 129	1464	10	3733	14	2564	13	5634	15	3349	14					
	MEAN YIELD=	1508		4580		3320		6264		3918						
	MEAN STAND	29		28		30		37		31						
	C.D. AT 5%=	446		673		1034		459		653						
	C.V. % =	17.73		8.80		21.86		4.39		-						
	F (Prob)	.905		.000		.001		.000		-						
	PLOT SIZE=	7.50		6.00		7.50		6.00		-						
AGRONOMY DATA:																
	SOWING DATE(2005)	28-07		28-06		8-07		1-07		-						
	HARVEST DATE(2005)	-		27-09		9-10		5-10		-						
	IRRIGATION Nos	-		4		1		-		-						
	FERTILIZER APPLIED	N 100		150		120		80		-						
		P 80		60		60		40		-						
		K 60		40		40		40		-						

TABLE NO. 4 (CONT.)

SI	NO PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3			
		GORA			BELI			VARA			DHOL			JASH			MEAN
1	J H - 31041	2989	9	4461	6	3087	3	3703	6	3560	5						
2	J H - 31046	4989	1	4471	5	3496	1	3509	8	4116	1						
3	J H - 31050	4351	2	4485	4	3289	2	4186	2	4078	2						
4	B V M - 9	2977	10	3913	8	2481	11	3753	5	3281	7						
5	F H - 3294	3829	4	4513	3	2972	4	3389	10	3676	4						
6	F H - 3352	3089	6	3786	10	2228	13	3755	4	3214	9						
7	S M H - 49114	3019	7	6044	1	2801	5	4311	1	4044	3						
8	A H - 31021	2471	15	3360	12	2652	7	4005	3	3122	12						
9	A H - 31037	3016	8	3787	9	2620	8	3681	7	3276	8						
10	ANEP COMP -04	2646	14	4103	7	2745	6	2997	12	3123	11						
11	W C - 236	2917	12	4577	2	2592	10	3041	11	3282	6						
12	V C - 2005	2804	13	3201	13	2339	12	3458	9	2950	14						
CHECKS:																	
13	SURYA	2934	11	2954	15	2192	15	2891	14	2743	15						
14	AMAR	3810	5	3137	14	2616	9	2930	13	3123	10						
15	HIM - 129	3900	3	3390	11	2203	14	2792	15	3071	13						
	MEAN YIELD=	3316		4012		2687		3493		3377							
	MEAN STAND	37		36		37		27		34							
	C.D. AT 5%	590		895		839		265		647							
	C.V. %	12.49		13.36		21.90		5.33		-							
	F (Prob)	.000		.000		.026		.000		-							
	PLOT SIZE=	6.00		7.50		7.50		6.00		-							
AGRONOMY DATA:																	
	SOWING DATE(2005)	30-06		10-07		7-07		7-07		-							
	HARVEST DATE(2005)	14-10		10-10		10-10		27-10		-							
	IRRIGATION Nos	2		1		-		-		-							
	FERTILIZER APPLIED N	120		80		100		120		-							
	P	60		40		60		60		-							
	K	60		40		40		60		-							

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 4	
		HYDE	R	KARI	R	MAND	R	COIM	R	KOLH	R	MEAN	R		
1	J H - 31041	3945	4	7152	2	4501	13	4653	4	4017	2	4853	3		
2	J H - 31046	3552	7	6000	4	5216	12	4462	7	2574	14	4361	5		
3	J H - 31050	4374	2	6448	3	5360	10	4533	5	3926	3	4928	2		
4	B V M - 9	3173	12	5580	6	6104	2	4654	3	3540	6	4610	4		
5	F H - 3294	3256	10	3825	15	4311	14	4977	2	3523	7	3978	12		
6	F H - 3352	4019	3	5010	11	4044	15	4465	6	3561	5	4220	6		
7	S M H - 49114	5449	1	8103	1	5422	9	8378	1	4220	1	6314	1		
8	A H - 31021	2798	15	3867	14	5956	3	3654	8	1958	15	3647	15		
9	A H - 31037	3422	8	5929	5	5639	4	2977	11	3023	12	4198	8		
10	ANEP COMP -04	3331	9	5045	10	5444	7	3530	9	3296	9	4129	10		
11	W C - 236	3684	6	5238	7	5485	6	2828	14	3779	4	4203	7		
12	V C - 2005	3218	11	4941	12	5513	5	2685	15	3358	8	3943	13		
CHECKS:															
13	SURYA	2968	13	4799	13	5434	8	2833	13	2656	13	3738	14		
14	AMAR	3690	5	5210	8	5301	11	2919	12	3197	11	4063	11		
15	HIM - 129	2879	14	5166	9	6297	1	3139	10	3293	10	4155	9		
	MEAN YIELD=	3584		5488		5335		4046		3328		4356			
	MEAN STAND	24		37		34		24		42		32			
	C.D. AT 5%=	987		1466		1156		593		1100		1060			
	C.V. %	19.32		18.74		12.97		10.29		19.79					
	F (Prob)	.000		.000		.011		.000		.099					
	PLOT SIZE=	7.50		6.00		7.00		4.80		6.00					
AGRONOMY DATA:															
	SOWING DATE(2005)	13-07		9-07		7-08		7-07		13-07					
	HARVEST DATE(2005)	8-11		10-10		12-12		17-10							
	IRRIGATION Nos	-		-		5		9		-					
	FERTILIZER APPLIED	N 120		180		150		135		100					
		P 60		60		75		63		50					
		K 40		30		40		50		30					

TABLE NO. 4 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												OV'L	
		UDAI	R	BANS	R	GODH	R	CHHI	R	ZN 5	MEAN	R	MEAN	R	
1	J H - 31041	5528	3	6664	5	4146	5	4940	3	5319	3	4813	3		
2	J H - 31046	1429	12	6169	7	3618	6	3789	9	3751	10	4221	4		
3	J H - 31050	5542	2	7556	2	4851	2	4586	4	5634	2	4941	2		
4	B V M - 9	1708	9	5767	12	4590	3	3965	8	4008	6	4121	7		
5	F H - 3294	1036	15	6483	6	2816	12	3777	10	3528	12	3883	11		
6	F H - 3352	1278	14	5898	10	2841	11	5349	2	3842	8	4075	8		
7	S M H - 49114	6473	1	7800	1	4864	1	5468	1	6151	1	5574	1		
8	A H - 31021	3926	4	5936	9	2559	14	4062	5	4121	5	3909	10		
9	A H - 31037	3623	5	5196	13	2713	13	3603	11	3784	9	4169	5		
10	ANEP COMP -04	2692	7	6764	4	3004	10	3357	12	3954	7	4029	9		
11	W C - 236	2897	6	6842	3	4228	4	4050	6	4504	4	4161	6		
12	V C - 2005	1338	13	5947	8	3410	7	4032	7	3682	11	3776	12		
CHECKS:															
13	SURYA	1630	10	4683	14	2112	15	2909	13	2833	15	3381	15		
14	AMAR	1519	11	5807	11	3203	9	2788	14	3329	13	3763	13		
15	HIM - 129	2447	8	4589	15	3248	8	2344	15	3157	14	3633	14		
	MEAN YIELD=	2871		6140		3480		3935		4106		4163			
	MEAN STAND	36		36		29		37		34		32			
	C.D. AT 5%	833		1109		246		1205		848		819			
	C.V. %	17.37		12.68		4.97		21.48		-		-			
	F (Prob)	.000		.000		.000		.000		-		-			
	PLOT SIZE=	6.00		6.00		6.00		5.60		-		-			
AGRONOMY DATA:															
	SOWING DATE (2005)	1-07		3-06		8-07		8-07		-		-			
	HARVEST DATE (2005)	30-09		5-10		7-10		22-10		-		-			
	IRRIGATION NO	-		-		1		-		-		-			
	FERTILIZER APPLIED	N 90		80		100		80		-		-			
		P 60		60		50		50		-		-			
		K -		-		-		30		-		-			

TABLE NO. 4 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SURYA												
Sl NO	PEDIGREE	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV/L MEAN		
1	J H - 31041	64.22	51.25	29.84	239.15	42.30	96.26	69.84	87.73	42.37		
2	J H - 31046	57.50	-	16.66	-	31.73	71.30	30.27	32.40	24.85		
3	J H - 31050	59.99	47.82	31.84	239.99	61.36	129.65	57.66	98.83	46.15		
4	B V M - 31059	64.26	33.29	23.34	4.81	23.15	117.33	36.30	41.44	21.88		
5	F H - 3294	75.64	32.65	6.43	-	38.43	33.30	29.84	24.50	14.84		
6	F H - 3352	57.58	34.09	12.89	-	25.96	34.52	83.89	35.58	20.53		
7	S M H - 49114	195.70	58.88	68.93	297.15	66.57	130.26	88.01	117.10	64.87		
8	A H - 31021	28.97	13.81	12.31	140.89	26.75	21.17	39.65	45.44	15.62		
9	A H - 31037	5.07	24.08	10.46	122.25	10.96	28.44	23.87	33.54	23.32		
10	ANEP COMP -04	24.58	42.27	12.43	65.14	44.43	42.24	15.40	39.55	19.16		
11	W C - 236	-	42.27	12.43	77.75	46.10	100.17	39.24	58.97	23.07		
12	V C - 2005	-	26.44	5.49	-	27.00	61.44	38.63	29.95	11.67		
CHECKS:												
13	SURYA	3.02	20.37	8.71	-	23.99	51.64	-	17.49	11.30		
14	AMAR	10.78	24.00	11.15	50.15	-	53.77	-	11.42	7.46		
15	HIM - 129	-	-	-	-	-	-	-	-	-		
GRAIN YIELD & SUPERIORITY OVER THE AMAR												
Sl NO	PEDIGREE	ALMO	BAJA	KANG	ZN 1 MEAN	DELH	KARN	PANT	KANP	ZN 2 MEAN		
1	J H - 31041	18.94	63.06	0.76	29.57	-	6.73	96.66	1.25	21.16		
2	J H - 31046	4.41	33.45	-	11.65	-	5.02	16.67	-	2.50		
3	J H - 31050	34.50	61.94	8.89	38.06	9.97	21.00	-	1.25	5.71		
4	B V M - 31059	3.09	22.53	-	5.43	6.79	-	9.14	1.72	2.07		
5	F H - 3294	6.79	22.08	-	8.07	-	-	-	1.25	-		
6	F H - 3352	25.21	3.66	-	11.56	8.65	4.54	24.24	6.01	9.40		
7	S M H - 49114	47.15	105.76	-	56.05	15.50	2.99	29.67	14.52	14.08		
8	A H - 31021	20.00	13.34	-	8.16	9.81	-	17.03	1.72	4.62		
9	A H - 31037	7.45	47.26	-	17.75	8.70	-	23.88	28.98	16.77		
10	ANEP COMP -04	-	43.11	3.21	11.32	5.77	0.49	14.49	5.94	5.95		
11	W C - 236	11.03	45.12	-	13.93	-	7.04	1.66	-	-		
12	V C - 2005	-	18.90	-	-	16.16	5.11	7.36	2.77	5.66		
CHECKS:												
13	SURYA	-	5.08	-	-	7.05	-	-	-	-		
14	AMAR	-	-	-	-	-	-	-	-	-		
15	HIM - 129	-	16.83	-	-	2.02	-	-	-	-		

TABLE NO. 4 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE AMAR												
Sl No	PEDIGREE	GORA BELI	VARA	DHOL	JASH	Zn 3 MEAN	HYDE	KARI	MAND	KOLH	UDAI	OV'L MEAN
1	J H - 31041	-	42.21	18.04	26.41	14.00	6.89	37.29	-	-	-	27.91
2	J H - 31046	30.94	42.54	33.65	19.76	31.80	-	15.17	-	-	-	12.17
3	J H - 31050	14.20	42.96	25.73	42.90	30.57	18.53	23.77	1.11	-	-	31.31
4	B V M - 3352	-	33.73	-	28.09	5.05	-	7.11	15.15	-	-	9.51
5	F H - 3294	0.49	43.88	13.64	15.68	17.70	-	-	-	-	-	3.18
6	F H - 3352	-	20.70	-	28.17	29.49	8.92	-	-	-	-	8.29
7	S M H - 49114	-	92.68	7.10	47.17	29.49	47.66	55.53	-	-	-	48.12
8	A H - 31021	-	7.10	1.38	36.71	4.89	-	-	2.29	-	-	3.88
9	A H - 31037	-	20.71	0.18	25.63	4.89	-	13.80	-	-	-	2.69
10	ANEP COMP - 04	-	30.80	4.94	2.29	5.08	-	0.55	-	-	-	3.46
11	W C - 236	-	45.90	-	3.80	-	-	-	-	-	-	7.06
12	V C - 2005	-	2.04	-	18.02	-	-	-	-	-	-	10.58
CHECKS:												
13	SURYA	-	-	-	-	-	-	-	2.50	-	-	-
14	AMAR	-	-	-	-	-	-	-	-	-	-	-
15	HIM - 129	2.35	8.06	-	-	-	-	-	-	-	-	18.79

GRAIN YIELD & SUPERIORITY OVER THE AMAR												
Sl No	PEDIGREE	COIM	KOLH	Zn 4 MEAN	UDAI	BANS	GODH	CHHI	Zn 5 MEAN	OV'L MEAN	CHECKS:	SURYA
1	J H - 31041	59.40	25.65	19.44	263.90	14.76	29.43	77.21	59.78	27.91	-	-
2	J H - 31046	52.88	-	7.32	-	6.24	12.97	35.92	12.69	12.17	-	-
3	J H - 31050	55.30	22.81	21.28	264.80	30.14	51.45	64.51	69.23	31.31	-	-
4	B V M - 3352	59.44	10.73	13.46	12.46	-	43.32	42.22	20.38	9.51	-	-
5	F H - 3294	70.50	10.20	-	-	11.64	-	35.47	5.97	3.18	-	-
6	F H - 3352	52.96	11.40	3.85	-	1.58	-	91.87	15.40	8.29	-	-
7	S M H - 49114	187.04	32.00	55.40	326.13	34.33	51.85	96.17	84.78	48.12	-	-
8	A H - 31021	125.19	-	-	158.47	2.22	-	45.71	23.79	3.88	-	-
9	A H - 31037	1.99	-	3.31	138.47	-	-	29.25	13.66	10.80	-	-
10	ANEP COMP - 04	20.93	3.08	1.62	77.19	-	-	20.41	18.77	7.06	-	-
11	W C - 236	-	18.20	3.43	90.72	16.48	32.00	45.28	35.30	10.58	-	-
12	V C - 2005	-	5.05	-	-	17.83	6.47	44.65	10.60	0.33	-	-
CHECKS:												
13	SURYA	-	-	-	7.30	-	-	4.34	-	-	-	-
14	AMAR	-	-	-	-	-	-	-	-	-	-	-
15	HIM - 129	7.54	3.02	2.25	61.11	-	1.41	-	-	-	-	-

TABLE NO. 4 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE HIM - 129													
Sl No	Pedigree	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN			
1	J H 31041	48.23	21.97	16.82	125.87	45.22	27.64	110.75	68.49	32.48			
2	J H 31046	42.17	-	4.96	-	34.44	11.40	161.65	18.83	16.10			
3	J H 31050	44.42	19.21	18.62	126.43	65.68	49.35	69.13	76.94	36.02			
4	J V H 3294	48.27	17.98	-	-	25.58	41.34	69.11	11.74	16.86			
5	F H 3352	58.24	6.14	1.57	164.49	28.55	-	61.17	11.68	16.22			
6	F H 3491	42.92	28.13	51.98	60.43	29.99	49.75	133.29	14.55	12.49			
7	A H 31037	16.42	-	1.04	48.02	13.24	-	53.71	30.85	14.75			
8	A H 31037	12.46	0.06	1.15	18.38	49.10	30.17	43.19	19.25	10.88			
9	ANEP COMP - 04	-	14.74	1.15	18.38	49.10	30.17	43.19	19.25	10.88			
10	W C 236	-	1.97	-	-	29.61	4.99	72.02	16.63	14.59			
11	V C 236	-	-	-	-	-	-	-	-	-			
12	V C 2005	-	-	-	-	-	-	-	-	-			
CHECKS:													
13	SURYA	-	-	-	-	2.06	-	24.09	-	-			
14	AMAR	-	-	-	-	26.54	-	18.92	-	-			
15	HIM - 129	-	-	-	-	-	-	-	5.45	3.57			

DAYS TO 50% POLLEN SHED														
Sl No	Pedigree	ALMO	BAJA	KANG	ZN 1 MEAN	DELH	KARN	KANP	ZN 2 MEAN	GORA BELI	VARA	DHOL	JASH	ZN 3 MEAN
1	J H 31041	52.8	4.0	51.7	6.1	44.7	46.3	3.7	48.2	50.0	45.7	52.0	42.5	47.7
2	J H 31046	51.4	3.0	53.7	3.4	45.0	47.3	3.3	47.8	47.8	42.7	55.1	44.4	45.7
3	J H 31050	53.0	3.0	52.7	2.5	44.7	47.3	4.7	48.9	49.0	44.0	55.0	42.0	46.4
4	J V H 3294	51.8	3.0	53.3	8.4	47.0	44.3	7.0	49.7	48.0	46.7	55.0	43.3	47.9
5	F H 3521	54.0	3.0	54.0	4.4	46.5	48.3	3.4	49.4	50.3	46.3	55.0	44.4	47.6
6	F H 3521	54.0	3.0	55.3	5.9	48.0	48.0	3.7	49.8	49.8	47.7	55.0	44.4	48.1
7	A H 31037 @	52.8	3.0	53.7	5.9	46.0	47.3	0.0	48.7	50.3	45.7	55.0	44.4	48.8
8	ANEP COMP - 04	53.5	3.0	52.0	5.9	46.3	47.3	0.0	49.0	50.3	47.0	55.0	44.4	48.5
9	W C 236	52.5	3.0	52.6	5.9	46.3	47.3	0.0	49.0	50.3	47.0	55.0	44.4	48.8
10	V C 236	52.5	3.0	52.6	5.9	46.3	47.3	0.0	49.0	50.3	47.0	55.0	44.4	48.8
11	V C 2005	52.5	3.0	52.6	5.9	46.3	47.3	0.0	49.0	50.3	47.0	55.0	44.4	48.8
CHECKS:														
13	SURYA	51.0	4.0	53.7	9.2	44.0	46.3	7.7	48.6	47.5	43.0	49.8	41.0	45.3
14	AMAR	50.3	4.0	51.7	2.4	44.0	43.7	7.7	45.5	46.6	45.0	49.3	41.3	44.7
15	HIM - 129 LOCATION	52.1	3.5	53.1	4.5	45.6	46.6	7.7	48.1	48.6	45.0	51.3	42.3	46.2
C.D. AT 5% =														
F. (Prob)														

TABLE NO. 4 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% POLLEN SHED										OV'L MEAN	
	HYDE	KARI	MAND	COIM	KOLH	MEAN	UDAI	BANS	GODH	CHHI		ZN 5 MEAN
1 J H - 31041	49.5	45.0	51.0	47.8	59.0	50.5	50.3	43.3	48.0	58.8	50.1	49.8
2 J H - 31046	49.8	44.5	49.0	48.5	57.0	49.8	50.0	43.3	45.8	53.0	48.0	48.8
3 J H - 31050	49.8	45.0	50.3	46.5	59.0	50.1	50.0	41.8	48.5	54.8	48.8	49.5
4 B V M - 9	49.8	45.0	49.7	47.0	57.0	49.7	49.0	42.8	45.5	54.8	48.0	49.1
5 F H - 3294	48.3	44.3	47.7	45.5	57.0	48.5	47.7	40.0	43.5	53.5	46.2	48.3
6 F H - 3352	48.5	44.3	50.3	46.0	60.0	49.8	47.0	40.0	43.5	52.5	45.8	48.9
7 S M H - 49114	49.0	45.5	49.7	45.5	59.0	49.7	49.7	46.3	49.5	55.3	50.2	49.9
8 A H - 31021	50.0	45.3	51.3	47.8	60.7	51.0	51.0	45.5	46.5	57.8	50.2	50.7
9 A H - 31037 @	49.0	45.3	50.0	45.5	59.0	49.8	49.3	44.8	49.8	55.5	49.8	49.6
10 ANEP COMP -04	49.0	44.5	49.3	46.0	57.0	49.2	49.7	42.5	49.3	53.8	48.8	49.3
11 W C - 236	50.3	45.5	50.7	45.5	61.0	50.6	51.3	48.3	49.8	59.5	52.2	51.3
12 V C - 2005	50.3	45.0	51.7	48.5	58.7	50.8	50.7	45.5	46.5	56.0	49.7	50.4
CHECKS:												
13 SURYA	48.5	43.8	47.7	46.5	55.0	48.3	48.3	42.8	43.8	51.3	46.5	48.0
14 AMAR	49.0	44.0	50.0	46.5	57.0	49.3	48.7	41.0	44.5	53.3	46.9	48.5
15 HIM - 129	48.8	41.3	45.0	46.5	50.3	46.4	45.0	40.3	42.3	53.3	45.2	46.5
MEAN LOCATION	49.3	44.5	49.6	46.6	57.8	49.6	49.2	43.2	46.4	54.8	48.4	49.2
C.D. AT 5%	2.3	1.3	2.7	1.1	0.8	1.6	1.8	1.7	0.8	2.0	1.6	-
C.V. %	3.3	2.1	3.3	1.6	0.8	-	2.2	2.8	1.2	2.5	-	-
F (Prob)	.804	.000	.003	.000	.000	-	.000	.000	.000	.000	-	-

TABLE NO. 4 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% SILKING										ZN 3 JASH MEAN			
	ZN 1					ZN 2								
	ALMO	BAJA	KANG MEAN	DELH	KARN	PANT	KANP MEAN	BELI	VARA	DHOL				
1 J H - 31041	53.5	56.0	54.7	54.7	48.3	49.3	52.0	58.3	52.0	52.3	49.0	57.3	45.8	51.1
2 J H - 31046	52.8	56.0	56.7	55.1	47.0	49.3	50.0	57.0	50.8	49.8	46.7	55.5	45.8	49.4
3 J H - 31050	53.3	58.7	55.3	55.8	48.7	48.0	50.8	57.7	51.3	51.8	49.0	56.8	48.0	51.4
4 B V M - 9	53.8	56.0	56.3	55.4	47.7	50.3	51.0	58.3	51.8	51.3	48.0	54.8	45.8	49.9
5 F H - 3294	51.8	56.0	56.7	54.8	50.7	46.3	52.5	58.0	51.9	49.8	50.0	54.8	46.5	50.3
6 F H - 3352	52.0	56.0	57.3	55.1	51.3	48.7	51.5	57.7	52.3	50.5	49.3	56.8	47.3	51.0
7 S M H - 49114	53.8	58.7	57.0	56.5	48.0	50.7	52.5	55.7	51.7	52.5	50.7	55.0	46.8	51.2
8 A H - 31021	56.0	58.0	58.7	57.6	50.3	50.3	53.0	58.3	53.0	50.3	52.0	57.5	48.5	52.1
9 A H - 31037	53.8	56.3	57.7	55.9	51.7	50.0	50.5	55.7	52.0	52.0	49.3	55.0	44.8	50.3
10 ANEP COMP -04	53.0	56.0	56.0	55.0	49.0	49.3	50.3	57.7	51.6	50.3	49.3	57.5	48.3	51.3
11 W C - 236	56.3	62.0	55.3	57.9	51.0	50.7	52.5	58.7	53.2	53.0	51.3	58.3	48.3	52.7
12 V C - 2005	53.5	58.0	59.3	56.9	49.3	49.3	51.5	58.3	52.1	52.5	50.3	56.0	46.3	51.3
CHECKS:														
13 SURYA	52.5	56.0	57.3	55.3	47.3	49.3	49.8	58.3	51.2	49.8	47.7	53.8	44.3	48.9
14 AMAR	52.5	60.0	54.7	55.7	48.3	49.3	47.0	58.3	50.7	49.3	49.7	52.8	45.3	49.2
15 HIM - 129	51.5	58.0	55.0	54.8	46.3	45.3	47.8	55.0	48.6	48.5	45.3	53.8	43.0	47.6
MEAN LOCATION	53.3	57.4	56.5	55.8	49.0	49.1	50.8	57.5	51.6	50.9	49.2	55.7	46.3	50.5
C.D. AT 5%	1.1	1.7	1.7	1.5	3.9	0.6	3.6	1.3	2.3	1.0	2.1	3.3	2.7	2.3
C.V. %	1.5	1.8	1.8	-	4.7	0.7	4.9	1.3	-	1.4	2.6	4.1	4.1	-
F (Prob)	.000	.000	.000	-	.152	.000	.056	.000	-	.000	.000	.042	.004	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING										ZN 4		ZN 5	
		HYDE	KARI	MAND	COIM	KOLH	MEAN	UDAI	BANS	GODH	CHHI	MEAN	OV'L MEAN		
1	J H - 31041	52.0	47.8	53.0	51.0	60.0	52.8	52.7	46.5	52.0	60.3	52.9	52.6		
2	J H - 31046	51.8	47.3	50.3	51.8	58.0	51.8	52.3	46.3	50.8	54.8	51.0	51.5		
3	J H - 31050	52.3	47.5	52.0	50.3	60.0	52.4	51.7	45.5	54.0	56.3	51.9	52.4		
4	B V M - 9	52.3	47.5	51.0	50.5	58.0	51.8	53.7	46.3	52.3	56.5	52.2	52.1		
5	F H - 3294	50.5	47.0	50.3	49.3	57.7	51.0	51.3	43.3	49.8	55.3	49.9	51.4		
6	F H - 3352	50.8	47.0	52.7	49.5	61.0	52.2	53.0	42.8	50.5	54.3	50.1	52.0		
7	S M H - 49114	51.5	47.5	51.3	48.8	60.0	51.8	52.0	49.3	52.8	56.5	52.6	52.5		
8	A H - 31021	52.5	47.8	53.3	51.3	61.7	53.3	54.0	48.8	55.5	59.0	54.3	53.8		
9	A H - 31037	51.0	47.8	52.0	49.5	60.0	52.0	51.7	48.0	53.5	57.3	52.6	52.4		
10	ANEP COMP -04	51.0	47.8	51.3	49.5	58.0	51.5	51.7	45.8	52.3	56.0	51.4	52.0		
11	W C - 236	52.8	48.0	52.7	48.5	62.0	52.8	53.7	51.3	54.5	61.5	55.2	54.1		
12	V C - 2005	52.5	47.5	53.7	51.5	59.7	53.0	52.7	48.8	52.5	56.8	52.7	53.0		
CHECKS:															
13	SURYA	51.0	46.0	50.0	50.0	57.0	50.8	51.0	46.3	51.8	53.3	50.6	51.1		
14	AMAR	51.5	46.5	51.3	49.8	58.0	51.4	51.3	43.3	48.5	55.5	49.6	51.1		
15	HIM - 129	51.5	43.5	47.0	49.8	52.7	48.9	49.3	42.5	50.5	52.5	48.7	49.4		
	MEAN LOCATION	51.7	47.1	51.5	50.0	58.9	51.8	52.1	46.3	52.1	56.4	51.7	52.1		
	C.D. AT 5% =	1.8	1.3	2.6	0.9	0.7	1.5	1.8	2.0	0.8	1.4	1.5	-		
	C.V. % =	2.5	1.9	3.1	1.3	0.7	-	2.0	3.0	1.1	1.7	-	-		
	F (Prob)	.318	.000	.003	.000	.000	-	.001	.000	.000	.000	-	-		

TABLE NO. 4 (CONT.)

SI	NO PEDIGREE	DAYS TO 50% DRY HUSK					ZN 2			ZN 3			
		ALMO	BAJA	KANG	MEAN	KARN	KANP	MEAN	BELI	VARA	DHOL	JASH	MEAN
1	J H - 31041	100.5	98.0	82.7	93.7	84.0	79.3	81.7	85.5	83.3	81.0	82.5	83.1
2	J H - 31046	97.0	94.0	85.0	92.0	81.7	78.0	79.8	81.3	81.3	80.8	79.3	80.6
3	J H - 31050	99.3	98.0	82.7	93.3	84.0	78.7	81.3	81.3	82.3	79.8	80.8	81.0
4	B V M - 9	97.5	95.0	84.3	92.3	82.7	79.7	81.2	80.5	79.0	80.3	79.3	79.8
5	F H - 3294	96.8	94.0	84.3	91.7	80.3	78.0	79.2	80.0	79.0	76.0	75.5	77.6
6	F H - 3352	97.5	96.3	84.7	92.8	80.3	78.3	79.3	78.3	78.3	79.0	75.8	77.8
7	S M H - 49114	99.3	95.0	85.0	93.1	78.7	76.3	77.5	83.5	81.0	78.3	80.0	80.7
8	A H - 31021	98.8	96.0	86.7	93.8	84.0	79.0	81.5	85.8	81.0	82.5	79.3	82.1
9	A H - 31037	98.3	96.3	84.7	93.1	81.0	76.7	78.8	83.5	81.7	79.0	79.8	81.0
10	ANEP COMP -04	97.5	94.3	84.3	92.1	80.3	78.7	79.5	81.3	80.3	79.8	81.3	80.6
11	W C - 236	100.5	98.0	84.3	94.3	85.3	78.7	82.0	85.3	82.7	82.5	83.3	83.4
12	V C - 2005	96.3	94.0	84.7	91.6	84.0	79.3	81.7	82.8	77.7	78.0	79.0	79.4
CHECKS:													
13	SURYA	94.0	94.0	84.7	90.9	82.7	80.0	81.3	78.8	77.3	78.3	75.5	77.5
14	AMAR	96.0	95.0	83.7	91.6	83.0	79.0	81.0	80.3	78.0	77.5	76.5	78.1
15	HIM - 129	97.0	96.0	82.3	91.8	78.3	75.3	76.8	79.8	73.7	74.8	74.3	75.6
	MEAN LOCATION	97.7	95.6	84.3	92.5	82.0	78.3	80.2	81.8	79.8	79.2	78.8	79.9
	C.D. AT 5%	1.8	2.1	0.9	1.6	0.8	1.3	1.0	1.6	2.1	3.7	2.0	2.3
	C.V. %	1.3	1.3	0.7	-	0.5	1.0	-	1.3	1.5	3.2	1.8	-
	F (Prob)	.000	.001	.000	-	.000	.000	-	.000	.000	.004	.000	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK										OV'L MEAN
		HYDE	KARI	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	J H - 31041	82.3	80.0	91.0	91.3	86.1	75.0	75.8	77.3	93.0	80.3	84.8
2	J H - 31046	82.3	78.0	91.8	90.3	85.6	74.3	75.3	77.8	85.0	78.1	83.1
3	J H - 31050	83.0	78.8	90.3	92.0	86.0	76.7	76.3	79.3	89.0	80.3	84.2
4	B V M - 9	83.3	78.5	90.5	90.7	85.7	76.0	74.5	77.3	86.0	78.4	83.2
5	F H - 3294	82.3	78.0	89.3	91.3	85.2	74.3	74.5	76.8	87.0	78.1	82.2
6	F H - 3352	82.0	77.3	89.5	93.0	85.4	74.0	72.8	78.0	87.5	78.1	82.5
7	S M H - 49114	82.8	78.8	88.8	92.0	85.6	77.7	77.0	78.8	86.5	80.0	83.5
8	A H - 31021	82.0	78.3	91.3	92.7	86.0	80.0	77.5	81.5	90.0	82.3	85.1
9	A H - 31037	82.8	79.0	89.5	92.0	85.8	76.3	75.3	78.0	85.5	78.8	83.5
10	ANEP COMP -04	81.8	78.3	89.5	90.3	85.0	75.0	74.8	77.3	89.0	79.0	83.2
11	W C - 236	82.8	79.3	88.5	93.0	85.9	76.0	78.3	79.5	94.0	81.9	85.4
12	V C - 2005	81.5	78.0	91.5	91.3	85.6	73.3	76.5	77.5	89.0	79.1	83.2
CHECKS:												
13	SURYA	82.0	77.3	90.0	90.0	84.8	74.0	74.5	78.8	81.0	77.1	81.9
14	AMAR	83.3	78.5	89.8	91.7	85.8	75.0	74.5	76.0	85.0	77.6	82.5
15	HIM - 129	82.0	76.0	89.8	86.7	83.6	73.7	73.3	77.5	81.0	76.4	80.7
	MEAN LOCATION	82.4	78.3	90.1	91.2	85.5	75.4	75.4	78.1	87.2	79.0	83.3
	C.D. AT 5%	2.3	1.9	0.9	1.1	1.6	2.2	2.6	1.4	1.0	1.8	-
	C.V. %	2.0	1.7	0.7	0.7	-	1.7	2.4	1.2	0.8	-	-
	F (Prob)	.946	.046	.000	.000	-	.000	.004	.000	.000	-	-

TABLE NO. 4 (CONT.)

SI	NO PEDIGREE	MOISTURE & AT HARVEST										Zn 4 MEAN		
		ALMO	BAJA	KANG	ZN 1 MEAN	ZN 2 PANT	GORA BELI	VARA	JASH	ZN 3 MEAN	HYDE		MAND	KOLH
1	J H - 31041	33.8	21.8	21.7	25.7	24.7	21.5	32.8	16.5	23.6	21.1	17.2	15.6	18.0
2	J H - 31046	30.2	21.1	21.1	24.1	27.3	20.7	28.7	15.6	21.6	19.6	18.3	15.3	17.7
3	J H - 31050	33.1	21.3	19.8	24.7	35.7	20.9	30.0	15.9	22.3	20.3	18.6	17.1	18.6
4	B V M - 9	30.4	25.7	20.9	25.7	30.3	20.8	28.8	16.2	21.9	23.0	17.9	17.0	19.3
5	F H - 3294	32.8	19.5	21.4	24.5	27.2	20.6	28.5	15.7	21.6	20.8	17.9	16.7	18.5
6	F H - 3352	31.1	21.5	20.4	24.3	27.5	19.6	30.8	15.3	21.9	23.4	18.3	17.3	19.6
7	S M H - 49114	31.8	21.1	20.4	24.4	26.0	21.8	29.1	15.9	22.3	22.7	17.6	15.6	18.6
8	A H - 31021	31.2	22.3	21.8	25.1	25.4	20.9	30.0	15.9	22.3	18.8	18.9	14.7	17.5
9	A H - 31037	30.3	23.0	22.6	25.3	26.6	21.0	34.0	16.0	23.6	21.9	18.5	17.4	19.2
10	ANEP COMP -04	31.8	20.3	19.5	23.9	25.3	21.7	30.4	15.8	22.6	21.3	18.7	15.8	18.6
11	W C - 236	34.5	22.4	20.3	25.7	27.8	22.4	32.8	15.9	23.7	22.2	18.3	15.2	18.6
12	V C - 2005	31.8	20.8	18.5	23.7	28.1	21.1	29.7	16.0	22.3	23.0	17.9	13.8	18.2
CHECKS:														
13	SURYA	28.0	19.9	21.1	23.0	24.5	20.6	30.5	15.7	22.3	19.8	17.6	15.5	17.6
14	AMAR	29.3	20.0	20.4	23.3	22.8	20.1	29.5	15.8	21.8	19.9	18.3	14.5	17.6
15	HIM - 129	28.8	19.8	19.5	22.7	27.3	20.1	26.4	15.6	20.7	19.4	17.8	14.0	17.1
	MEAN LOCATION	31.3	21.4	20.6	24.4	27.1	20.9	30.1	15.8	22.3	21.1	18.1	15.7	18.3
	C.D. AT 5% =	2.8	2.1	2.2	2.4	4.3	0.9	0.8	0.3	0.7	1.5	1.2	2.0	1.6
	C.V. % =	6.3	6.0	6.3	-	11.0	3.0	1.6	1.5	-	5.1	4.0	7.7	-
	F (Prob)	.001	.000	.058	-	.000	.000	.000	.000	-	.000	.291	.009	-

TABLE NO. 4 (CONT.)

Sl NO	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *					ZN 3 MEAN			
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	OV'L MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 2 KANP		ZN 3 BELI	ZN 3 GORA	ZN 3 DHOL
1	J H - 31041	17.3	16.8	12.2	14.6	15.2	20.5	2.5	2.2	2.3	3.2	2.4	2.9	4.0	3.1
2	J H - 31046	14.5	16.8	12.4	14.3	14.5	19.7	2.5	2.5	2.5	3.3	2.1	2.9	4.0	3.0
3	J H - 31050	16.6	17.6	12.6	14.8	15.4	21.0	2.4	2.3	2.4	3.3	2.0	3.1	3.0	2.7
4	B V M - 9	15.0	16.6	13.4	16.7	15.4	20.9	2.5	2.3	2.4	3.3	2.6	3.4	4.3	3.4
5	F H - 3294	16.3	16.9	12.6	17.3	15.8	20.3	2.5	2.5	2.5	3.0	2.6	3.0	4.0	3.2
6	F H - 3352	15.4	16.9	12.0	16.0	15.1	20.4	2.3	2.7	2.5	3.0	3.0	3.1	3.0	3.0
7	S M H - 49114	18.7	17.8	13.3	15.9	16.4	20.5	2.3	2.0	2.2	3.0	2.4	3.3	2.0	2.5
8	A H - 31021	16.3	16.5	14.6	17.7	16.3	20.4	2.5	2.3	2.4	2.8	2.4	2.4	2.5	2.4
9	A H - 31037	15.6	16.8	16.3	16.3	16.2	21.1	2.6	2.3	2.5	3.0	2.3	2.6	3.0	2.6
10	ANEP COMP - 04	14.9	17.1	14.5	17.2	15.9	20.3	2.5	2.3	2.4	3.0	2.5	2.8	5.0	3.4
11	W C - 236	17.9	16.9	12.3	16.3	15.8	21.1	2.6	2.2	2.4	3.2	2.3	3.0	3.5	2.9
12	V C - 2005	14.9	17.1	13.6	16.6	15.5	20.2	2.5	2.5	2.5	3.2	2.8	3.1	3.5	3.1
CHECKS:															
13	SURYA	15.1	16.9	13.7	16.9	15.7	19.7	2.7	2.5	2.6	3.0	2.9	3.5	5.0	3.8
14	AMAR	14.6	16.6	12.4	17.0	15.2	19.4	2.5	2.2	2.3	3.0	2.9	3.0	4.3	3.4
15	HIM - 129	15.3	16.4	12.7	16.3	15.2	19.2	2.7	2.7	2.7	2.2	3.0	3.3	4.8	3.7
MEAN LOCATION		15.9	16.9	13.2	16.3	15.6	20.3	2.5	2.4	2.4	3.0	2.5	3.0	3.7	3.1
C.D. AT 5% =		0.4	0.8	0.4	0.9	0.6	-	0.2	0.5	0.3	0.3	0.4	0.6	0.6	0.5
C.V. % =		1.4	3.4	1.9	4.0	-	-	4.3	13.3	-	6.3	10.2	15.1	10.7	-
F (Prob)		.000	.099	.000	.000	-	-	.001	.393	-	.000	.000	.108	.000	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *										OV'L MEAN
		HYDE	KARI	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	J H - 31041	2.6	2.3	2.3	2.2	2.3	2.0	2.0	2.3	1.0	1.8	2.4
2	J H - 31046	2.6	2.5	2.7	2.2	2.5	3.0	1.8	1.3	1.5	1.9	2.5
3	J H - 31050	2.6	2.5	2.3	2.2	2.4	1.8	2.0	2.3	1.8	2.0	2.4
4	B V M - 9	2.5	2.8	2.3	1.7	2.3	2.8	2.3	2.5	1.5	2.3	2.6
5	F H - 3294	2.5	2.0	3.0	1.5	2.3	3.0	2.1	2.5	2.0	2.4	2.6
6	F H - 3352	2.4	2.5	2.0	1.5	2.1	3.2	2.3	2.8	2.0	2.5	2.6
7	S M H - 49114	2.4	2.5	2.3	1.7	2.2	1.6	2.1	1.3	1.3	1.6	2.1
8	A H - 31021	2.8	2.3	2.7	2.3	2.5	2.3	1.9	2.5	1.5	2.1	2.4
9	A H - 31037 @	2.5	2.8	2.0	1.8	2.3	2.5	2.3	2.0	2.0	2.2	2.4
10	ANEP COMP -04	2.6	3.3	2.3	2.0	2.6	2.7	2.1	2.5	2.0	2.3	2.7
11	W C - 236	2.5	2.5	3.0	2.3	2.6	2.7	1.9	2.8	1.5	2.2	2.6
12	V C - 2005	2.6	3.3	3.0	2.2	2.8	3.0	2.3	2.5	2.0	2.4	2.7
CHECKS:												
13	SURYA	2.9	3.0	2.0	2.2	2.5	2.7	2.5	2.5	2.5	2.5	2.8
14	AMAR	2.8	2.5	2.0	1.5	2.2	3.2	2.1	2.5	2.5	2.6	2.6
15	HIM - 129	2.8	3.0	2.7	2.2	2.6	2.9	2.3	3.8	2.5	2.8	2.9
MEAN LOCATION												
C.D. AT 5%		0.5	0.7	0.7	0.4	0.6	0.6	0.5	0.7	0.4	0.6	-
C.V. %		13.6	19.2	17.3	13.6	-	14.0	15.9	22.0	16.0	-	-
F (Prob)		.797	.034	.029	.001	-	.000	.247	.000	.000	-	-

TABLE NO. 4 (CONT.)

S1 NO PEDIGREE	EAR ASPECT *										ZN 4 KOLH MEAN		
	ALMO	BAJA	ZN 1 MEAN	ZN 2 KAMP	GORA BELI	DHOL	JASH MEAN	ZN 3 MEAN	HYDE	KARI		MAND	
1 J H - 31041	2.5	2.3	2.4	3.2	2.4	2.5	3.5	2.8	3.0	1.0	2.3	2.0	2.1
2 J H - 31046	2.5	2.5	2.5	3.2	2.0	2.0	3.3	2.4	3.0	1.5	2.3	2.7	2.4
3 J H - 31050	2.5	2.2	2.3	3.0	2.3	2.1	2.8	2.4	2.9	1.8	1.7	1.8	2.0
4 B V M - 9	2.5	2.3	2.4	3.2	2.3	3.0	4.3	3.2	3.0	1.5	3.0	1.8	2.3
5 F H - 3294	2.5	2.7	2.6	2.8	2.5	3.1	4.0	3.2	3.3	2.0	2.3	1.7	2.3
6 F H - 3352	2.4	2.7	2.5	2.8	3.1	3.9	3.3	3.4	3.0	2.0	1.7	1.8	2.1
7 S M H - 49114	2.1	2.0	2.0	2.8	2.8	2.8	2.0	2.5	2.5	1.8	2.7	1.8	2.2
8 A H - 31021	2.4	2.3	2.4	2.8	2.9	3.1	2.3	2.8	3.3	1.5	2.3	2.0	2.3
9 A H - 31037	2.5	2.3	2.4	3.0	2.9	3.1	3.0	3.0	3.0	1.0	2.7	2.2	2.2
10 ANEP COMP -04	2.5	2.5	2.5	2.8	2.8	2.5	4.5	3.3	3.3	2.0	3.0	2.2	2.6
11 W C - 236	2.6	2.2	2.4	3.2	2.6	2.9	4.0	3.2	3.0	2.0	3.0	1.7	2.4
12 V C - 2005	2.6	2.5	2.5	3.2	2.9	3.5	4.0	3.5	3.0	2.3	2.7	2.0	2.5
CHECKS:													
13 SURYA	2.7	2.5	2.6	3.0	2.6	3.5	4.8	3.6	3.3	2.5	2.3	2.5	2.6
14 AMAR	2.6	2.3	2.5	2.7	2.5	3.1	5.0	3.5	3.1	2.0	3.0	2.2	2.6
15 HIM - 129	2.7	2.7	2.7	2.2	3.0	3.6	4.8	3.8	3.3	2.3	2.7	2.2	2.6
MEAN LOCATION	2.5	2.4	2.4	2.9	2.6	3.0	3.7	3.1	3.0	1.8	2.5	2.0	2.3
C.D. AT 5%	0.1	0.4	0.2	0.4	0.4	0.8	0.6	0.6	0.3	0.6	1.1	0.6	0.7
C.V. %	4.1	8.7	-	8.2	10.9	17.7	11.0	-	7.5	24.7	26.2	17.6	-
F (Prob)	.000	.014	-	.001	.000	.000	.000	-	.003	.000	.263	.077	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				ZN 3 JASH MEAN				
		UDAI	BANS	GODH	CHHI	ZN 5 OV'L MEAN	ALMO	BAJA	ZN 1 MEAN		ZN 2 KAMP	CORA BELI		
1	J H - 31041	2.1	1.9	3.0	1.5	2.1	2.4	2.4	2.0	2.2	2.8	1.8	2.3	2.0
2	J H - 31046	4.4	1.8	2.0	1.8	2.5	2.5	2.2	2.2	2.2	3.2	2.1	2.8	2.4
3	J H - 31050	2.2	1.9	2.5	2.3	2.2	2.3	2.0	2.2	2.1	2.7	1.9	2.0	1.9
4	B V M - 9	2.7	2.1	2.5	1.8	2.3	2.6	2.0	2.0	2.0	2.5	2.3	2.5	2.4
5	F H - 3294	4.3	2.0	2.8	2.1	2.8	2.7	2.2	2.2	2.2	2.7	2.1	3.3	2.7
6	F H - 3352	4.2	2.3	2.5	1.6	2.7	2.7	2.0	2.2	2.1	2.7	2.4	2.3	2.3
7	S M H - 49114	1.3	2.1	2.0	2.0	1.9	2.2	1.8	2.0	1.9	2.8	2.0	1.8	1.9
8	A H - 31021	1.9	1.9	2.8	1.2	1.9	2.3	2.1	2.0	2.0	2.7	2.6	2.3	2.4
9	A H - 31037	2.4	2.0	3.0	1.8	2.3	2.5	2.1	2.2	2.1	2.5	2.1	2.5	2.3
10	ANEP COMP -04	3.2	2.0	2.8	1.8	2.4	2.7	2.3	2.3	2.3	2.7	2.1	3.5	2.8
11	W C - 236	2.6	2.0	2.5	1.8	2.2	2.6	2.1	2.0	2.0	2.7	2.1	2.3	2.2
12	V C - 2005	3.6	2.4	2.5	1.8	2.5	2.8	2.1	2.3	2.2	2.7	2.8	2.5	2.6
CHECKS:														
13	SURYA	3.4	1.9	2.8	2.5	2.6	2.9	2.0	2.2	2.1	2.7	2.5	3.3	2.9
14	AMAR	4.4	2.3	2.8	2.3	2.9	2.9	2.1	2.3	2.2	2.7	2.3	3.3	2.8
15	HIM - 129	2.7	2.5	3.0	2.5	2.7	2.9	2.2	2.3	2.3	2.2	2.8	4.0	3.4
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														
- 10.1 13.5 17.7 -														
- .090 .000 .000 -														

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	HUSK COVER *										OV/L MEAN
		HYDE	KARI	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN		
1	J H - 31041	2.6	2.3	2.7	2.0	2.4	1.8	2.0	1.0	1.6	2.1	
2	J H - 31046	2.1	2.0	2.3	2.0	2.1	2.0	1.9	1.5	1.8	2.2	
3	J H - 31050	2.5	2.0	2.7	2.3	2.4	1.6	2.1	1.0	1.6	2.1	
4	B V M - 9	2.5	2.0	2.7	2.2	2.3	2.1	2.4	1.5	2.0	2.2	
5	F H - 3294	2.5	1.5	2.7	1.5	2.0	2.6	2.3	1.0	2.0	2.2	
6	F H - 3352	2.3	1.5	2.3	1.5	1.9	2.4	2.3	1.5	2.0	2.1	
7	S M H - 49114	2.3	2.0	2.3	1.5	2.0	1.5	2.0	1.0	1.5	1.9	
8	A H - 31021	2.5	2.3	2.7	2.0	2.4	1.6	1.9	1.5	1.7	2.2	
9	A H - 31037	2.3	2.0	2.3	2.0	2.1	1.8	2.4	2.0	2.1	2.2	
10	ANEP COMP -04	2.3	2.3	3.0	1.5	2.3	2.1	1.9	2.0	2.0	2.3	
11	W C - 236	2.4	2.5	3.0	2.3	2.6	1.9	2.1	1.5	1.8	2.2	
12	V C - 2005	2.6	2.0	3.0	2.3	2.5	2.1	2.1	1.5	1.9	2.3	
CHECKS:												
13	SURYA	2.8	1.8	2.3	2.2	2.3	2.3	2.1	2.0	2.1	2.3	
14	AMAR	2.3	2.0	2.0	1.5	1.9	2.1	2.4	1.5	2.0	2.2	
15	HIM - 129	2.4	2.3	2.7	1.7	2.2	2.0	2.6	1.5	2.0	2.4	
MEAN LOCATION												
C.D. AT 5%		0.5	0.6	0.8	0.3	0.6	0.5	0.5	0.4	0.5	-	
C.V. %		15.1	21.9	19.1	9.3	-	15.8	16.6	19.6	-	-	
F (Prob)		.493	.134	.415	.000	-	.011	.159	.000	-	-	

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *							ZN 3 MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 KAMP	GORA BELI	DHOL	JASH	
1	J H - 31041	2.6	2.2	2.4	3.2	2.0	2.8	3.0	2.6
2	J H - 31046	2.7	2.2	2.4	3.2	2.1	2.4	3.0	2.5
3	J H - 31050	2.5	2.5	2.5	2.8	1.6	3.1	2.5	2.4
4	B V M - 9	2.8	2.5	2.7	3.2	2.6	3.3	3.3	3.0
5	F H - 3294	2.4	1.8	2.1	2.7	2.1	3.4	3.5	3.0
6	F H - 3352	2.5	2.3	2.4	3.0	2.3	3.5	2.8	2.8
7	S M H - 49114	2.4	2.3	2.4	3.0	1.8	3.1	2.5	2.5
8	A H - 31021	2.7	2.2	2.4	2.7	2.3	1.9	2.5	2.2
9	A H - 31037	2.7	2.3	2.5	2.2	2.3	2.5	3.5	2.8
10	ANEP COMP -04	2.7	2.2	2.4	2.8	2.8	3.1	4.5	3.5
11	W C - 236	2.8	2.3	2.6	2.8	2.4	3.3	3.0	2.9
12	V C - 2005	2.7	2.3	2.5	3.2	3.1	3.0	3.3	3.1
CHECKS:									
13	SURYA	2.8	2.5	2.7	3.0	2.4	3.6	3.8	3.3
14	AMAR	2.7	2.2	2.4	2.5	2.5	3.4	3.8	3.2
15	HIM - 129	2.6	2.2	2.4	2.0	2.6	3.6	3.8	3.3
MEAN LOCATION									
C.D. AT 5% =									
C.V. % =									
F (Prob) =									
		.001	.364	-	.000	.000	.007	.000	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *										ZN 5		OV'L	
		HYDE	KARI	MAND	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI	MEAN	OV'L MEAN			
1	J H - 31041	2.4	2.3	2.7	2.0	2.3	1.9	2.0	2.3	1.3	1.9	2.3	2.3		
2	J H - 31046	2.5	2.3	2.7	2.0	2.4	2.8	1.9	2.0	1.5	2.1	2.4	2.4		
3	J H - 31050	2.5	2.3	2.7	2.3	2.4	1.8	2.0	2.5	1.8	2.0	2.4	2.4		
4	B V M - 9	2.6	3.0	3.0	2.3	2.7	2.6	2.3	2.5	1.8	2.3	2.7	2.7		
5	F H - 3294	2.6	1.3	2.0	1.7	1.9	3.8	2.1	2.0	1.5	2.3	2.3	2.3		
6	F H - 3352	2.9	1.5	2.3	1.5	2.1	1.7	2.1	2.5	2.0	2.1	2.3	2.3		
7	S M H - 49114	2.5	2.5	2.3	1.5	2.2	1.5	1.9	1.0	1.0	1.3	2.1	2.1		
8	A H - 31021	2.4	2.3	2.3	2.2	2.3	2.1	2.0	2.0	1.8	2.0	2.2	2.2		
9	A H - 31037	2.6	2.5	2.7	1.8	2.4	2.5	2.3	2.0	2.0	2.2	2.4	2.4		
10	ANEP. COMP - 04	2.6	3.5	2.7	1.8	2.7	2.5	2.1	2.5	2.0	2.3	2.7	2.7		
11	W C - 236	2.4	3.0	2.7	2.2	2.6	3.2	2.3	2.0	1.5	2.2	2.6	2.6		
12	V C - 2005	2.6	3.0	2.3	2.3	2.6	2.5	2.1	2.0	2.0	2.2	2.6	2.6		
CHECKS:															
13	SURYA	2.9	2.5	3.0	3.0	2.8	3.0	2.3	2.5	2.0	2.4	2.8	2.8		
14	AMAR	2.5	2.3	3.0	1.5	2.3	2.7	2.1	2.5	2.0	2.3	2.5	2.5		
15	HIM - 129	2.8	1.8	2.0	2.0	2.1	2.5	2.4	3.0	2.0	2.5	2.5	2.5		
MEAN LOCATION															
C.D. AT 5%		0.5	1.1	0.8	0.4	0.7	0.6	0.5	0.6	0.3	0.5	-	-		
C.V. %		14.4	32.4	19.0	12.1	-	14.8	17.9	18.0	12.5	-	-	-		
F (Prob)		.710	.015	.245	.000	-	.000	.857	.000	.000	-	-	-		

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (cm)													
		ZN 1		ZN 2		ZN 3		GORA		JASH MEAN					
		ALMO	BAJA	KANG	MEAN	DELH	KARN	PANT	KANP	MEAN	BELI	VARA	DHOL	JASH	MEAN
1	J H - 31041	223	203	200	209	153	173	189	161	169	138	200	153	116	152
2	J H - 31046	229	220	198	216	177	192	198	185	188	148	195	151	138	158
3	J H - 31050	219	221	188	209	148	180	187	165	170	144	178	153	133	152
4	B V M - 9	219	216	178	204	140	185	202	160	172	147	225	165	144	170
5	F H - 3294	212	191	182	195	127	162	184	169	160	124	190	151	118	146
6	F H - 3352	219	185	172	192	132	163	189	174	165	132	195	137	119	146
7	S M H - 49114	227	219	200	215	152	188	200	175	179	149	208	145	135	159
8	A H - 31021	224	203	177	201	145	190	218	170	181	141	220	132	135	157
9	A H - 31037	218	209	175	200	138	173	207	187	176	139	190	167	127	156
10	ANEP COMP -04	225	202	182	203	167	185	197	185	183	155	203	146	123	157
11	W C - 236	236	198	183	206	170	190	196	161	179	151	230	135	120	159
12	V C - 2005	216	191	185	197	138	172	164	170	161	134	193	141	129	149
CHECKS:															
13	SURYA	223	214	193	210	138	190	193	151	168	150	195	136	123	151
14	AMAR	212	203	195	203	130	185	192	158	166	127	183	149	123	145
15	HIM - 129	206	197	153	185	115	162	183	165	156	125	190	130	113	140
MEAN LOCATION		220	205	184	203	145	179	193	169	172	140	200	146	126	153
C.D. AT 5% =		11.8	22.8	12.4	15.6	24.5	9.8	22.3	1.4	14.5	17.4	18.3	5.1	5.9	11.7
C.V. % =		3.7	6.7	4.0	-	10.1	3.3	8.1	0.5	-	8.7	5.5	2.5	3.3	-
F (Prob)		.001	.044	.000	-	.001	.000	.013	.000	-	.006	.000	.000	.000	-

TABLE NO. 4 (CONT.)

SI	NO PEDIGREE	PLANT HEIGHT (cm)										OV'L MEAN	
		HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	GODH	CHHI		ZN 5 MEAN
1	J H - 31041	183	167	174	176	140	168	156	173	145	139	153	168
2	J H - 31046	200	199	164	168	123	171	155	181	136	136	152	175
3	J H - 31050	175	196	170	178	140	172	144	174	125	134	144	168
4	B V M - 9	170	208	190	178	178	185	170	193	139	146	162	178
5	F H - 3294	193	189	166	164	152	173	160	185	145	130	155	165
6	F H - 3352	168	175	154	169	112	155	127	176	105	130	134	157
7	S M H - 49114	203	204	182	179	135	181	175	175	145	149	161	177
8	A H - 31021	190	178	164	177	165	175	141	189	118	140	147	171
9	A H - 31037	170	200	183	169	148	174	163	179	105	139	146	169
10	ANEP COMP -04	185	178	171	181	142	171	168	191	126	133	155	172
11	W C - 236	165	178	185	175	140	169	146	214	148	153	165	174
12	V C - 2005	170	169	167	167	160	166	148	186	145	134	153	164
CHECKS:													
13	SURYA	183	190	174	163	130	168	159	193	123	134	152	168
14	AMAR	155	187	170	166	135	163	148	188	155	135	156	165
15	HIM - 129	175	172	157	166	147	163	133	170	108	116	132	154
MEAN LOCATION													
C.D. AT 5%		21.2	24.9	26.5	7.7	5.3	17.1	27.1	21.0	6.1	21.4	18.9	-
C.V. %		8.3	9.4	9.2	3.1	2.2	-	10.6	8.0	3.2	11.0	-	-
F (Prob)		.001	.019	.290	.000	.000	-	.044	.020	.000	.000	-	-

TABLE NO. 4 (CONT.)

S1 NO PEDIGREE	EAR HEIGHT (cm)										ZN 3 JASH MEAN			
	ALMO	BAJA	KANG	ZN 1 MEAN	DELH	KARN	PANT	KANP	ZN 2 MEAN	GORA BELI VARA		DHOL		
1 J H - 31041	117	116	68	100	68	80	81	56	71	52	88	73	38	63
2 J H - 31046	127	112	73	104	78	107	81	60	82	60	80	78	62	70
3 J H - 31050	124	110	72	102	67	97	82	60	76	59	83	79	63	71
4 B V M - 9	125	116	60	100	62	92	86	54	73	60	95	87	62	76
5 F H - 3294	104	86	72	87	50	77	72	70	67	39	73	67	45	56
6 F H - 3352	123	94	52	90	47	67	75	72	65	55	63	60	46	56
7 S M H - 49114	115	115	67	99	58	88	77	65	72	53	60	67	54	58
8 A H - 31021	123	108	58	97	60	117	107	60	86	66	103	74	59	75
9 A H - 31037	121	111	68	100	52	98	89	85	81	52	73	91	56	68
10 ANEP COMP -04	124	109	70	101	70	97	86	61	78	61	93	75	52	70
11 W C - 236	128	105	65	99	58	110	86	55	77	72	90	58	52	68
12 V C - 2005	118	97	70	95	67	92	79	62	75	63	80	83	56	70
CHECKS:														
13 SURYA	120	120	78	106	57	100	83	52	73	63	73	56	43	59
14 AMAR	112	99	72	94	43	85	71	61	65	54	65	74	44	59
15 HIM - 129	105	93	55	84	40	77	74	60	63	45	68	63	41	54
MEAN LOCATION	119	106	67	97	58	92	82	62	74	57	79	72	52	65
C.D. AT 5%	10.1	22.7	6.9	13.2	12.0	9.8	14.4	4.0	10.1	13.3	18.2	7.6	4.4	10.9
C.V. %	5.9	12.8	6.2	-	12.3	6.4	12.4	3.9	-	16.4	13.8	7.4	6.0	-
F (Prob)	.000	.134	.000	-	.000	.000	.003	.000	-	.002	.001	.000	.000	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (CM)										ZN 5 MEAN	OV'L MEAN
		HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	UDAI	BANS	CODH	CHHI		
1	J H - 31041	103	81	75	91	58	81	75	71	55	49	63	75
2	J H - 31046	110	82	76	83	67	83	73	88	68	59	72	81
3	J H - 31050	93	75	78	91	67	81	72	65	61	63	65	78
4	B V M - 9	85	104	92	87	85	90	80	88	60	59	72	82
5	F H - 3294	103	74	71	79	73	80	70	89	70	39	67	71
6	F H - 3352	88	71	67	78	52	71	56	73	43	59	57	67
7	S M H - 49114	95	84	70	77	48	75	79	73	55	55	65	73
8	A H - 31021	110	79	76	85	75	85	63	84	45	56	62	80
9	A H - 31037	95	87	81	81	55	80	78	70	45	49	61	77
10	ANEP COMP -04	108	76	62	85	68	80	87	89	43	56	69	78
11	W C - 236	83	83	81	80	63	78	77	108	63	74	80	80
12	V C - 2005	90	81	77	78	80	81	84	94	66	68	78	79
CHECKS:													
13	SURYA	95	68	74	68	62	73	72	91	49	61	68	74
14	AMAR	80	70	71	81	62	73	75	74	71	48	67	71
15	HIM - 129	90	60	68	70	73	72	63	85	41	44	58	66
MEAN LOCATION		95	78	75	81	66	79	74	83	56	56	67	75
C.D. AT 5%		14.4	12.2	20.3	7.8	6.3	12.2	15.9	21.4	5.3	12.8	13.8	-
C.V. %		10.6	10.9	16.3	6.7	5.7	-	12.9	18.2	6.7	16.0	-	-
F (Prob)		.001	.000	.445	.000	.000	-	.036	.018	.000	.000	-	-

TABLE NO. 4 (CONT.)

Sl NO	PEDIGREE	EAR No. / PLANT												OV'L MEAN	
		ALMO	DELH	BELI	VARA	HYDE	KARI	MAND	COIM	KOLH	UDAI	BANS	GODH		CHHI
1	J H - 31041	1.02	0.62	0.95	1.01	1.02	0.98	1.03	1.04	0.93	1.01	0.92	0.98	0.97	0.96
2	J H - 31046	1.06	0.55	0.92	1.09	1.01	1.05	0.96	1.02	0.99	1.00	0.94	0.98	0.95	0.96
3	J H - 31050	1.04	0.49	0.93	0.98	1.06	0.90	0.97	0.95	0.89	1.01	0.95	0.99	0.94	0.93
4	B V M - 9	1.04	0.86	0.97	0.98	1.03	0.90	1.09	0.99	0.93	0.84	0.97	0.92	0.86	0.95
5	F H - 3294	1.08	0.69	0.91	1.08	1.02	0.96	1.01	0.92	0.98	0.90	0.97	0.99	0.87	0.95
6	F H - 3352	1.08	0.56	0.90	1.04	1.00	1.02	1.00	0.96	0.81	0.81	1.00	0.98	0.89	0.93
7	S M H - 49114	1.09	0.62	0.93	1.02	1.00	0.96	0.97	0.93	1.13	0.82	0.96	0.98	0.90	0.95
8	A H - 31021	1.05	0.75	0.95	1.07	1.04	0.90	0.95	0.90	1.03	0.59	0.90	0.98	0.97	0.93
9	A H - 31037	1.06	0.72	0.95	0.87	1.02	0.91	1.01	0.97	0.97	0.73	0.98	0.96	0.97	0.93
10	ANEP COMP -04	1.02	0.73	0.94	0.91	1.01	0.91	1.14	1.02	1.00	0.54	1.04	0.98	0.94	0.94
11	W C - 236	1.09	0.79	0.95	1.01	1.01	0.84	0.96	0.97	0.95	0.59	0.98	0.99	0.93	0.93
12	V C - 2005	1.10	0.74	0.92	1.11	1.05	0.88	1.08	0.93	0.98	0.87	0.91	0.99	0.96	0.96
CHECKS:															
13	SURYA	1.04	0.89	0.93	0.97	1.01	0.91	1.06	0.98	0.83	0.83	0.91	0.98	0.93	0.94
14	AMAR	1.03	0.48	0.95	1.01	1.05	0.93	1.11	0.90	0.99	0.69	0.98	0.98	0.97	0.93
15	HIM - 129	1.09	0.78	0.96	0.99	1.00	0.97	1.00	0.93	0.93	0.91	1.04	0.98	0.97	0.97
	MEAN LOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C.D. AT 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C.V. %	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F (Prob)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE NO. 4 (CONT.)

SI NO	PEDIGREE	H. turcicum *			H. maydis *			Zn 1 MEAN	PHYSO -DERMA *	BLSB *
		ALMO	BAJA	OV'L MEAN	ALMO	BAJA	ALMO			
1	J H - 31041	1.9	2.0	2.0	2.3	2.1	1.4	1.5	1.9	1.3
2	J H - 31046	2.7	2.7	2.7	2.8	2.7	1.8	1.7	2.2	1.0
3	J H - 31050	1.8	2.8	2.3	1.5	2.0	1.9	2.0	2.2	1.1
4	B V M - 9	2.0	2.0	2.0	2.2	2.1	1.9	1.8	1.6	1.0
5	F H - 3294	1.4	1.7	1.5	1.5	1.5	1.5	1.7	1.3	1.0
6	F H - 3352	1.8	1.5	1.6	2.2	1.8	1.4	1.7	1.1	1.2
7	S M H - 49114	1.3	1.7	1.5	1.5	1.5	1.6	1.5	1.8	1.0
8	A H - 31021	1.8	1.7	1.7	2.7	2.0	1.7	1.7	2.0	1.3
9	A H - 31037	2.2	1.8	2.0	2.0	2.0	1.7	1.7	1.3	1.1
10	ANEP COMP -04	2.0	2.0	2.0	2.2	2.1	1.7	1.7	1.9	1.0
11	W C - 236	1.6	1.3	1.5	2.3	1.8	1.5	1.3	1.6	1.0
12	V C - 2005	1.8	1.5	1.6	2.2	1.8	1.6	1.3	1.5	1.1
CHECKS:										
13	SURYA	2.0	2.3	2.2	2.7	2.3	1.8	1.7	1.3	1.0
14	AMAR	1.7	1.7	1.7	1.5	1.6	2.0	1.8	1.7	1.2
15	HIM - 129	2.0	1.5	1.7	1.8	1.8	1.5	1.5	1.6	1.3
MEAN LOCATION										
C.D. AT 5% =										
C.V. % =										
F (Prob) =										
		21.4	23.7	-	17.5	-	14.3	21.6	25.8	19.4
		.007	.008	-	.000	-	.003	.342	.013	.344

TABLE NO. 4 (CONT.)

S1 NO	PEDIGREE	STAND AT HARVEST										GORA		
		ALMO	BAJA	KANG	DELH	KARN	PANT	KANP	BELI	VARA	DHOL	JASH		
1	J H - 31041	22	35	32	32	27	29	37	40	37	40	27		
2	J H - 31046	23	29	30	28	30	27	38	39	37	37	30		
3	J H - 31050	23	35	32	30	28	28	37	38	34	40	25		
4	B V M - 9	20	38	25	22	27	27	38	32	31	31	27		
5	F H - 3294	20	27	29	27	26	29	37	33	37	38	26		
6	F H - 3352	22	32	29	30	27	19	38	39	38	38	25		
7	S M H - 49114	21	35	30	27	34	30	36	37	38	29	28		
8	A H - 31021	22	36	28	30	28	34	38	40	37	40	31		
9	A H - 31037	21	29	32	30	29	28	38	35	32	42	28		
10	ANEP COMP -04	21	29	29	28	27	31	36	40	35	37	26		
11	W C - 236	20	32	24	28	27	34	38	37	36	32	30		
12	V C - 2005	21	33	24	27	26	32	37	38	37	36	27		
CHECKS:														
13	SURYA	20	32	26	38	26	37	37	36	37	37	29		
14	AMAR	21	25	28	22	24	32	38	38	32	39	26		
15	HIM - 129	20	29	32	35	27	34	37	32	37	36	26		
MEAN LOCATION														
	C.D. AT 5%	2.1	5.1	3.5	9.5	5.2	9.2	1.3	5.2	7.4	6.9	3.7		
	C.V. %	7.1	9.5	7.3	19.6	11.3	21.5	2.0	10.0	12.4	13.2	9.6		
	F (Prob)	.041	.000	.000	.165	.180	.052	.192	.019	.595	.026	.061		

TABLE NO. 4 (CONT.)

S1 NO PEDIGREE	STAND AT HARVEST											OV'L MEAN
	HYDE	KARI	MAND	COIM	KOLH	UDAI	BANS	GODH	CHHI			
1 J H - 31041	30	36	35	17	42	42	38	36	39	34		
2 J H - 31046	28	38	35	25	43	39	33	28	39	33		
3 J H - 31050	28	38	36	27	39	38	38	33	39	33		
4 B V M - 9	22	33	33	27	42	37	35	24	34	30		
5 F H - 3294	18	37	34	26	43	37	34	24	37	31		
6 F H - 3352	28	34	35	24	43	33	36	28	38	32		
7 S M H - 49114	32	40	30	28	42	41	38	32	37	33		
8 A H - 31021	22	40	37	25	45	45	38	31	39	34		
9 A H - 31037	26	34	35	21	42	36	40	32	35	32		
10 ANEP COMP -04	25	35	31	26	41	32	38	27	36	31		
11 W C - 236	25	38	33	22	41	32	36	28	31	31		
12 V C - 2005	29	38	30	20	43	30	37	27	38	31		
CHECKS:												
13 SURYA	17	36	34	20	42	25	31	26	35	31		
14 AMAR	17	38	32	25	42	30	36	24	38	30		
15 HIM - 129	18	39	34	25	41	41	35	31	37	32		
MEAN LOCATION	24	37	34	24	42	36	36	29	37	32		
C.D. AT 5%	8.9	3.7	5.1	2.1	6.3	7.6	4.3	6.3	4.3	-		
C.V. %	25.7	7.1	9.2	6.2	9.0	12.7	8.3	15.5	8.2	-		
F (Prob)	.010	.003	.220	.000	.958	.001	.017	.008	.000	-		

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

TABLE NO. 5 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED		DAYS TO 50% SILKING		DAYS TO 50% DRY HUSK		MOISTURE % AT HARVEST		ZN 1 MEAN	
		BAJA	BARA	BAJA	BARA	BAJA	BARA	BAJA	BARA	BAJA	BARA
1	M. S. POOL C7	62.8	61.5	65.0	65.3	105.0	109.8	23.9	28.3	107.4	25.5
2	B. I. O. - 31006	60.8	60.8	63.3	64.0	104.8	109.3	23.9	26.8	107.0	25.3
3	CHECKS: - 2324	63.0	60.8	65.5	65.0	105.0	107.3	23.7	29.0	106.1	26.1
4	B. I. O. - 9681	61.0	60.5	63.0	63.3	101.0	109.5	24.0	29.5	105.3	26.6
5	B. I. O. - 311	62.0	61.5	65.0	65.3	107.0	108.0	23.5	28.3	107.1	26.9
6	PARBHAT LOCATION	62.1	60.7	64.6	64.4	103.8	109.0	23.5	28.5	106.4	26.0
	MEAN LOCATION	1.7	2.2	1.7	2.1	1.0	2.8	0.4	5.7	1.2	1.5
	C.V. AT 5% =	1.8	2.6	1.7	2.1	1.0	2.8	0.4	5.7	1.2	1.5
	F (Prob)	.034	.538	.039	.208	.000	.191	.001	.244	-	-

SI NO	PEDIGREE	PLANT ASPECT *		EAR ASPECT		HUSK COV *		UNIFO -RMITY*		PLANT HEIGHT (cm)	
		BAJA	BARA	BAJA	BARA	BAJA	BARA	BAJA	BARA	BAJA	BARA
1	M. S. POOL C7	2.0	1.5	2.0	1.6	2.1	1.6	2.4	1.9	208	189
2	B. I. O. - 31006	1.6	1.3	1.6	1.5	1.6	1.6	1.9	1.9	198	180
3	CHECKS: - 2324	1.9	1.8	1.8	1.3	1.8	1.6	2.1	2.3	212	188
4	B. I. O. - 9681	1.9	1.5	2.0	1.5	1.8	1.8	2.3	2.5	203	193
5	B. I. O. - 311	2.3	1.5	2.0	1.5	1.8	1.8	2.3	2.5	203	207
6	PARBHAT LOCATION	1.9	1.6	2.0	1.4	1.8	1.8	2.3	2.5	206	185
	MEAN LOCATION	1.4	0.9	0.4	0.7	0.4	0.4	0.7	0.7	22.8	190
	C.V. AT 5% =	12.9	38.2	12.6	34.9	16.0	16.0	9.7	9.7	27.3	22.8
	F (Prob)	.060	.543	.026	.921	.196	.196	.003	.003	.608	.234

SI NO	PEDIGREE	EAR HEIGHT (cm)		EAR NO. H. turc. H. mayd. / PLANT		STAND AT HARVEST	
		BAJA	BARA	BAJA	BARA	BAJA	BARA
1	M. S. POOL C7	105	76	2.0	0.98	54	61
2	B. I. O. - 31006	98	70	1.5	0.96	56	62
3	CHECKS: - 2324	119	67	1.6	0.95	63	61
4	B. I. O. - 9681	124	74	1.4	0.95	57	59
5	B. I. O. - 311	104	76	1.7	0.89	57	62
6	PARBHAT LOCATION	106	74	1.5	0.98	57	60
	MEAN LOCATION	21.6	22.1	0.9	-	6.5	6.1
	C.V. AT 5% =	13.5	19.9	1.4	-	7.5	-
	F (Prob)	.045	.820	.493	-	1.25	-

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

TABLE NO. 6

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA, KARNAL, SYNGENTA KARNAL, KANPUR IN AET 1st YEAR, TRIAL No. TR65Z2 DURING KHARIF (2005).

S1 NO PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																
	LUDH				KARN				KARN				ZN 2				
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	MEAN	R
1 B H - 3313	4039	9	3533	9	4964	9	8545	8	5271	9							
2 M. S. POOL C7	8468	4	4152	7	6496	8	10550	3	7417	5							
3 TUX. POOL C7	8237	5	4593	4	7552	5	9515	7	7474	4							
4 NECH - 129	10478	1	5666	1	11728	1	11118	2	9748	1							
5 MCH - 23	9402	3	3778	8	9582	2	10062	4	8206	3							
CHECKS:																	
6 SEEDTEC - 2324	7880	6	4478	5	7267	6	8516	9	7035	7							
7 BIO - 9681	6369	8	4813	3	7650	3	10038	5	7217	6							
8 PRO - 311	9437	2	5154	2	7580	4	11879	1	8512	2							
9 PARBHAT	6448	7	4169	6	6873	7	9633	6	6781	8							
MEAN YIELD=	7862		4482		7744		9984		7518								
MEAN STAND	61		53		35		75		56								
C.D. AT 5%=	1880		184		1069		1214		1087								
C.V. % =	16.45		2.38		8.02		7.06		-								
F (Prob)	.000		.000		.000		.000		-								
PLOT SIZE=	10.92		12.00		6.30		12.00		-								
AGRONOMY DATA:																	
SOWING DATE(2005)	1-07		28-06		18-07		1-07		-								
HARVEST DATE(2005)	10-10		3-10		16-11		10-10		-								
IRRIGATION NOS	7		4		6		-		-								
FERTILIZER APPLIED N	150		150		150		-		-								
P	60		60		60		-		-								
K	30		40		60		-		-								

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DELH 24.8% : PANT 29.1%

TABLE NO. 6 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING			Zn 2			
		LU DH	KARN	KANP	LU DH	KARN	KANP	SYNG	SYNG	MEAN	MEAN
1	B H - 3313	53.5	50.3	59.7	55.8	52.3	60.3	60.3	60.3	55.0	55.9
2	M. S. POOL C7	53.0	51.3	61.0	55.0	53.3	63.0	63.0	63.0	55.3	56.7
3	TUX. POOL C7	53.8	52.3	63.3	55.5	54.3	65.3	65.3	65.3	52.0	56.8
4	NECH - 129	54.3	52.3	60.3	56.0	54.3	62.0	62.0	62.0	50.3	55.7
5	MCH - 23	54.3	54.0	60.7	56.5	56.7	62.3	62.3	62.3	63.0	59.6
CHECKS:											
6	SEEDTEC - 2324	54.7	53.7	62.7	56.3	55.7	64.3	64.3	64.3	64.3	60.2
7	BIO - 9681	50.3	48.7	62.0	51.3	50.7	64.0	64.0	64.0	54.0	55.0
8	PRO - 311	54.0	51.7	60.3	56.5	53.7	62.0	62.0	62.0	59.0	57.8
9	PARBHAT	54.5	52.3	59.3	57.0	55.3	61.7	61.7	61.7	58.0	58.0
MEAN LOCATION											
	C.D. AT 5% =	1.5	1.3	0.9	1.6	1.0	1.2	1.2	1.2	1.3	1.3
	C.V. % =	1.9	1.5	0.8	1.9	1.1	1.1	1.1	1.1	1.3	1.3
	F (Prob)	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

S1 NO	PEDIGREE	DAYS TO 50% DRY HUSK			MOISTURE & HARVEST			PLANT ASPECT *			
		LU DH	KARN	KANP	LU DH	KARN	SYNG	LU DH	KARN	SYNG	MEAN
1	B H - 3313	89.8	89.7	86.3	22.4	22.5	22.4	5.0	3.2	4.1	4.1
2	M. S. POOL C7	90.3	91.7	90.3	22.4	24.7	23.5	3.0	3.0	3.0	3.0
3	TUX. POOL C7	89.0	90.3	92.0	22.0	23.9	23.0	4.0	2.0	3.0	3.0
4	NECH - 129	91.3	90.7	90.0	22.2	24.9	23.6	1.7	3.0	2.3	2.3
5	MCH - 23	92.0	92.3	90.7	22.3	25.8	24.0	3.0	2.2	2.6	2.6
CHECKS:											
6	SEEDTEC - 2324	90.7	94.0	91.0	30.5	25.0	27.8	4.0	3.0	3.5	3.5
7	BIO - 9681	86.8	87.7	89.7	22.1	25.4	23.8	3.0	3.2	3.1	3.1
8	PRO - 311	88.8	87.0	87.7	24.2	23.4	23.8	5.0	2.0	3.5	3.5
9	PARBHAT	89.0	92.3	87.3	24.8	24.5	24.6	5.0	3.2	4.1	4.1
MEAN LOCATION											
	C.D. AT 5% =	1.5	1.0	1.7	1.0	1.5	1.3	0.3	0.3	0.3	0.3
	C.V. % =	1.1	0.6	1.1	2.8	3.7	1.3	5.1	7.3	7.3	7.3
	F (Prob)	.000	.000	.000	.000	.008	-.000	.000	.000	.000	.000

TABLE NO. 6 (CONT.)

SI NO	PEDIGREE	EAR ASPECT			* HUSK COVER			* UNIFORMITY			* ZN 2		
		KARN SYNG	KARN KAMP	MEAN	KARN SYNG	KARN KAMP	MEAN	KARN SYNG	KARN KAMP	MEAN	KARN SYNG	KARN KAMP	MEAN
1	B H - 3313	4.7	3.0	3.8	3.7	3.3	3.5	5.0	3.2	4.1			
2	M. S. POOL C7	4.0	3.3	3.7	3.0	3.0	3.0	4.0	3.3	3.0			
3	TUX. POOL C7	4.0	2.3	3.2	2.3	2.0	2.2	4.0	2.0	3.0			
4	NECH - 129	1.0	2.8	1.9	1.0	2.7	1.8	1.7	3.0	2.3			
5	MCH - 23	2.0	2.0	2.0	2.0	2.2	2.1	3.0	2.0	2.5			
6	CHECKS:												
7	SEEDTEC - 2324	4.0	3.0	3.5	2.3	3.2	2.8	4.0	3.2	3.6			
8	BIO - 9681	3.3	3.3	3.3	2.7	2.0	2.9	4.0	3.2	3.2			
9	PRO - 311	4.0	2.3	3.2	3.3	2.8	2.7	4.0	3.0	3.5			
	PARBHAT	4.7	2.8	3.2	3.3	2.7	3.1	4.0	2.8	3.3			
	MEAN LOCATION	3.5	0.5	3.2	2.6	0.4	0.7	3.7	0.5	3.4			
	C.D. AT 5% =	0.6	10.0	0.5	1.1	8.1	-	0.3	11.3	0.4			
	C.V. % =	9.9	10.0	-	23.6	0.00	-	5.1	11.3	-			
	F (Prob)	0.00	0.00	-	0.02	0.00	-	0.00	0.00	-			

SI NO	PEDIGREE	PLANT HEIGHT (cm)			* ZN 2			* EAR HEIGHT (cm)			* ZN 2		
		LU DH	KARN	SYNG	KARN SYNG	KARN KAMP	MEAN	LU DH	KARN	SYNG	KARN SYNG	KARN KAMP	MEAN
1	B H - 3313	174	193	181	163	178	85	88	87	59	80		
2	M. S. POOL C7	210	188	257	156	203	108	103	106	61	94		
3	TUX. POOL C7	189	190	203	188	192	93	112	115	59	95		
4	NECH - 129	198	192	254	178	205	101	102	94	73	92		
5	MCH - 23	213	192	250	158	203	110	102	91	60	91		
6	CHECKS:												
7	SEEDTEC - 2324	195	190	229	169	196	109	103	80	64	89		
8	BIO - 9681	196	203	231	160	198	90	97	89	70	86		
9	PRO - 311	198	198	247	159	200	115	113	93	71	98		
	PARBHAT	214	208	238	182	211	111	122	88	94	104		
	MEAN LOCATION	198	195	232	168	198	102	105	94	68	92		
	C.D. AT 5% =	16.0	12.3	11.9	8.8	12.3	18.9	8.5	5.0	8.2	10.1		
	C.V. % =	5.5	3.7	3.0	3.0	-	12.7	4.7	3.1	7.0	-		
	F (Prob)	0.01	0.38	0.00	0.00	-	0.27	0.00	0.00	0.00	-		

TABLE NO. 6 (CONT.)

SI	No PEDIGREE	EAR NO./PLANT		H.turc.*		H.may.*		STAND		AT		HARVEST		ZN 2	
		LUDH	SYNG	KARN	SYNG	KARN	SYNG	LUDH	KARN	LUDH	KARN	SYNG	KARN		SYNG
	1 B H - 3313	1.02	1.00	5.0	2.3	2.3	57	51	26	75	53				
	2 M. S. POOL C7	1.05	1.00	4.0	2.0	2.0	59	54	35	75	56				
	3 TUX. POOL C7	1.03	1.02	3.0	2.0	2.0	67	51	35	74	57				
	4 NECH - 129	1.13	1.00	2.0	1.0	1.0	67	63	38	75	61				
	5 MCH - 23	1.07	1.00	3.0	2.0	2.0	51	58	35	75	55				
	CHECKS:														
	6 SEEDTEC - 2324	1.05	1.01	4.0	2.0	2.0	62	57	38	76	58				
	7 BIO - 9681	1.08	1.00	3.0	2.0	2.0	59	45	37	74	54				
	8 PRO - 311	1.03	1.00	3.3	2.0	2.0	71	60	40	77	62				
	9 PARBHAT	1.08	1.00	4.0	2.0	2.0	59	40	31	76	51				
	MEAN LOCATION														
	C D. AT 5%	-	-	3.5	1.9	1.9	61	53	35	75	56				
	C.V. %	-	-	0.3	0.3	0.3	10.8	5.3	5.9	1.8	6.0				
	F (Prob)	-	-	5.5	10.0	10.0	12.0	5.8	9.8	1.4	-				
		-	-	.000	.000	.000	.026	.000	.006	.075	-				

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

TABLE NO. 7

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, SYNGENTA DHOLI, KUSHMOHOT, AMBIKAPUR IN AET 1st YEAR, TRIAL NO. TR65Z3 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3		
		GORA			DHOL			KUSH			AMBI			MEAN	R	
		BELI	R	VARA	R	SYNG	R	KUSH	R	AMBI	R	AMBI	R	AMBI	R	
1	M. S. POOL C7	2639	4	3876	6	6291	7	3782	4	5942	6	4506	6			
2	NECH - 129	3129	2	5707	1	11506	1	3998	1	8032	1	6474	1			
3	MCH - 23	3125	3	5133	3	10575	2	3487	7	7252	4	5914	2			
CHECKS:																
4	SEEDTEC - 2324	2405	6	5321	2	8536	4	3564	6	7451	2	5455	4			
5	BIO - 9681	2370	7	4906	4	8481	5	3805	3	7276	3	5368	5			
6	PRO - 311	3939	1	4714	5	8720	3	3996	2	7070	5	5688	3			
7	PARBHAT	2635	5	3579	7	7121	6	3677	5	5025	7	4407	7			
	MEAN YIELD=	2892		4748		8747		3758		6864		5402				
	MEAN STAND	69		72		35		75		75		65				
	C.D. AT 5%=	604		476		1481		619		745		785				
	C.V. %	14.16		6.80		9.60		11.17		7.36		-				
	F (Prob)	.001		.000		.000		.312		.000		-				
	PLOT SIZE=	12.00		15.00		6.30		15.00		15.00		-				
AGRONOMY DATA:																
	SOWING DATE (2005)	5-07		30-06		18-07		13-07		6-07		-				
	HARVEST DATE (2005)	20-10		3-10		16-11		23-10		-		-				
	IRRIGATION NOS	2		1		6		2		-		-				
	FERTILIZER APPLIED N	120		120		150		120		100		-				
	P	60		60		60		60		60		-				
	K	60		40		60		40		40		-				

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DHOL 22.2%

TABLE NO. 7 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE SEEDTEC - 2324							Zn 3 MEAN
		GORA BELI	VARA	DHOL SYNG	KUSH	AMBI			
1	M. S. POOL C7	9.73	-	-	6.14	-	-	-	
2	NECH - 129	30.13	7.25	34.81	12.18	7.80	18.69		
3	MCH - 23	29.95	-	23.89	-	-	8.42		
CHECKS:									
4	SEEDTEC - 2324	-	-	-	-	-	-	-	
5	BIO - 9681	-	-	-	6.77	-	-	-	
6	PRO - 311	63.80	-	2.16	12.12	-	4.26		
7	PARBHAT	9.55	-	-	3.19	-	-		

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681							Zn 3 MEAN
		GORA BELI	VARA	DHOL SYNG	KUSH	AMBI			
1	M. S. POOL C7	11.33	-	-	-	-	-	-	
2	NECH - 129	32.03	16.31	35.68	5.07	10.38	20.62		
3	MCH - 23	31.85	4.62	24.69	-	-	10.18		
CHECKS:									
4	SEEDTEC - 2324	1.46	8.45	0.65	-	2.39	1.63		
5	BIO - 9681	-	-	-	-	-	-	-	
6	PRO - 311	66.19	-	2.82	5.01	-	5.96		
7	PARBHAT	11.15	-	-	-	-	-		

TABLE NO. 7 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% GORA			POLLEN SHED			DAYS TO 50% SILKING			ZN 3		
		BELI	VARA	MEAN	DHOL SYNG	KUSH	AMBI	BELI	VARA	MEAN	DHOL SYNG	KUSH	AMBI
1	M. S. POOL C7	59.3	52.8	60.0	52.0	48.8	54.5	61.8	59.0	61.3	53.3	52.5	57.6
2	NECH - 129	59.3	52.8	60.7	51.8	49.5	54.8	61.5	57.8	62.0	52.0	53.3	57.3
3	MCH - 23	59.5	52.5	62.0	52.0	50.0	55.2	62.0	57.5	63.3	54.3	53.5	58.1
CHECKS:													
4	SEEDTEC - 2324	60.8	54.5	63.0	53.3	49.3	56.2	62.8	59.0	64.0	53.8	52.5	58.4
5	BIO - 9661	59.0	52.5	61.7	51.0	47.0	54.2	61.5	57.5	63.0	52.3	50.3	56.9
6	PRO - 311	61.8	54.0	62.3	55.3	48.3	56.3	63.8	59.8	64.3	56.5	52.3	59.3
7	PARBHAT	59.8	53.0	63.7	52.8	48.0	55.4	62.0	60.5	64.7	56.3	51.3	58.9
MEAN LOCATION													
	C.D. AT 5% =	1.0	1.6	1.0	3.1	1.3	1.6	1.0	1.9	1.4	3.0	1.4	1.7
	C.V. % =	1.1	2.1	0.9	4.0	1.7	-	1.1	2.1	1.2	3.7	1.8	-
	F (Prob)	.000	.112	.000	.166	.002	-	.002	.018	.002	.029	.002	-

SI NO	PEDIGREE	DAYS TO 50% GORA			DRY HUSK			MOISTURE % AT HARVEST			ZN 3		
		BELI	VARA	MEAN	DHOL SYNG	AMBI	MEAN	BELI	VARA	MEAN	DHOL SYNG	KUSH	AMBI
1	M. S. POOL C7	91.5	90.8	90.0	91.0	90.8	90.8	25.7	33.7	23.7	26.7	27.5	
2	NECH - 129	91.8	91.0	95.0	92.8	92.6	92.6	26.0	38.9	25.2	27.8	29.5	
3	MCH - 23	91.3	91.3	92.3	94.0	92.2	92.2	26.2	36.9	26.2	32.5	30.4	
CHECKS:													
4	SEEDTEC - 2324	92.0	90.3	94.7	91.3	92.0	92.0	26.7	36.1	24.6	30.1	29.4	
5	BIO - 9661	87.8	87.5	92.0	89.5	89.2	89.2	24.9	32.2	23.4	29.4	27.5	
6	PRO - 311	92.3	88.0	94.7	90.3	91.3	91.3	25.7	38.0	24.0	27.0	28.7	
7	PARBHAT	91.8	89.8	94.3	91.3	91.8	91.8	25.1	34.7	23.9	25.4	27.3	
MEAN LOCATION													
	C.D. AT 5% =	1.9	2.6	3.9	1.3	2.4	2.4	1.0	0.4	1.3	5.4	2.0	
	C.V. % =	1.4	1.9	2.4	1.0	-	-	2.5	0.7	2.9	12.7	-	
	F (Prob)	.001	.037	.121	.000	-	-	.014	.000	.006	.166	-	

TABLE NO. 7 (CONT.)

S1 NO	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				HUSK COVER *			
		GORA BELI	KUSH	AMBI	ZN 3 MEAN	GORA BELI	DHOL SYNG	KUSH	AMBI	ZN 3 MEAN	GORA BELI	AMBI	ZN 3 MEAN
1	M. S. POOL C7	2.3	2.4	2.5	2.4	2.1	5.0	2.0	2.6	2.9	2.3	2.5	2.4
2	NECH - 129	2.1	2.8	2.7	2.5	1.8	1.7	2.3	2.8	2.1	2.0	2.8	2.4
3	MCH - 23	2.1	2.5	2.8	2.5	2.3	2.0	2.1	2.7	2.3	2.1	2.7	2.4
CHECKS:													
4	SEEDTEC - 2324	2.6	2.6	2.5	2.6	2.6	3.0	2.3	2.6	2.6	2.3	2.8	2.5
5	BIO - 9681	2.6	2.9	2.7	2.7	2.6	3.0	2.4	2.7	2.7	2.6	2.5	2.6
6	PRO - 311	2.3	2.9	2.5	2.6	2.0	4.0	2.4	2.5	2.7	2.0	2.7	2.3
7	PARBHAT	2.5	2.5	2.4	2.5	2.6	4.7	2.1	2.4	3.0	2.3	2.3	2.3
MEAN LOCATION													
	C.D. AT 5% =	0.4	0.6	0.2	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.3	0.4
	C.V. % =	11.8	14.9	5.9	-	13.1	8.5	16.2	7.2	-	13.3	7.8	-
	F (Prob)	.059	.455	.007	-	.002	.000	.727	.097	-	.104	.064	-

S1 NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 3			
		GORA BELI	DHOL SYNG	AMBI	ZN 3 MEAN	GORA BELI	VARA	DHOL SYNG	KUSH	AMBI	ZN 3 MEAN		
1	M. S. POOL C7	2.4	5.0	2.5	3.3	131	228	220	162	245	197		
2	NECH - 129	1.8	1.3	2.7	1.9	121	210	243	157	259	198		
3	MCH - 23	2.3	3.0	2.7	2.6	129	213	257	172	254	205		
CHECKS:													
4	SEEDTEC - 2324	2.3	3.3	2.7	2.7	112	200	197	148	236	179		
5	BIO - 9681	2.5	3.0	2.6	2.7	128	253	199	171	258	202		
6	PRO - 311	1.9	4.0	2.5	2.8	123	193	196	148	237	179		
7	PARBHAT	2.6	4.0	2.5	3.0	128	250	266	184	263	218		
MEAN LOCATION													
	C.D. AT 5% =	0.4	0.6	0.4	0.4	124	221	225	163	250	197		
	C.V. % =	11.3	9.5	9.1	-	21.8	10.3	12.6	25.9	18.3	17.8		
	F (Prob)	.001	.000	.648	-	.595	.000	.000	.069	.031	-		

TABLE NO. 7 (CONT.)

SL NO	PEDIGREE	EAR HEIGHT (cm)			ZIN 3			EAR NO. / PLANT				
		GORA BELI	VARA	DHOL SYNG	KUSH	AMBI	MEAN	GORA BELI	VARA	DHOL SYNG	KUSH	AMBI
1	M. S. POOL C7	57	108	105	86	106	92	0.97	0.97	1.00	1.00	1.04
2	NECH - 129	47	93	109	73	96	83	0.99	0.93	1.00	0.93	1.06
3	MCH - 23	55	85	100	85	109	87	0.98	0.94	1.01	1.02	1.04
CHECKS:												
4	SEEDTEC - 2324	51	90	94	76	105	83	0.94	0.94	1.00	0.95	1.00
5	BIO - 9681	47	95	90	78	93	81	0.98	0.90	1.02	1.00	1.02
6	PRO - 311	50	100	104	74	103	86	0.98	1.00	1.00	0.99	1.02
7	PARBHAT	54	108	106	97	109	95	0.98	0.97	1.01	0.92	1.02
MEAN LOCATION												
	C.D. AT 5%	17.5	12.2	6.8	18.7	11.0	13.2	-	-	-	-	-
	C.V. %	22.9	8.5	3.8	15.5	7.2	-	-	-	-	-	-
	F (Prob)	.829	.007	.001	.129	.035	-	-	-	-	-	-

SL NO	PEDIGREE	H. tuic.*			STAND AT HARVEST			ZIN 3				
		DHOL SYNG	GORA BELI	DHOL SYNG	KUSH	AMBI	MEAN	GORA BELI	VARA	DHOL SYNG	KUSH	AMBI
1	M. S. POOL C7	5.0	72	33	72	72	76	78	78	72	76	66
2	NECH - 129	2.0	74	39	75	75	74	75	75	74	74	67
3	MCH - 23	3.0	68	37	72	72	73	74	74	73	73	65
CHECKS:												
4	SEEDTEC - 2324	4.0	69	38	70	70	72	72	72	72	72	64
5	BIO - 9681	4.0	71	33	75	75	76	83	83	76	76	67
6	PRO - 311	4.0	71	38	73	73	77	78	78	77	77	67
7	PARBHAT	3.0	62	29	69	69	75	63	63	75	75	60
MEAN LOCATION												
	C.D. AT 5%	-	7.0	5.3	7.5	7.5	3.6	8.8	8.8	3.6	3.6	6.4
	C.V. %	-	6.8	8.5	7.0	7.0	3.2	8.0	8.0	3.2	3.2	-
	F (Prob)	.000	.057	.017	.545	.017	.073	.008	.008	.073	.073	-

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

TABLE NO. 8

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, KARIMNAGAR, ARHAVI, MANDYA, SYNGENTA BANGALORE, COIMBATORE, KOLHAPUR IN TRIAL NO. TR65Z4 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZIN 4			
		HYDE	R	KARI	R	ARBH	R	MAND	R	SYNG	R	COIM	R	KOLH	R	MEAN	R
1	M. S. POOL C7	6831	5	6460	6	5598	4	7245	3	7131	5	4569	7	1994	4	5690	6
2	TUX. POOL C7	6562	6	7002	5	6695	2	6871	5	6835	6	5279	5	1327	5	5796	5
3	NECH - 129	10303	1	9047	1	5505	5	6824	6	10679	1	7219	1	3470	1	7578	1
CHECKS:																	
4	SEEDTEC - 2324	8634	2	8855	3	7400	1	7864	1	8840	3	6363	3	2058	2	7145	2
5	BIO - 9681	7697	4	8511	4	5147	7	6797	7	8501	4	6448	2	1996	3	6443	4
6	PRO - 311	7856	3	8966	2	6317	3	7044	4	9128	2	6017	4	1283	6	6659	3
7	PARBHAT	4730	7	6454	7	5287	6	7625	2	6453	7	4644	6	1086	7	5183	7
	MEAN YIELD=	7516		7899		5993		7181		8224		5791		1888		6356	
	MEAN STAND	69		75		82		72		36		57		84		68	
	C.D. AT 5%=	1039		1290		1094		982		1154		772		549		983	
	C.V. % =	9.37		11.07		10.35		7.75		7.95		9.03		16.49		-	
	F (Prob)	.000		.000		.022		.034		.000		.000		.000		-	
	PLOT SIZE=	15.00		12.00		15.00		14.00		6.30		9.60		15.00		-	
AGRONOMY DATA:																	
	SOWING DATE(2005)	30-06		10-07		23-07		6-08		18-07		2-07		4-07		-	
	HARVEST DATE(2005)	2-11		28-10		6-12		8-12		16-11		24-10		-		-	
	IRRIGATION NOS	-		2		4		5		6		11		-		-	
	FERTILIZER APPLIED N	120		180		150		150		150		135		120		-	
	P	60		60		75		75		60		63		60		-	
	K	40		30		38		40		60		50		40		-	

TABLE NO. 8 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SEEDTEC - 2324										
S1 NO	PEDIGREE	HYDE	KARI	ARBH	MAND	BANG SYNG	COIM	KOLH	ZN 4 MEAN	
1	M. S. POOL C7	-	-	-	-	-	-	-	-	-
2	TUX. POOL C7	-	-	-	-	-	-	-	-	-
3	NECH - 129	19.33	2.17	-	-	20.81	13.46	68.60	6.07	-
CHECKS:										
4	SEEDTEC - 2324	-	-	-	-	-	1.34	-	-	-
5	BIO - 9681	-	-	-	-	-	-	-	-	-
6	PRO - 311	-	1.26	-	-	3.26	-	-	-	-
7	PARBHAT	-	-	-	-	-	-	-	-	-
GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681										
S1 NO	PEDIGREE	HYDE	KARI	ARBH	MAND	BANG SYNG	COIM	KOLH	ZN 4 MEAN	
1	M. S. POOL C7	-	-	8.76	6.59	-	-	-	-	-
2	TUX. POOL C7	-	-	30.07	1.09	-	-	-	-	-
3	NECH - 129	33.86	6.30	6.95	0.39	25.62	11.96	73.89	17.63	-
CHECKS:										
4	SEEDTEC - 2324	12.17	4.04	43.77	15.70	3.98	-	3.14	10.90	-
5	BIO - 9681	-	-	-	-	-	-	-	-	-
6	PRO - 311	2.06	5.35	22.72	3.63	7.37	-	-	3.36	-
7	PARBHAT	-	-	2.72	12.18	-	-	-	-	-
GRAIN YIELD & SUPERIORITY OVER THE PRO - 311										
S1 NO	PEDIGREE	HYDE	KARI	ARBH	MAND	BANG SYNG	COIM	KOLH	ZN 4 MEAN	
1	M. S. POOL C7	-	-	-	2.86	-	-	55.39	-	-
2	TUX. POOL C7	-	-	5.99	-	-	-	3.42	-	-
3	NECH - 129	31.15	0.90	-	-	17.00	19.98	170.43	13.81	-
CHECKS:										
4	SEEDTEC - 2324	9.90	-	17.15	11.64	-	5.75	60.40	7.30	-
5	BIO - 9681	-	-	-	-	-	7.16	55.52	-	-
6	PRO - 311	-	-	-	-	-	-	-	-	-
7	PARBHAT	-	-	-	8.25	-	-	-	-	-

TABLE NO. 8 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT							ZIN 4 MEAN
		HYDE	KARI	ARBH	MAND	BANG SYNG	COIM	KOLH	
1	M. S. POOL C7	44.42	0.10	5.88	-	10.50	-	83.69	9.78
2	TUX. POOL C7	38.72	8.49	26.63	-	5.92	13.67	22.25	11.83
3	NECH - 129	117.82	40.18	4.12	-	65.49	55.45	219.68	46.22
CHECKS:									
4	SEEDTEC - 2324	82.53	37.20	39.97	3.14	36.98	37.01	89.61	37.86
5	BIO - 9681	62.72	31.88	-	-	31.74	38.84	83.84	24.31
6	PRO - 311	66.08	38.93	19.48	-	41.44	29.56	18.21	28.48
7	PARBHAT	-	-	-	-	-	-	-	-

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED							ZIN 4 MEAN
		HYDE	KARI	ARBH	MAND	BANG SYNG	COIM	KOLH	
1	M. S. POOL C7	56.5	52.3	61.0	54.3	62.0	55.3	61.0	57.5
2	TUX. POOL C7	57.5	52.3	59.0	54.7	62.0	54.8	62.0	57.5
3	NECH - 129	59.0	52.3	61.0	55.3	61.0	54.3	62.7	57.9
CHECKS:									
4	SEEDTEC - 2324	57.5	53.0	61.7	54.0	61.0	56.0	62.3	57.9
5	BIO - 9681	58.3	49.3	61.0	53.3	63.3	54.3	58.7	56.9
6	PRO - 311	59.3	53.5	60.7	54.7	61.0	55.5	62.0	58.1
7	PARBHAT	58.0	52.3	59.3	53.0	62.7	55.3	61.0	57.4
MEAN LOCATION									
	C.D. AT 5%	2.3	1.7	2.4	1.7	0.8	1.0	0.9	1.5
	C.V. %	2.6	2.2	2.2	1.8	0.7	1.2	0.9	-
	F (Prob)	.216	.002	.220	.119	.000	.009	.000	-

TABLE NO. 8 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING							BANG			ZN 4
		HYDE	KARI	ARBH	MAND	SYNG	COIM	KOLH	MEAN			
1	M. S. POOL C7	58.5	55.3	62.7	55.3	64.0	58.3	63.0	59.6			
2	TUX. POOL C7	59.5	55.3	60.3	57.3	63.7	58.0	63.7	59.7			
3	NECH - 129	61.8	55.5	62.3	58.0	62.3	57.5	64.0	60.2			
CHECKS:												
4	SEEDTEC - 2324	59.8	56.8	63.0	56.0	62.7	60.0	63.7	60.3			
5	BIO - 9681	60.3	52.3	63.0	55.0	64.3	57.5	60.7	59.0			
6	PRO - 311	60.8	56.3	61.3	56.7	63.0	59.0	63.7	60.1			
7	PARBHAT	60.5	55.5	60.7	55.7	63.7	59.0	63.0	59.7			
	MEAN LOCATION	60.1	55.3	61.9	56.3	63.4	58.5	63.1	59.8			
	C.D. AT 5% =	2.2	1.8	3.1	2.8	1.1	1.1	1.2	1.9			
	C.V. % =	2.5	2.2	2.8	2.8	1.0	1.3	1.0	-			
	F (Prob)	.132	.002	.358	.283	.018	.002	.001	-			

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK							BANG			ZN 4
		HYDE	KARI	MAND	SYNG	COIM	KOLH	MEAN				
1	M. S. POOL C7	91.5	94.8	95.3	95.0	103.3	99.0	96.5				
2	TUX. POOL C7	91.5	93.8	94.0	95.7	103.0	97.7	95.9				
3	NECH - 129	91.3	95.8	96.0	94.0	102.5	98.0	96.3				
CHECKS:												
4	SEEDTEC - 2324	92.3	95.0	94.0	94.7	105.0	97.7	96.4				
5	BIO - 9681	91.8	92.3	94.0	96.7	102.5	93.3	95.1				
6	PRO - 311	92.8	93.8	96.0	95.0	104.0	97.7	96.5				
7	PARBHAT	91.5	94.3	94.0	96.3	104.0	97.0	96.2				
	MEAN LOCATION	91.8	94.2	94.8	95.3	103.5	97.2	96.1				
	C.D. AT 5% =	1.8	1.9	3.7	1.9	1.1	2.2	2.1				
	C.V. % =	1.3	1.3	2.2	1.1	0.7	1.3	-				
	F (Prob)	.626	.028	.679	.110	.002	.003	-				

TABLE NO. 8 (CONT.)

SI NO	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				Zn 4 MEAN				
		HYDE	ARBH	MAND	SYNG	BANG	HYDE	KARI	ARBH		MAND	SYNG	KOLH	
1	M. S. POOL C7	26.3	19.6	18.3	23.8	21.5	21.9	2.6	3.0	2.5	3.0	3.7	2.5	2.9
2	TUX. POOL C7	25.4	19.0	19.1	23.9	22.9	22.0	3.0	2.5	2.5	3.0	4.7	1.8	2.9
3	NECH - 129	25.2	20.3	19.5	25.2	20.5	22.1	2.4	2.0	2.8	2.3	1.0	1.8	2.0
CHECKS:														
4	SEEDTEC - 2324	23.5	20.3	18.9	25.4	21.9	22.0	2.8	2.8	2.0	3.0	3.0	2.0	2.6
5	BIO - 9681	25.3	18.0	19.5	22.4	22.0	21.4	2.3	2.8	2.8	3.0	4.0	1.7	2.7
6	PRO - 311	25.8	17.9	18.4	22.8	21.0	21.2	2.9	3.0	2.3	2.7	5.0	2.2	3.0
7	PARBHAT	22.3	17.8	18.3	24.3	23.7	21.3	2.9	2.8	2.8	3.0	4.0	2.2	2.9
MEAN LOCATION														
	C.D. AT 5%	2.2	2.9	2.9	0.9	1.1	2.0	0.6	0.9	0.5	0.5	0.6	0.6	0.6
	C.V. %	5.9	8.6	8.5	2.2	2.8	-	15.6	21.6	11.1	10.3	8.9	17.6	-
	F (Prob)	.013	.302	.912	.000	.001	-	.162	.258	.040	.097	.000	.173	-

SI NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				Zn 4 MEAN				
		HYDE	KARI	ARBH	MAND	BANG	HYDE	KARI	ARBH		MAND	KOLH		
1	M. S. POOL C7	2.3	2.5	2.5	3.0	4.7	2.7	2.9	2.6	2.5	2.3	3.0	2.0	2.5
2	TUX. POOL C7	2.5	1.3	2.3	2.3	4.0	3.0	2.6	2.4	1.8	2.3	2.7	1.8	2.2
3	NECH - 129	1.6	1.0	2.8	1.7	1.3	2.0	1.7	2.4	1.5	2.0	2.3	1.7	2.0
CHECKS:														
4	SEEDTEC - 2324	2.3	1.5	2.0	2.3	2.7	2.5	2.2	2.5	1.8	2.0	2.3	2.0	2.1
5	BIO - 9681	2.0	2.0	2.5	2.7	4.0	2.3	2.6	2.3	1.8	2.3	3.0	1.8	2.2
6	PRO - 311	2.1	2.3	2.8	3.0	3.3	2.7	2.7	2.3	1.8	2.0	2.7	1.8	2.1
7	PARBHAT	2.8	2.0	3.0	3.0	4.7	2.8	3.0	2.4	1.8	2.3	3.0	1.8	2.2
MEAN LOCATION														
	C.D. AT 5%	0.5	0.8	0.2	0.7	0.8	0.7	0.6	0.5	0.8	0.3	0.8	0.6	0.6
	C.V. %	16.0	30.8	5.3	15.1	13.4	15.4	-	12.9	30.0	8.8	16.4	17.5	-
	F (Prob)	.009	.013	.000	.009	.000	.129	-	.617	.299	.259	.306	.880	-

TABLE NO. 8 (CONT.)

Sl No	PEDIGREE	UNIFORMITY *																																		
		HYDE				KARI				ARBH				MAND				BANG				SYNG				KOLH				ZAN				MEAN		
PLANT HEIGHT (cm)														PLANT HEIGHT (cm)																						
UNIFORMITY *												UNIFORMITY *																								
1	M. S. POOL C7	3.0	2.8	2.3	2.7	4.3	2.3	2.9	173	197	181	231	180	177	190	173	197	181	231	180	177	190	173	197	181	231	180	177	190	173	197	181	231	180	177	190
2	TUX. POOL C7	3.1	2.0	2.5	2.7	3.3	2.2	2.6	168	218	173	251	170	190	195	168	218	173	251	170	190	195	168	218	173	251	170	190	195	168	218	173	251	170	190	195
3	NECH - 129	2.4	1.0	2.3	2.0	1.0	1.7	1.7	175	202	177	256	180	155	191	175	202	177	256	180	155	191	175	202	177	256	180	155	191	175	202	177	256	180	155	191
CHECKS:																																				
4	SEEDTEC - 2324	2.6	2.0	2.0	2.7	3.0	1.7	2.3	180	199	173	218	166	157	182	180	199	173	218	166	157	182	180	199	173	218	166	157	182	180	199	173	218	166	157	182
5	BIO - 9681	2.5	2.3	2.5	3.0	4.0	2.0	2.7	175	174	177	224	184	180	186	175	174	177	224	184	180	186	175	174	177	224	184	180	186	175	174	177	224	184	180	186
6	PRO - 311	2.8	2.8	2.3	2.3	4.0	2.2	2.7	170	208	181	197	174	137	178	170	208	181	197	174	137	178	170	208	181	197	174	137	178	170	208	181	197	174	137	178
7	PARSHAT	2.8	3.0	2.8	3.0	4.0	2.3	3.0	178	199	171	247	184	180	193	178	199	171	247	184	180	193	178	199	171	247	184	180	193	178	199	171	247	184	180	193
MEAN LOCATION																																				
	C.D. AT 5%	0.6	0.8	0.4	0.7	0.9	0.8	0.7	6.5	14.0	24.6	10.7	7.3	12.9	12.7	6.5	14.0	24.6	10.7	7.3	12.9	12.7	6.5	14.0	24.6	10.7	7.3	12.9	12.7	6.5	14.0	24.6	10.7	7.3	12.9	12.7
	C.V. %	14.1	24.7	10.4	15.6	15.4	20.9	-	2.5	4.7	7.8	2.6	2.8	4.3	-	2.5	4.7	7.8	2.6	2.8	4.3	-	2.5	4.7	7.8	2.6	2.8	4.3	-	2.5	4.7	7.8	2.6	2.8	4.3	-
	F (Prob)	.140	.001	.050	.105	.000	.318	-	.012	.000	.956	.000	.000	.000	-	.012	.000	.956	.000	.000	.000	-	.012	.000	.956	.000	.000	.000	-	.012	.000	.956	.000	.000	.000	-

Sl No	PEDIGREE	UNIFORMITY *																																	
		HYDE				KARI				ARBH				MAND				BANG				SYNG				KOLH				ZAN				MEAN	
EAR HEIGHT (cm)														EAR No./PLANT																					
UNIFORMITY *												UNIFORMITY *																							
1	M. S. POOL C7	68	89	83	91	83	72	81	0.88	0.94	0.98	1.00	0.95	0.79	0.88	0.94	0.98	1.00	0.95	0.79	0.88	0.94	0.98	1.00	0.95	0.79	0.88	0.94	0.98	1.00	0.95	0.79			
2	TUX. POOL C7	65	94	72	119	77	83	85	1.04	0.95	1.00	1.01	0.95	0.81	1.04	0.95	1.00	1.01	0.95	0.81	1.04	0.95	1.00	1.01	0.95	0.81	1.04	0.95	1.00	1.01	0.95	0.81			
3	NECH - 129	70	76	77	114	81	73	82	1.03	1.00	1.00	1.01	0.95	0.89	1.03	1.00	1.00	1.01	0.95	0.89	1.03	1.00	1.00	1.01	0.95	0.89	1.03	1.00	1.00	1.01	0.95	0.89			
CHECKS:																																			
4	SEEDTEC - 2324	80	96	72	89	75	72	81	1.02	0.96	1.02	1.00	0.96	0.67	1.02	0.96	1.02	1.00	0.96	0.67	1.02	0.96	1.02	1.00	0.96	0.67	1.02	0.96	1.02	1.00	0.96	0.67			
5	BIO - 9681	73	79	76	94	73	73	76	1.07	0.96	1.00	1.00	0.94	0.57	1.07	0.96	1.00	1.00	0.94	0.57	1.07	0.96	1.00	1.00	0.94	0.57	1.07	0.96	1.00	1.00	0.94	0.57			
6	PRO - 311	68	78	81	88	85	62	77	1.05	0.95	1.04	1.00	0.94	0.62	1.05	0.95	1.04	1.00	0.94	0.62	1.05	0.95	1.04	1.00	0.94	0.62	1.05	0.95	1.04	1.00	0.94	0.62			
7	PARSHAT	83	99	77	97	81	75	85	1.03	0.97	1.00	1.00	0.93	0.85	1.03	0.97	1.00	1.00	0.93	0.85	1.03	0.97	1.00	1.00	0.93	0.85	1.03	0.97	1.00	1.00	0.93	0.85			
MEAN LOCATION																																			
	C.D. AT 5%	10.7	11.4	21.9	5.1	6.5	6.1	10.3	0.2	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.2			
	C.V. %	10.0	8.8	16.0	2.9	5.5	4.7	-	11.5	4.8	2.8	1.0	3.1	18.3	11.5	4.8	2.8	1.0	3.1	18.3	11.5	4.8	2.8	1.0	3.1	18.3	11.5	4.8	2.8	1.0	3.1	18.3			
	F (Prob)	.019	.001	.896	.000	.015	.000	-	.392	.684	.360	.608	.904	.098	.392	.684	.360	.608	.904	.098	.392	.684	.360	.608	.904	.098	.392	.684	.360	.608	.904	.098			

TABLE NO. 8 (CONT.)

Sl	No PEDIGREE	H.turcicum *		H.may. *		STAND AT HARVEST		BANG		ZN 4	MEAN		
		BANG	SYNG KOLH	ZN 4	MEAN	SYNG	BANG	HYDE KARI ARBH MAND	SYNG COIM KOLH				
1	M. S. POOL C7	3.7	2.2	2.9	2.7	66	67	78	73	36	56	82	66
2	TUX. POOL C7	4.7	1.8	3.3	2.0	69	77	88	76	35	56	89	70
3	NECH - 129	2.3	1.8	2.1	1.0	73	72	88	77	36	59	84	70
CHECKS:													
4	SEEDTEC - 2324	3.3	1.8	2.6	2.0	68	77	85	72	39	60	81	69
5	BIO - 9681	3.0	1.7	2.3	2.0	66	79	81	61	36	50	86	66
6	PRO - 311	2.0	1.8	1.9	1.7	72	83	73	73	39	58	82	68
7	PARBHAT	4.0	1.8	2.9	2.0	66	72	82	73	32	58	80	66
MEAN LOCATION													
	C.D. AT 5%	0.7	0.5	0.6	0.6	22.5	6.9	15.2	7.7	6.6	2.1	20.2	11.6
	C.V. %	11.8	16.3	-	16.9	22.1	6.2	10.4	6.0	10.3	2.5	13.6	-
	F (Prob)	.000	.629	-	.002	.987	.002	.342	.014	.428	.000	.954	-

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

TABLE NO. 9 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO - 9681					ZIN 5 MEAN
		UDAI	UDAI SYNG	BANS	GODH	CHHI	
1	M. S. POOL C7	-	-	6.19	24.24	2.36	-
2	TUX. POOL C7	-	-	5.10	-	-	-
3	NECH - 128	16.17	17.28	45.70	24.29	22.92	24.77
CHECKS:							
4	SEEDTEC - 2324	8.45	5.09	19.70	4.80	-	6.21
5	BIO - 9681	-	-	-	-	-	-
6	PRO - 311	7.26	-	2.79	8.38	24.02	8.64
7	PARBHAT	-	-	-	-	-	-
S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRO - 311					ZIN 5 MEAN
		UDAI	UDAI SYNG	BANS	GODH	CHHI	
1	M. S. POOL C7	-	-	3.31	14.63	-	-
2	TUX. POOL C7	-	-	2.25	-	-	-
3	NECH - 128	8.31	21.31	41.74	14.68	-	14.85
CHECKS:							
4	SEEDTEC - 2324	1.11	8.70	16.45	-	-	-
5	BIO - 9681	-	3.44	-	-	-	-
6	PRO - 311	-	-	-	-	-	-
7	PARBHAT	-	-	-	-	-	-
S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT					ZIN 5 MEAN
		UDAI	UDAI SYNG	BANS	GODH	CHHI	
1	M. S. POOL C7	20.72	10.62	38.66	29.60	16.08	20.84
2	TUX. POOL C7	5.16	8.11	37.23	2.78	11.41	13.11
3	NECH - 128	41.43	53.68	90.24	29.65	39.40	50.86
CHECKS:							
4	SEEDTEC - 2324	32.03	37.71	56.29	9.32	11.36	28.43
5	BIO - 9681	21.74	31.04	30.57	4.31	13.40	20.91
6	PRO - 311	30.58	26.68	34.22	13.05	40.64	31.35
7	PARBHAT	-	-	-	-	-	-

TABLE NO. 9 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED					DAYS TO 50% SILKING					ZN 5 MEAN
		UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI	
1	M. S. POOL C7	57.3	61.3	51.0	48.8	53.8	61.0	62.3	55.0	53.5	55.8	57.5
2	TUX. POOL C7	58.3	63.3	49.8	48.3	55.3	61.0	65.0	53.5	51.8	56.3	57.5
3	NECH - 128	58.7	59.3	51.3	48.5	55.0	62.0	60.0	55.3	52.3	57.3	57.3
CHECKS:												
4	SEEDTEC - 2324	58.7	64.0	51.3	49.3	55.0	61.3	65.7	55.3	53.0	57.0	58.5
5	BIO - 9681	56.0	61.7	52.5	49.3	53.5	59.3	62.7	56.5	53.3	54.3	57.2
6	PRO - 311	59.0	61.0	51.3	49.3	54.0	62.3	62.3	55.0	53.0	54.0	57.3
7	PARBHAT	57.7	62.0	51.3	50.5	54.5	61.0	63.3	55.3	55.8	57.3	58.5
MEAN LOCATION												
	C.D. AT 5% =	2.5	0.8	2.1	1.8	1.5	2.0	0.9	2.3	2.0	1.5	1.8
	C.V. % =	2.5	0.7	2.8	2.4	1.8	1.9	0.8	2.8	2.6	1.8	-
	F (Prob)	.227	.000	.316	.225	.128	.122	.000	.320	.019	.000	-
SI NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 5 MEAN
		UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI	
1	M. S. POOL C7	90.7	95.0	89.0	83.5	88.0	20.5	24.4	16.5	14.8	20.1	19.3
2	TUX. POOL C7	91.0	95.7	88.5	83.5	88.5	20.9	24.6	15.9	14.9	20.9	19.4
3	NECH - 128	93.0	94.3	90.5	83.5	94.5	22.4	24.3	16.9	15.4	20.8	20.0
CHECKS:												
4	SEEDTEC - 2324	91.7	96.0	90.5	84.3	88.0	20.3	25.3	16.2	14.8	20.7	19.5
5	BIO - 9681	88.7	95.3	85.5	84.8	87.5	21.5	23.4	16.3	16.0	20.7	19.6
6	PRO - 311	90.7	94.7	86.5	83.3	89.0	19.4	22.8	16.1	16.0	20.7	19.0
7	PARBHAT	91.7	95.3	89.5	87.8	87.0	18.3	24.5	15.5	17.0	20.0	19.0
MEAN LOCATION												
	C.D. AT 5% =	1.7	1.0	4.4	2.0	0.8	0.6	1.7	1.1	1.8	0.5	1.1
	C.V. % =	1.0	0.6	3.3	1.6	0.6	1.6	3.9	4.5	7.6	1.6	-
	F (Prob)	.004	.035	.173	.003	.000	.000	.099	.230	.116	.004	-

TABLE NO. 9 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *					EAR ASPECT *					ZN 5				
		UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI
1	M. S. POOL C7	2.2	5.0	2.0	3.3	2.0	2.9	2.6	4.7	1.9	2.8	1.1	2.6	2.8	1.1	2.6
2	TUX. POOL C7	2.4	4.3	1.8	2.8	2.0	2.6	1.8	4.0	1.8	3.3	1.4	2.4	3.3	1.4	2.4
3	NECH - 128	1.6	1.3	1.5	3.0	1.0	1.7	1.5	2.0	1.5	2.0	1.0	1.6	2.0	1.0	1.6
CHECKS:																
4	SEEDTEC - 2324	2.1	3.0	1.8	3.0	1.0	2.2	1.8	4.0	1.8	2.5	1.4	2.3	2.5	1.4	2.3
5	BIO - 9681	2.6	3.0	2.0	3.3	1.5	2.5	2.3	4.3	1.8	3.3	1.5	2.6	3.3	1.5	2.6
6	PRO - 311	1.8	3.0	2.3	2.5	1.0	2.1	1.6	4.3	2.0	3.5	1.3	2.5	3.5	1.3	2.5
7	PARBHAT	2.1	4.0	2.1	3.3	1.8	2.6	1.7	4.0	2.0	3.5	1.3	2.5	3.5	1.3	2.5
MEAN LOCATION																
	C.D. AT 5% =	0.3	0.5	0.5	0.8	0.5	0.5	0.4	0.7	0.4	0.7	0.3	0.5	0.7	0.3	0.5
	C.V. % =	8.6	8.3	16.4	18.3	23.8	-	13.1	10.2	14.3	16.5	17.6	-	16.5	17.6	-
	F (Prob)	.001	.000	.048	.397	.000	-	.002	.000	.148	.002	.082	-	.002	.082	-
HUSK COVER * UNIFORMITY *																
SI NO	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5				
		UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI	UDAI	SYNG	BANS	GODH	CHHI
1	M. S. POOL C7	1.7	3.3	2.0	3.0	2.0	2.4	2.5	4.3	1.9	3.3	2.0	2.8	3.3	2.0	2.8
2	TUX. POOL C7	2.1	3.0	1.9	3.5	2.0	2.5	2.2	4.7	2.0	3.0	1.8	2.7	3.0	1.8	2.7
3	NECH - 128	1.7	2.0	1.8	3.0	1.0	1.9	1.6	2.3	1.9	3.0	1.0	2.0	3.0	1.0	2.0
CHECKS:																
4	SEEDTEC - 2324	1.7	2.0	1.9	2.8	1.3	1.9	2.2	3.7	2.1	3.3	1.3	2.5	3.3	1.3	2.5
5	BIO - 9681	1.8	3.0	2.0	3.3	1.5	2.3	2.3	4.0	2.0	3.0	1.8	2.6	3.0	1.8	2.6
6	PRO - 311	1.6	3.0	2.4	3.3	1.5	2.3	1.9	4.0	2.1	3.0	1.5	2.5	3.0	1.5	2.5
7	PARBHAT	1.5	3.0	2.3	3.3	1.8	2.4	2.1	4.0	1.9	3.3	1.8	2.6	3.3	1.8	2.6
MEAN LOCATION																
	C.D. AT 5% =	0.3	0.4	0.4	1.0	0.5	0.5	0.6	0.6	0.4	1.0	0.5	0.6	1.0	0.5	0.6
	C.V. % =	8.6	7.9	13.4	20.4	23.5	-	17.0	9.2	14.1	20.9	21.2	-	20.9	21.2	-
	F (Prob)	.015	.000	.049	.744	.009	-	.104	.000	.693	.982	.007	-	.982	.007	-

TABLE NO. 9 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 5 MEAN			
		UDAI	SYNG	BANS	GODH	UDAI	SYNG	BANS	GODH		CHHI		
1	M. S. POOL C7	165	226	198	168	199	191	77	113	96	76	103	93
2	TUX. POOL C7	165	222	185	149	181	180	88	87	94	61	98	86
3	NECH - 128	157	220	185	154	191	181	73	81	83	68	94	80
CHECKS:													
4	SEEDTEC - 2324	158	226	183	155	166	178	88	79	90	58	81	79
5	BIO - 9681	167	249	178	161	176	186	75	96	71	73	75	78
6	PRO - 311	157	230	183	145	179	179	80	97	90	58	93	83
7	PARBHAT	185	219	189	151	204	190	103	86	98	69	104	92
MEAN LOCATION													
	C.D. AT 5%	28.0	3.6	21.1	17.3	25.3	19.1	21.3	3.4	19.9	21.1	13.5	15.8
	C.V. %	9.6	0.9	7.6	7.5	9.2	-	14.4	2.1	15.1	21.5	9.8	-
	F (Prob)	.377	.000	.601	.177	.067	-	.099	.000	.140	.414	.002	-

Sl No	PEDIGREE	EAR No. / PLANT				H.tur. * H.may. * STAND AT HARVEST				ZN 5 MEAN			
		UDAI	SYNG	BANS	GODH	UDAI	SYNG	BANS	GODH		CHHI		
1	M. S. POOL C7	0.91	1.01	1.00	0.93	0.94	4.7	2.3	49	31	62	43	76
2	TUX. POOL C7	0.99	1.01	1.06	0.92	0.92	3.3	2.7	62	33	58	46	71
3	NECH - 128	1.01	1.00	1.02	1.03	0.97	2.3	2.0	67	36	65	55	78
CHECKS:													
4	SEEDTEC - 2324	1.00	1.00	1.01	0.76	0.98	4.0	3.0	53	36	64	53	78
5	BIO - 9681	0.92	1.00	1.00	0.92	1.00	3.0	2.0	67	35	58	49	77
6	PRO - 311	1.00	1.00	0.96	0.89	1.01	3.0	1.7	67	41	66	51	74
7	PARBHAT	1.02	1.02	1.11	0.96	0.99	3.7	2.7	50	32	56	37	74
MEAN LOCATION													
	C.D. AT 5%	-	-	-	-	-	0.7	1.0	11.4	6.8	10.8	9.5	7.2
	C.V. %	-	-	-	-	-	11.3	24.7	10.8	10.9	12.0	13.4	6.4
	F (Prob)	-	-	-	-	-	.000	.145	.008	.100	.323	.014	.466

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

TABLE NO. 10

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, KANGRA, BARAPANI IN AET 1st YEAR, TRIAL NO. TR66Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER				
		BAJA	R	KANG	R	BARA	R	MEAN	BAJA	KANG	BARA	
1	CHH - 219	4692	3	2773	5	1596	10	3021	3	17.64	-	-
2	H K H - 1188	4029	7	2596	8	1681	1	2769	7	1.01	3.40	-
3	M H 03-2	4038	5	2491	9	1667	3	2732	8	1.25	2.54	-
4	V - 33	3050	10	2764	6	1673	2	2495	10	-	2.87	-
5	J K M H - 702	4209	4	3102	3	1616	7	2976	4	5.53	-	-
6	X - 85	4032	6	3063	4	1640	5	2912	6	1.08	0.88	-
7	P M Z - 150	4733	2	2360	10	1647	4	2913	5	18.65	1.29	-
CHECKS:												
8	K H - 510	3989	8	3587	1	1626	6	3067	2	-	-	-
9	BIO- 9637	4976	1	2635	7	1598	9	3070	1	24.76	-	0.08
10	NAVJOT	3178	9	3115	2	1600	8	2631	9	-	-	-
	MEAN YIELD=	4093		2849		1634		2859				
	MEAN STAND	55		43		57		52				
	C.D. AT 5% =	794		374		99		422				
	C.V. % =	11.35		7.69		4.18		-				
	F (Prob) =	.000		.000		.287		-				
	PLOT SIZE=	9.60		7.20		9.00		-				
AGRONOMY DATA:												
	SOWING DATE (2005)	1-07		4-07		7-07		-				
	HARVEST DATE (2005)	9-11		-		17-11		-				
	IRRIGATION NOS	2		-		-		-				
	FERTILIZER APPLIED N	120		80		80		-				
	P	60		60		60		-				
	K	40		40		40		-				

TABLE NO. 10 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD %			SUPERIORITY			OVER THE		
		BIO-9637	KANG	BARA	ZN 1 MEAN	NAVJOT	KANG	BARA	ZN 1 MEAN	
1	CHH - 219	-	5.25	-	47.64	-	-	-	14.81	
2	H K H - 1188	-	-	5.23	26.78	-	-	5.11	5.25	
3	M H 03-2	-	-	4.36	27.07	-	-	4.24	3.85	
4	V - 33	-	4.88	4.69	-	-	-	4.58	-	
5	J K M H - 702	-	17.73	1.11	32.44	-	-	1.00	13.10	
6	X - 85	-	16.25	2.67	26.86	-	-	2.55	10.68	
7	P M Z - 150	-	-	3.09	48.92	-	-	2.97	10.73	
CHECKS:										
8	K H - 510	-	36.12	1.77	25.50	15.14	1.66	-	16.58	
9	BIO-9637	-	-	-	56.58	-	-	-	16.68	
10	NAVJOT	-	18.22	0.11	-	-	-	-	-	

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING			DAYS TO 50% DRY HUSK					
		BAJA	KANG	BARA	ZN 1 MEAN	BAJA	KANG	BARA	ZN 1 MEAN	BAJA	KANG	BARA	ZN 1 MEAN
1	CHH - 219	60.0	54.7	58.3	57.6	62.3	57.7	62.0	60.7	99.3	99.3	107.0	101.9
2	H K H - 1188	59.7	58.3	56.8	58.3	62.7	61.7	60.8	61.7	103.3	101.7	105.3	103.4
3	M H 03-2	61.0	54.7	54.8	56.8	63.3	57.7	59.3	60.1	102.3	104.3	102.8	103.1
4	V - 33	61.0	58.0	59.5	59.5	63.3	61.0	63.0	62.4	101.7	99.7	109.3	103.5
5	J K M H - 702	63.0	57.7	58.3	59.6	65.3	60.7	61.8	62.6	102.0	101.3	107.8	103.7
6	X - 85	58.7	58.7	58.0	58.4	61.7	62.0	62.0	61.9	98.0	98.7	107.5	101.4
7	P M Z - 150	59.7	54.3	56.8	56.9	62.7	57.0	61.3	60.3	101.7	98.7	106.0	102.1
CHECKS:													
8	K H - 510	62.3	57.3	58.0	59.2	65.3	60.0	61.5	62.3	105.3	100.7	108.3	104.8
9	BIO-9637	60.7	58.0	58.3	59.0	63.0	61.0	62.3	62.1	103.7	100.3	107.8	103.9
10	NAVJOT	60.0	57.7	57.6	58.3	62.7	61.0	61.3	61.6	99.0	98.7	106.5	101.4
MEAN LOCATION													
C.D. AT 5%		2.1	0.9	3.2	2.1	1.6	1.3	3.1	2.0	2.0	0.9	4.7	2.5
C.V. %		2.0	0.9	3.8	2.1	1.5	1.2	3.5	-	1.1	0.5	3.0	-
F (Prob)		.012	.000	.246	-	.001	.000	.547	-	.000	.000	.297	-

TABLE NO. 10 (CONT.)

SL NO	PEDIGREE	MOISTURE % AT HARVEST			PLANT ASPECT *			EAR ASPECT *			HUSK COVER *						
		BAJA	KANG	BARA	ZN 1 MEAN	BAJA	BARA	MEAN	BAJA	BARA	MEAN	BAJA	BARA	MEAN			
1	CHH - 219	20.0	17.2	29.0	22.1	2.5	1.8	2.1	2.3	1.5	1.9	2.3	1.0	1.7			
2	H K H - 1188	21.8	17.3	27.0	22.0	2.3	1.5	1.9	2.3	1.3	1.8	2.8	1.0	1.9			
3	M H 03-2	21.4	16.9	27.5	21.9	2.5	1.8	2.1	2.3	1.5	1.9	2.3	1.3	1.8			
4	V - 33	20.7	18.6	29.3	22.8	2.8	1.5	2.2	2.7	1.8	2.3	2.5	1.0	1.8			
5	J K M H - 702	21.1	21.1	28.8	23.6	2.8	1.5	2.2	2.7	2.0	2.3	2.3	1.0	1.7			
6	X - 85	23.0	19.3	28.8	23.7	2.3	1.5	1.9	2.5	1.3	1.9	2.3	1.0	1.7			
7	P M Z - 150	21.7	20.5	27.8	23.3	2.3	1.3	1.8	2.3	1.5	1.9	2.2	1.3	1.7			
CHECKS:																	
8	K H - 510	22.3	18.0	27.5	22.6	2.5	1.3	1.9	2.2	1.5	1.8	2.2	1.3	1.7			
9	BIO- 9637	22.8	15.6	29.0	23.5	2.2	1.3	1.7	2.2	1.3	1.7	2.2	1.0	1.6			
10	NAVJOT	20.5	19.7	29.0	23.1	2.8	1.8	2.3	2.7	1.8	2.2	2.5	1.3	1.9			
MEAN LOCATION																	
		21.5	18.4	28.4	22.8	2.5	1.5	2.0	2.4	1.5	2.0	2.4	1.1	1.7			
C.D. AT 5% =		0.8	2.4	2.7	2.0	0.4	1.0	0.7	0.5	0.7	0.6	0.5	0.4	0.5			
C.V. % =		2.2	7.7	6.4	-	9.6	45.0	-	11.1	30.1	-	13.2	27.1	-			
F (Prob)		.000	.004	.618	-	.023	.941	-	.280	.349	-	.311	.661	-			
UNIFORMITY *																	
SL NO	PEDIGREE	BAJA	KANG	BARA	ZN 1 MEAN	BAJA	KANG	BARA	ZN 1 MEAN	BAJA	KANG	BARA	ZN 1 MEAN	BAJA	KANG	BARA	ZN 1 MEAN
1	CHH - 219	2.5	1.3	1.3	1.9	195	167	169	177	169	71	66	77	95	71	66	77
2	H K H - 1188	2.0	1.3	1.3	1.6	197	168	152	172	152	65	67	76	98	65	67	76
3	M H 03-2	2.0	1.3	1.3	1.6	166	178	162	169	162	65	61	69	81	65	61	69
4	V - 33	2.5	1.5	1.5	2.0	164	157	168	163	168	63	57	68	84	63	57	68
5	J K M H - 702	2.2	1.0	1.0	1.6	170	173	167	170	167	65	70	74	87	65	70	74
6	X - 85	2.2	1.0	1.0	1.6	150	148	167	155	167	55	78	65	63	55	78	65
7	P M Z - 150	2.2	1.3	1.3	1.7	162	162	159	161	159	58	56	62	72	58	56	62
CHECKS:																	
8	K H - 510	2.7	1.0	1.0	1.8	171	160	170	167	170	60	73	74	91	60	73	74
9	BIO- 9637	2.3	1.3	1.3	1.8	206	178	170	185	170	72	64	80	104	72	64	80
10	NAVJOT	2.5	1.3	1.3	1.9	173	158	166	166	166	58	61	67	81	58	61	67
MEAN LOCATION																	
		2.3	1.2	1.2	1.8	175	165	165	168	165	63	65	71	86	63	65	71
C.D. AT 5% =		0.4	0.6	0.6	0.5	19.0	22.6	21.3	21.0	21.3	15.1	19.2	18.0	19.9	15.1	19.2	18.0
C.V. % =		9.1	36.2	36.2	-	6.3	8.0	8.9	-	8.9	13.9	20.3	-	13.5	13.9	20.3	-
F (Prob)		.008	.840	.840	-	.000	.172	.774	-	.774	.392	.383	-	.015	.392	.383	-

TABLE NO. 10 (CONT.)

NO PEDIGREE	EAR No. / PLANT		H.turc. *		H.may. *		STAND AT HARVEST			ZN 1
	BARA	BAJA	BAJA	BAJA	BAJA	BAJA	BAJA	KANG	BARA	MEAN
1 CHH - 219	0.95	2.7	1.8	52	42	58				50
2 H K H - 1188	0.94	2.5	1.5	62	39	56				52
3 M H 03-2	0.97	2.7	1.8	37	44	55				45
4 V - 33	0.99	2.5	2.0	65	40	61				55
5 J K M H - 702	0.94	2.7	2.2	58	50	56				55
6 X - 85	0.97	2.7	2.0	48	43	59				50
7 P M Z - 150	0.98	2.0	1.8	66	41	58				55
CHECKS:										
8 K H - 510	0.97	2.7	1.7	59	49	54				54
9 BIO- 9637	0.97	1.5	1.5	50	41	60				50
10 NAVJOT	0.98	3.3	2.0	57	42	54				51
MEAN LOCATION										
C.D. AT 5% =	-	2.5	1.8	55	43	57				52
C.V. % =	-	0.5	0.4	7.6	4.3	6.0				6.0
F (Prob)	-	12.5	13.0	8.0	5.8	7.3				-
	-	.000	.039	.000	.000	.298				-

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

TABLE NO. 11

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT DELHI (IARI), LUDHIANA, KARNAL, KANPUR IN AET 1st YEAR, TRIAL NO. TR66Z2 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 2	
		DELH	R	LUDH	R	KARN	R	KARN	R	KANP	R	MEAN	R		
1	J K M H - 702	1395	3	5130	2	5386	1	7334	4	4811	3				
2	M H 03-2	1280	4	4892	3	5305	4	7182	5	4665	4				
3	V - 32	1121	5	4274	6	3838	6	7038	6	4068	6				
CHECKS:															
4	K H - 510	1593	2	4367	5	5382	2	8323	2	4916	2				
5	BIO- 9637	1795	1	5690	1	5377	3	8711	1	5393	1				
6	NAVJOT	1110	6	4449	4	4154	5	7896	3	4402	5				
	MEAN YIELD=	1382		4800		4907		7747		4709					
	MEAN STAND	27		66		53		77		56					
	C.D. AT 5% =	330		936		152		1006		606					
	C.V. %	13.28		13.07		1.72		7.22		-					
	F (Prob)	.080		.013		.000		.006		-					
	PLOT SIZE=	15.00		10.92		12.00		12.00		-					
AGRONOMY DATA:															
	SOWING DATE (2005)	28-07		1-07		28-06		1-07		-					
	HARVEST DATE (2005)	-		10-10		29-09		8-10		-					
	IRRIGATION NOS	-		7		4		-		-					
	FERTILIZER APPLIED N	100		150		150		-		-					
	P	80		60		60		-		-					
	K	60		30		40		-		-					

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : PANT 41.5%

TABLE NO. 11 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE				SUPERIORITY OVER THE				
		DELH	LUDH	KARN	KANP	ZN 2 MEAN	DELH	LUDH	KARN	KANP
1	J K M H - 702	-	17.48	0.09	-	-	-	0.18	-	-
2	M H 03-2	-	12.02	-	-	-	-	-	-	-
3	V - 32	-	-	-	-	-	-	-	-	-
CHECKS:										
4	K H - 510	-	-	-	-	-	-	0.09	-	-
5	BIO- 9637	12.65	30.28	-	4.66	9.70	-	-	-	-
6	NAVJOT	-	1.86	-	-	-	-	-	-	-

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT				DAYS TO 50% POLLEN SHED				
		DELH	LUDH	KARN	KANP	ZN 2 MEAN	DELH	LUDH	KARN	KANP
1	J K M H - 702	25.61	15.33	29.68	-	9.30	51.7	53.0	49.7	49.0
2	M H 03-2	15.31	9.97	27.73	-	5.97	48.3	50.5	46.7	48.0
3	V - 32	1.01	-	-	-	-	46.0	49.0	47.3	48.0
CHECKS:										
4	K H - 510	43.50	-	29.57	5.41	11.68	49.7	54.0	48.7	53.0
5	BIO- 9637	61.65	27.90	29.46	10.32	22.51	49.3	54.5	50.7	53.3
6	NAVJOT	-	-	-	-	-	46.7	51.8	48.0	50.0
MEAN LOCATION										
C.D. AT 5% =										
C.V. % =										
F (Prob) =										

TABLE NO. 11 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% SILKING						DAYS TO 50% DRY HUSK						MOISTURE & AT						
		DELH	LU DH	KARN	KANP	ZN 2 MEAN	LU DH	KARN	KANP	ZN 2 MEAN	DELH	LU DH	KARN	KANP	ZN 2 MEAN	DELH	LU DH	KARN	KANP	ZN 2 MEAN
1	J K M H - 702	54.7	55.5	52.7	54.3	54.3	86.8	86.7	78.3	83.9	28.8	21.9	25.3	25.3	28.0	21.7	21.8	23.5	23.5	25.3
2	M H 03-2	51.3	52.3	49.3	53.3	50.6	84.3	85.7	79.3	83.3	30.2	21.8	23.5	23.5	25.2	21.7	21.8	23.5	23.5	25.3
3	V 32	49.3	50.3	49.3	53.3	50.6	84.3	85.7	79.3	83.3	30.2	21.8	23.5	23.5	25.2	21.7	21.8	23.5	23.5	25.3
4	CHECKS	52.0	57.0	50.7	59.0	54.6	86.5	88.7	75.3	83.5	28.0	22.0	25.2	25.2	28.0	22.0	22.0	25.2	25.2	28.0
5	K H - 510	52.0	57.0	50.7	59.0	54.6	86.5	88.7	75.3	83.5	28.0	22.0	25.2	25.2	28.0	22.0	22.0	25.2	25.2	28.0
6	BIO - 9637	50.3	54.5	50.3	55.7	51.5	84.5	85.9	76.3	83.3	27.3	21.8	23.5	23.5	27.3	21.8	21.8	23.5	23.5	27.3
	NAVJOT LOCATION	51.1	54.4	50.8	55.3	52.1	85.1	87.3	77.3	83.7	28.2	21.0	23.4	23.4	28.2	21.0	21.0	23.4	23.4	28.2
	MEAN AT 5% =	51.1	54.4	50.8	55.3	52.1	85.1	87.3	77.3	83.7	28.2	21.0	23.4	23.4	28.2	21.0	21.0	23.4	23.4	28.2
	C.D. AT 5% =	5.1	2.0	1.2	0.9	-	1.0	0.7	0.0	-	4.0	1.4	1.1	-	4.0	1.4	1.1	-	-	-
	C.V. (Prob)	5.323	2.000	1.000	0.000	-	0.000	0.001	0.128	-	0.005	1.001	0.001	-	0.005	1.001	0.001	-	-	-
SL NO	PEDIGREE	PLANT HEIGHT (cm)						UNIFORMITY*						PLANT HEIGHT (cm)						
		DELH	LU DH	KARN	KANP	HUSK COV. KANP	DELH	LU DH	KARN	KANP	ZN 2 MEAN	DELH	LU DH	KARN	KANP	DELH	LU DH	KARN	KANP	ZN 2 MEAN
1	J K M H - 702	3.3	3.2	3.2	3.2	3.0	3.2	3.2	3.2	3.2	3.0	162	143	187	176	171	170	177	176	171
2	M H 03-2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	143	187	177	167	171	170	177	167	171
3	V 32	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	143	187	177	167	171	170	177	167	171
4	CHECKS	3.5	3.8	3.2	3.2	3.0	3.2	3.2	3.2	3.2	3.2	192	208	180	170	175	180	175	170	175
5	K H - 510	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	179	179	179	179	179	179	179	179	179
6	BIO - 9637	3.3	3.0	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	179	179	179	179	179	179	179	179	179
	NAVJOT LOCATION	3.0	3.4	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	179	179	179	179	179	179	179	179	179
	MEAN AT 5% =	3.0	3.4	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	179	179	179	179	179	179	179	179	179
	C.D. AT 5% =	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	C.V. (Prob)	7.003	0.024	0.024	0.005	0.005	0.044	0.075	0.000	0.185	0.005	0.044	0.075	0.000	0.185	0.044	0.075	0.000	0.185	0.044
SL NO	PEDIGREE	EAR HEIGHT (cm)						EAR NO. / PLANT						STAND AT HARVEST						
		DELH	LU DH	KARN	KANP	ZN 2 MEAN	DELH	LU DH	KARN	KANP	ZN 2 MEAN	DELH	LU DH	KARN	KANP	DELH	LU DH	KARN	KANP	ZN 2 MEAN
1	J K M H - 702	67	78	102	58	76	1.08	0.97	12	72	57	72	57	72	57	72	57	72	57	72
2	M H 03-2	60	75	100	72	77	0.84	1.12	19	63	53	63	53	63	53	63	53	63	53	63
3	V 32	80	85	80	58	76	1.00	1.05	37	71	52	71	52	71	52	71	52	71	52	71
4	CHECKS	70	71	95	70	76	1.03	1.05	21	58	50	58	50	58	50	58	50	58	50	58
5	K H - 510	85	80	115	90	85	1.03	0.97	21	71	56	71	56	71	56	71	56	71	56	71
6	BIO - 9637	75	77	98	83	80	1.00	1.04	27	66	43	66	43	66	43	66	43	66	43	66
	NAVJOT LOCATION	20.8	12.3	8.6	13.4	13.7	-	-	19.8	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.2	6.7	10.2
	MEAN AT 5% =	15.3	12.8	4.00	10.1	10.1	-	-	40.5	10.43	6.129	10.43	6.129	10.43	6.129	10.43	6.129	10.43	6.129	10.43
	C.D. AT 5% =	0.88	0.128	0.001	0.001	0.001	-	-	0.49	0.43	0.11	0.43	0.11	0.43	0.11	0.43	0.11	0.43	0.11	0.43
	C.V. (Prob)	1.088	0.128	0.001	0.001	0.001	-	-	0.49	0.43	0.11	0.43	0.11	0.43	0.11	0.43	0.11	0.43	0.11	0.43

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

TABLE NO. 12

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, KUSHMOHOT, RANCHI, AMBIKAPUR IN AET 1st YEAR, TRIAL No. TR66Z3 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN 3	
		BELI	R	VARA	R	KUSH	R	RANC	R	AMBI	R	MEAN	R
1	E C - 3138	2609	9	2955	11	3878	7	2106	12	4735	11	3257	11
2	CHH - 219	2768	7	3250	9	3927	5	2295	7	5251	7	3498	9
3	A H - 31417	2691	8	2792	13	3770	11	2222	10	4518	12	3198	12
4	A H - 31406	2446	11	3199	10	3866	8	2283	9	5035	9	3366	10
5	H K H - 1191	3187	2	4172	4	4113	1	2791	5	5647	4	3982	2
6	H K H - 1188	2785	6	3894	5	3650	12	3079	2	5366	6	3755	4
7	M H 03-2	2270	13	4302	2	3927	6	2291	8	5598	5	3677	5
8	V - 32	3117	3	3707	6	3944	4	2133	11	4918	10	3564	8
9	V - 33	3037	4	4229	3	3581	13	2352	6	5178	8	3675	6
10	P M Z - 150	3380	1	3491	7	4044	3	3016	3	5974	2	3981	3
CHECKS:													
11	K H - 510	2482	10	3279	8	3811	10	2852	4	5783	3	3641	7
12	BIO- 9637	2826	5	4518	1	3835	9	3291	1	5984	1	4091	1
13	NAVJOT	2355	12	2902	12	4083	2	1733	13	4421	13	3099	13
	MEAN YIELD=	2766		3592		3879		2496		5262		3599	
	MEAN STAND	64		71		75		31		69		62	
	C.D. AT 5%	614		434		551		547		612		552	
	C.V. %	15.52		8.45		9.93		13.03		8.13		-	
	F (Prob)	.000		.000		.217		.000		.000		-	
	PLOT SIZE=	12.00		15.00		15.00		7.00		15.00		-	
AGRONOMY DATA:													
	SOWING DATE(2005)	4-07		1-07		13-07		2-08		7-07		-	
	HARVEST DATE(2005)	18-10		5-10		23-10		23-11		-		-	
	IRRIGATION NOS	2		1		2		1		-		-	
	FERTILIZER APPLIED	N 120		100		120		80		100		-	
	P	60		60		60		60		60		-	
	K	60		40		40		40		40		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e.> 20%) : DHOL 22.5%

TABLE NO. 12 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE K H - 510				GRAIN YIELD & SUPERIORITY OVER THE BIO- 9637				
		GORA BELI	VARA	KUSH	RANC	AMBI	RANC	BELI	VARA	KUSH
1	E C - 3138	5.15	-	1.75	-	-	-	-	-	1.11
2	CHH - 219	11.53	-	3.03	-	-	-	-	-	2.39
3	A H - 31417	8.43	-	-	-	-	-	-	-	-
4	A H - 31406	-	-	1.43	-	-	-	-	-	0.80
5	H K H - 1191	28.43	27.23	7.93	-	-	12.78	-	-	7.26
6	H K H - 1188	12.25	18.77	-	7.94	-	-	-	-	-
7	M H 03-2	-	31.19	-	-	-	-	-	-	2.38
8	V - 32	25.61	13.07	3.03	-	-	10.30	-	-	2.84
9	V - 33	22.38	28.96	3.49	-	-	7.47	-	-	-
10	P M Z - 150	36.21	6.47	6.12	5.75	3.30	19.61	-	-	5.45
CHECKS:										
11	K H - 510	-	-	-	-	-	-	-	-	-
12	BIO- 9637	13.88	37.80	0.63	15.37	3.47	12.34	-	-	-
13	NAVJOT	-	-	7.12	-	-	-	-	-	6.45

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT				GRAIN YIELD & SUPERIORITY OVER THE NAVJOT				
		GORA BELI	VARA	KUSH	RANC	AMBI	RANC	BELI	VARA	KUSH
1	E C - 3138	10.82	1.85	-	21.53	7.10	5.10	-	-	-
2	CHH - 219	17.54	11.99	-	32.48	18.77	12.89	-	-	-
3	A H - 31417	14.28	-	-	28.25	2.18	3.23	-	-	-
4	A H - 31406	3.88	10.23	-	31.78	13.88	8.62	-	-	-
5	H K H - 1191	35.36	43.77	0.76	61.06	27.73	28.51	-	-	-
6	H K H - 1188	18.30	34.20	-	77.71	21.39	21.19	-	-	-
7	M H 03-2	-	48.24	-	32.22	26.62	18.68	-	-	-
8	V - 32	32.38	27.76	-	23.09	11.24	15.02	-	-	-
9	V - 33	28.99	45.72	-	35.75	17.13	18.62	-	-	-
10	P M Z - 150	43.56	20.30	-	74.10	35.13	28.49	-	-	-
CHECKS:										
11	K H - 510	-	-	-	-	-	-	-	-	-
12	BIO- 9637	5.39	13.00	-	64.63	30.81	17.52	-	-	-
13	NAVJOT	20.02	55.71	-	89.93	35.35	32.03	-	-	-

TABLE NO. 12 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *			EAR ASPECT *			HUSK COVER			* ZN 3		
		GORA BELI	KUSH	AMBI	GORA BELI	KUSH	AMBI	GORA BELI	AMBI	GORA BELI	AMBI	MEAN	
1	E C	2.1	3.0	6.6	2.4	5.4	2.6	2.4	2.2	5.5	2.2	5.4	
2	CHH	2.2	2.2	2.2	2.2	4.0	2.2	2.2	2.2	2.2	2.2	2.2	
3	A H	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
4	A H K H	1.1	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
5	H H	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
6	H H K H	1.1	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
7	H H K H 03-2	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
8	V	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
9	V M Z	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
10	P M Z - 150	2.1	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
	CHECKS:												
11	K H - 510	2.2	3.0	7.7	2.4	5.0	2.2	2.2	2.2	2.2	2.2	2.2	
12	BIO - 9637	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
13	NAVJOT LOCATION	2.2	2.2	2.2	2.2	5.5	2.2	2.2	2.2	2.2	2.2	2.2	
	MEAN LOCATION	2.0	2.4	2.7	2.0	4.6	2.0	2.0	2.0	2.0	2.0	2.0	
	C.D. AT 5% =	13.0	11.38	9.44	17.186	12.9	11.893	14.005	14.005	14.005	14.005	14.005	
	C.V. %	13.01	10.38	8.44	17.186	12.9	11.893	14.005	14.005	14.005	14.005	14.005	
	F (Prob)	13.01	10.38	8.44	17.186	12.9	11.893	14.005	14.005	14.005	14.005	14.005	
SI NO	PEDIGREE	UNIFORMITY			PLANT HEIGHT (cm)			* ZN 3					
		GORA BELI	KUSH	AMBI	GORA BELI	VARA	KUSH	GORA BELI	AMBI	MEAN			
1	E C	3.0	7.8	2.8	154	253	178	254	137	195			
2	CHH	2.2	2.2	2.2	146	223	169	246	111	183			
3	A H	2.2	2.2	2.2	132	248	162	239	111	172			
4	A H K H	1.1	2.2	2.2	158	235	153	257	116	198			
5	H H	2.2	2.2	2.2	136	220	162	230	117	188			
6	H H K H	1.1	2.2	2.2	131	223	142	258	115	187			
7	H H K H 03-2	2.2	2.2	2.2	133	210	172	232	112	181			
8	V	2.2	2.2	2.2	131	230	164	229	112	189			
9	V M Z	2.2	2.2	2.2	130	240	145	235	112	175			
10	P M Z - 150	2.2	2.2	2.2	130	240	145	235	112	175			
	CHECKS:												
11	K H - 510	2.2	2.2	2.2	135	215	139	243	138	174			
12	BIO - 9637	2.2	2.2	2.2	152	228	177	253	112	190			
13	NAVJOT LOCATION	2.2	2.2	2.2	148	218	156	243	112	176			
	MEAN LOCATION	2.4	2.4	2.4	138	227	159	244	113	180			
	C.D. AT 5% =	0.4	0.4	0.4	18.8	8.7	15.9	18.1	24.8	17.2			
	C.V. %	11.0	10.33	10.33	19.53	2.7	17.0	18.1	11.64	17.2			
	F (Prob)	11.0	10.33	10.33	19.53	2.7	17.0	18.1	11.64	17.2			

TABLE NO. 12 (CONT.)

SL NO	PEDIGREE	EAR HEIGHT (cm)				EAR NO. / PLANT				ZN 3 MEAN	AMBI	RANC	KUSH	VARA	GORA BELI	AMBI	RANC	KUSH	VARA	GORA BELI	AMBI		
		GORA BELI	VARA	KUSH	RANC	GORA BELI	VARA	KUSH	RANC														
1	E C - 3138	77	105	97	52	105	97	52	87	105	52	97	52	0.95	1.00	0.99	1.01	0.99	0.95	1.00	0.99	1.01	1.00
2	CHH - 219	62	110	85	50	99	85	50	81	99	50	85	50	0.91	0.99	0.98	1.00	0.98	0.91	0.99	0.98	1.00	1.17
3	A H - 31417	63	113	81	45	98	81	45	79	98	45	81	45	0.92	0.99	1.00	1.00	1.00	0.92	0.99	1.00	1.00	1.16
4	A H H - 31406	58	113	82	55	92	82	55	77	92	55	82	55	0.93	0.99	0.98	0.99	0.98	0.93	0.99	0.98	0.99	1.24
5	A H K H - 1191	47	90	77	58	96	77	58	73	96	58	77	58	1.01	0.98	1.02	1.00	1.02	1.01	0.98	1.02	1.00	1.11
6	H K H 03-2	54	80	72	47	90	72	47	69	90	47	72	47	0.92	0.97	0.99	1.00	0.99	0.92	0.97	0.99	1.00	1.19
7	M V - 32	58	83	80	48	93	80	48	73	93	48	80	48	0.93	0.98	0.97	1.00	0.97	0.93	0.98	0.97	1.00	1.12
8	V - 33	58	105	80	47	93	80	47	75	93	47	80	47	0.93	0.96	0.97	1.00	0.97	0.93	0.96	0.97	1.00	1.18
9	V M Z - 150	56	98	65	42	81	65	42	68	81	42	65	42	1.00	0.97	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.16
10	P CHECKS:																						
11	K H - 510	54	83	54	53	91	54	53	67	91	53	54	53	0.95	0.97	0.98	1.00	0.98	0.95	0.97	0.98	1.00	1.02
12	BIO - 9637	65	88	82	56	96	82	56	74	96	56	82	56	0.94	0.98	0.96	1.00	0.96	0.94	0.98	0.96	1.00	1.21
13	NAVJOT LOCATION	58	94	77	40	92	77	40	71	92	40	77	40	0.94	0.98	1.01	1.00	1.01	0.94	0.98	1.01	1.00	1.12
	MEAN	14.8	4.9	13.4	11.9	15.9	13.4	11.9	12.2	15.9	11.9	13.4	11.9	-	-	-	-	-	-	-	-	-	-
	C.D. AT 5% =	17.8	3.7	12.1	14.5	11.8	12.1	14.5	-	11.8	14.5	12.1	14.5	-	-	-	-	-	-	-	-	-	-
	C.V. %	0.39	0.00	0.00	0.72	0.403	0.00	0.72	-	0.403	0.72	0.00	0.72	-	-	-	-	-	-	-	-	-	-
	F (Prob)																						
STAND AT HARVEST																							
SL NO	PEDIGREE	GORA BELI				VARA				KUSH				RANC				AMBI	RANC	KUSH	VARA	GORA BELI	AMBI
		GORA BELI	VARA	KUSH	RANC	GORA BELI	VARA	KUSH	RANC	GORA BELI	VARA	KUSH	RANC	GORA BELI	VARA	KUSH	RANC						
1	E C - 3138	70	75	73	35	75	73	35	68	75	73	35	68	64	64	66	62	60	55	59	54	65	65
2	CHH - 219	65	70	75	31	70	75	31	79	70	75	31	79	64	64	66	62	60	55	59	54	65	65
3	A H - 31417	65	71	82	28	71	82	28	78	71	82	28	78	64	64	66	62	60	55	59	54	65	65
4	A H H - 31406	66	74	76	31	74	76	31	79	74	76	31	79	64	64	66	62	60	55	59	54	65	65
5	A H K H - 1191	49	68	72	32	68	72	32	56	68	72	32	56	64	64	66	62	60	55	59	54	65	65
6	H K H 03-2	62	68	72	32	68	72	32	56	68	72	32	56	64	64	66	62	60	55	59	54	65	65
7	M V - 32	65	71	76	32	71	76	32	84	71	76	32	84	64	64	66	62	60	55	59	54	65	65
8	V - 33	72	74	73	32	74	73	32	72	74	73	32	72	64	64	66	62	60	55	59	54	65	65
9	P CHECKS:																						
10	M Z - 150	75	71	77	32	71	77	32	72	71	77	32	72	64	64	66	62	60	55	59	54	65	65
11	K H - 510	55	73	75	32	73	75	32	59	73	75	32	59	64	64	66	62	60	55	59	54	65	65
12	BIO - 9637	61	70	77	31	70	77	31	68	70	77	31	68	64	64	66	62	60	55	59	54	65	65
13	NAVJOT LOCATION	64	71	75	31	71	75	31	69	71	75	31	69	64	64	66	62	60	55	59	54	65	65
	MEAN	6.1	4.5	5.7	5.3	4.5	5.7	5.3	8.4	4.5	5.7	5.3	8.4	6.0	6.0	6.2	6.0	5.9	6.0	6.0	6.0	6.0	6.0
	C.D. AT 5% =	6.6	4.4	5.3	10.3	4.4	5.3	10.3	8.5	4.4	5.3	10.3	8.5	-	-	-	-	-	-	-	-	-	-
	C.V. %	0.00	0.26	0.55	0.325	0.26	0.55	0.325	0.00	0.26	0.55	0.325	0.00	-	-	-	-	-	-	-	-	-	-
	F (Prob)																						

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

TABLE NO. 13

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SHAKTI SEEDS HYDERABAD, KARIMNAGAR, MANDYA, COIMBATORE, KOLHAPUR IN AET 1st YEAR, TRIAL NO. TR6624 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 4	
		SHAK	R	KARI	R	MAND	R	COIM	R	KOLH	R	MEAN	R		
1	E C - 3138	5650	11	5384	13	5434	2	5110	10	2327	3	4781	10		
2	CHH - 218	6302	7	6222	9	5293	6	5346	8	2099	5	5052	9		
3	A H - 31403	5823	9	6018	10	5344	5	5001	11	1028	13	4643	12		
4	H K H - 1188	6785	5	9118	1	5463	1	6033	3	2578	2	5995	1		
5	M H 03-2	5926	8	5751	11	5092	9	4991	12	1642	11	4681	11		
6	J K M H - 702	6607	6	8728	4	5077	10	5941	4	1918	9	5654	4		
7	X - 85	5414	12	8726	5	5253	7	6473	1	1197	12	5413	7		
8	P M Z - 150	5815	10	7575	8	5241	8	5756	6	1952	7	5268	8		
9	P M Z - 139	7609	1	8924	2	4387	13	5921	5	1715	10	5711	3		
10	S M H - 3103	6909	4	8837	3	5421	3	6204	2	2070	6	5888	2		
CHECKS:															
11	K H - 510	7059	3	7701	7	4754	12	5637	7	2788	1	5588	5		
12	BIO- 9637	7116	2	8049	6	5072	11	5343	9	1920	8	5500	6		
13	NAVJOT	4582	13	5536	12	5347	4	3321	13	2113	4	4180	13		
	MEAN YIELD=	6277		7428		5168		5468		1950		5258			
	MEAN STAND	77		65		63		53		72		66			
	C.D. AT 5% =	1143		1334		1043		418		514		890			
	C.V. % =	12.72		12.54		12.00		5.34		15.69		-			
	F (Prob)	.000		.000		.051		.000		.000		-			
	PLOT SIZE=	12.00		12.00		14.00		9.60		15.00		-			
AGRONOMY DATA:															
	SOWING DATE (2005)	14-08		10-07		6-08		2-07		4-07		-			
	HARVEST DATE (2005)	27-11		25-10		7-12		20-10		7-11		-			
	IRRIGATION NOS	4		2		5		10		-		-			
	FERTILIZER APPLIED N	120		180		150		135		120		-			
	P	60		60		75		63		60		-			
	K	60		30		40		50		40		-			

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : HYDE 25.5% : ARBH 21.1%

TABLE NO. 13 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE K H - 510						ZN 4 MEAN
		HYDE SHAK	KARI	MAND	COIM	KOLH		
1	E C - 3138	-	-	14.29	-	-	-	-
2	CHH - 218	-	-	11.34	-	-	-	-
3	A H - 31403	-	-	12.40	-	-	-	-
4	H K H - 1188	-	18.40	14.90	7.03	-	-	7.29
5	M H 03-2	-	-	7.11	-	-	-	-
6	J K M H - 702	-	-	6.79	5.39	-	-	1.19
7	X - 85	-	13.34	10.50	14.83	-	-	-
8	P M Z - 150	-	13.30	10.24	2.11	-	-	-
9	P M Z - 139	-	-	-	5.05	-	-	2.21
10	S M H - 3103	7.79	15.88	14.03	10.07	-	-	5.38
	CHECKS:	-	14.75	-	-	-	-	-
11	K H - 510	-	-	6.68	-	-	-	-
12	BIO- 9637	0.81	4.52	12.46	-	-	-	-
13	NAVJOT	-	-	-	-	-	-	-

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE BIO- 9637						ZN 4 MEAN
		HYDE SHAK	KARI	MAND	COIM	KOLH		
1	E C - 3138	-	-	7.14	-	-	-	-
2	CHH - 218	-	-	4.37	0.05	-	21.18	-
3	A H - 31403	-	-	5.37	-	-	9.31	-
4	H K H - 1188	-	-	7.71	-	-	-	-
5	M H 03-2	-	13.28	0.40	12.91	34.27	-	9.01
6	J K M H - 702	-	-	0.10	-	-	-	-
7	X - 85	-	8.44	3.58	11.18	-	-	2.80
8	P M Z - 150	-	8.41	3.34	21.14	-	1.68	-
9	P M Z - 139	-	-	-	7.73	-	-	-
10	S M H - 3103	6.93	10.87	6.89	10.82	7.81	-	3.84
	CHECKS:	-	9.79	-	16.12	-	-	7.06
11	K H - 510	-	-	-	5.50	45.21	-	1.60
12	BIO- 9637	-	-	-	-	-	-	-
13	NAVJOT	-	-	5.42	-	10.04	-	-

TABLE NO. 13 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT				DAYS TO 50% POLLEN SHED				ZN 4 MEAN			
		HYDE SHAK	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE SHAK	KARI		MAND	COIM	KOLH
1	E C - 3138	23.31	12.40	1.63	53.90	10.13	14.39	49.5	48.3	52.7	50.8	55.3	51.3
2	CHH - 218	37.54	18.72	-	60.98	-	20.09	48.8	48.0	52.3	51.5	55.7	51.7
3	A H H - 31403	27.10	64.71	2.17	50.69	22.02	11.09	51.0	50.8	54.7	52.3	55.7	53.6
4	H K H - 1188	48.08	3.89	-	81.69	-	43.44	52.7	50.0	48.7	45.3	55.7	49.1
5	M H K - 702	29.34	57.67	-	50.90	-	11.99	47.8	48.0	52.1	45.3	55.7	42.7
6	J X - 150	44.19	36.84	-	79.34	-	35.28	51.8	46.0	51.0	46.7	55.8	49.2
7	K H - 150	18.93	51.21	-	73.34	-	26.04	48.0	48.0	53.7	50.7	55.8	42.1
8	P M Z - 139	26.06	59.64	1.39	78.32	-	36.64	52.3	52.0	55.0	51.0	55.8	53.4
9	S M H - 3103	50.79	39.12	-	86.84	-	40.89	54.4	48.0	55.5	52.0	55.8	54.4
10	CHECKS:												
11	K H - 510	54.06	45.40	-	69.75	31.97	33.70	50.5	49.3	52.7	51.5	59.0	52.6
12	BIO - 9637	55.31	-	-	60.91	-	31.59	53.8	48.0	55.7	49.5	55.8	54.7
13	NAVJOT LOCATION	-	-	-	-	-	-	49.7	48.9	50.8	49.4	55.1	50.2
	C.D. AT 5% =	-	-	-	-	-	-	1.4	1.8	2.4	1.6	1.4	1.7
	C.V. % =	-	-	-	-	-	-	2.0	2.0	2.0	2.0	2.0	1.4
	F (Prob)	-	-	-	-	-	-	-	-	-	-	-	-

SL NO	PEDIGREE	DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK				ZN 4 MEAN			
		HYDE SHAK	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE SHAK	KARI		MAND	COIM	KOLH
1	E C - 3138	51.8	51.8	53.3	54.8	53.7	92.5	90.3	94.0	97.8	93.3	93.4	93.4
2	CHH - 218	51.0	53.3	54.7	55.4	54.3	93.5	89.0	94.0	98.5	94.3	94.5	94.5
3	A H H - 31403	53.5	47.3	57.0	56.1	56.0	95.5	90.0	94.0	97.5	95.3	96.0	95.0
4	H K H - 1188	49.5	54.7	51.3	55.9	56.3	101.0	94.0	93.7	99.8	92.7	91.4	91.9
5	M H K - 702	53.8	51.3	55.0	53.8	54.8	97.3	91.0	94.7	92.8	94.0	92.8	94.8
6	J X - 150	50.3	48.8	54.7	53.8	52.3	94.5	88.0	93.0	96.8	95.7	93.4	93.4
7	K H - 150	52.5	52.8	57.3	56.0	55.4	97.3	91.0	94.3	96.0	93.0	93.5	94.1
8	P M Z - 139	55.3	55.5	57.3	56.2	57.3	98.3	91.0	93.0	99.0	97.0	95.0	95.7
9	S M H - 3103	55.3	55.5	57.3	56.2	57.3	98.3	91.0	93.0	99.0	97.0	95.0	95.7
10	CHECKS:												
11	K H - 510	52.0	52.8	54.7	55.8	55.3	93.5	89.0	94.0	98.5	96.0	94.8	94.3
12	BIO - 9637	56.0	51.0	58.0	56.1	56.0	97.3	92.0	94.0	99.8	94.3	95.5	95.0
13	NAVJOT LOCATION	52.7	51.8	55.3	54.1	53.8	95.4	90.0	93.7	96.5	94.3	93.2	93.2
	C.D. AT 5% =	1.5	1.8	2.3	2.0	1.8	1.6	1.4	1.4	1.9	1.6	1.4	1.5
	C.V. % =	2.0	2.7	2.4	2.2	2.4	1.1	2.7	0.9	0.7	1.0	1.0	1.1
	F (Prob)	2.0	3.0	2.0	1.0	1.4	1.0	1.0	.464	.000	.000	.000	.000

TABLE NO. 13 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 4 MEAN	ZN 4 MEAN
		KARI	MAND	COIM	KOLH	KARI	MAND	COIM	KOLH		
1	E C - 3138	2.8	3.0	3.0	2.0	190	208	192	176	170	187
2	CHH - 218	3.0	2.7	3.0	2.0	188	211	182	188	183	190
3	A H K - 31403	1.0	2.7	3.0	2.3	178	200	185	185	185	186
4	H K H 03-2 - 1188	1.2	2.3	3.0	1.2	196	209	164	162	160	170
5	M J K - M H - 702	1.1	2.3	3.0	1.2	153	209	190	165	158	177
6	X P M Z - 150	1.2	2.3	3.0	1.2	166	200	159	145	150	159
7	M Z - 139	1.2	2.3	3.0	1.2	141	204	168	164	148	160
8	P M H - 3103	1.3	2.7	3.0	1.2	162	202	179	164	143	170
9	S M H	3.0	2.2	3.0	2.0	180	231	190	184	175	192
10	CHECKS:										
11	K H - 510	2.8	2.0	3.0	2.3	165	215	172	175	163	178
12	BIO - 9637	2.0	2.3	3.0	2.3	187	219	184	191	177	192
13	NAVJOT	3.0	2.4	3.0	2.3	172	196	183	167	162	176
	MEAN LOCATION	0.9	0.8	0.2	0.5	177	18.2	17.0	18.7	16.4	17.9
	C.D. AT 5% =	26.0	20.5	5.0	14.8	13.5	6.1	5.6	3.5	7.3	13.0
	C.V. (Prob)	.000	.498	.000	.390	.000	.000	.001	.000	.000	-

SI NO	PEDIGREE	EAR HEIGHT (cm)				PLANT HEIGHT (cm)				ZN 4 MEAN	ZN 4 MEAN
		KARI	MAND	COIM	KOLH	KARI	MAND	COIM	KOLH		
1	E C - 3138	104	96	86	73	89	98	95	86	86	89
2	CHH - 218	96	99	81	62	85	98	96	88	88	87
3	A H K - 31403	97	91	88	77	87	97	97	87	87	85
4	H K H 03-2 - 1188	80	100	76	52	85	101	103	84	84	85
5	M J K - M H - 702	80	107	86	62	82	98	103	69	74	74
6	X P M Z - 150	59	102	72	65	88	98	101	66	63	86
7	M Z - 139	77	78	66	63	68	99	97	63	63	69
8	P M H - 3103	76	88	84	58	75	99	97	72	72	75
9	S M H	90	99	85	70	84	99	99	76	76	84
10	CHECKS:										
11	K H - 510	77	100	70	60	75	98	97	68	68	75
12	BIO - 9637	80	110	84	63	87	98	97	88	88	87
13	NAVJOT	84	94	80	64	80	97	97	72	72	77
	MEAN LOCATION	11.2	12.1	12.6	6.1	9.7	11.2	11.0	6.6	6.6	9.7
	C.D. AT 5% =	9.3	9.0	9.3	5.6	-	-	-	6.0	6.0	-
	C.V. (Prob)	.000	.000	.022	.000	-	-	-	.000	.000	-

TABLE NO. 13 (CONT.)

Sl	No PEDIGREE	H.turc. STAND AT HARVEST										ZN 4
		*	KOLH	SHAK	KARI	MAND	COIM	KOLH	MEAN	HYDE	SHAK	
1	E C - 3138	1.8	63	73	73	48	69	66				
2	CHH - 218	2.5	66	67	67	58	61	66				
3	A H - 31403	1.8	61	56	56	51	75	64				
4	H K H - 1188	1.8	73	60	60	59	80	70				
5	M H 03-2	1.8	58	66	66	47	51	60				
6	J K M H - 702	1.8	66	60	60	55	72	67				
7	X - 85	2.3	65	66	66	53	70	66				
8	P M Z - 150	1.8	70	70	70	52	78	70				
9	P M Z - 139	1.8	66	55	55	45	81	65				
10	S M H - 3103	2.0	68	64	64	54	66	66				
CHECKS:												
11	K H - 510	2.2	60	67	67	50	76	66				
12	BIO- 9637	1.7	59	55	55	55	64	62				
13	NAVJOT	2.0	70	65	65	57	93	73				
MEAN LOCATION		2.0	65	63	63	53	72	66				
C.D. AT 5% =		0.6	7.9	8.4	8.4	3.6	24.9	10.0				
C.V. % =		18.1	8.5	7.9	7.9	4.8	20.5	-				
F (Prob)		.258	.008	.002	.002	.000	.180	-				

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

TABLE NO. 14

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN AET 1st YEAR, TRIAL NO. TR6625 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE K H - 510									
		UDAI	R	BANS	R	GODH	R	CHHI	R	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	R	ZN 5 MEAN	R
1	L - 186	3478	7	5338	11	3065	6	7393	8	4818	8	-	-	1.24	-	-	-
2	A H - 31406	3220	9	5490	10	2604	10	7294	9	4652	11	-	-	-	-	-	-
3	M H 03-2	4488	6	6346	6	4214	1	8912	6	5990	6	-	-	1.41	39.21	-	-
4	V - 32	4553	5	5649	9	2334	11	6525	10	4765	9	-	-	-	-	-	-
5	J K M H - 702	3258	8	6354	5	3096	5	9917	3	5656	7	-	-	1.53	2.27	0.08	-
6	X - 85	6131	1	6307	7	3448	3	8650	7	6134	4	2.79	0.79	13.90	-	-	-
7	P M Z - 150	5405	3	6547	4	2931	8	9500	5	6096	5	-	-	4.62	-	-	-
8	S M H - 3103	3187	10	7849	1	3264	4	10622	2	6231	3	-	-	25.42	7.83	7.20	-
CHECKS:																	
9	K H - 510	5965	2	6258	8	3027	7	9909	4	6290	2	-	-	-	-	-	-
10	BIO- 9637	4663	4	7164	2	3581	2	11042	1	6612	1	-	-	14.48	18.28	11.43	5.13
11	NAVJOT	2950	11	6607	3	2720	9	6372	11	4662	10	-	-	5.57	-	-	-
	MEAN YIELD=	4300		6355		3117		8740		5628							
	MEAN STAND	57		66		59		74		64							
	C.D. AT 5%	963		1106		555		1357		995							
	C.V. %	13.19		12.08		12.36		10.78		-							
	F (Prob)	.000		.062		.002		.000		-							
	PLOT SIZE=	12.00		12.00		12.00		11.20		-							
AGRONOMY DATA:																	
	SOWING DATE (2005)	1-07		30-06		8-07		7-.7		-							
	HARVEST DATE (2005)	2-10		7-10		7-10		21-10		-							
	IRRIGATION NOS	-		-		1		-		-							
	FERTILIZER APPLIED	90		120		100		120		-							
		60		80		50		60		-							
		-		-		-		40		-							

TABLE NO. 14 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE					ZN 5 MEAN
		BIO-9637	NAVJOT	BANS	GODH	CHHI	
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	ZN 5 MEAN
1	L - 186	-	-	-	-	17.88	3.35
2	A H - 31406	-	-	-	-	9.14	-
3	M H 03-2	-	17.69	-	-	52.11	28.48
4	V - 32	-	-	-	-	54.31	2.21
5	J K M H - 702	-	-	-	-	10.44	21.32
6	X - 85	31.49	-	-	-	107.82	31.57
7	P M Z - 150	15.92	-	-	-	83.21	30.75
8	S M H - 3103	-	9.56	-	-	8.02	33.64
CHECKS:							
9	K H - 510	27.92	-	-	-	102.18	34.91
10	BIO-9637	-	-	-	-	58.05	41.83
11	NAVJOT	-	-	-	-	-	-

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED					ZN 5 MEAN	DAYS TO 50% SILKING					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN		UDAI	BANS	GODH	CHHI		
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	ZN 5 MEAN	
1	L - 186	53.0	44.8	47.0	49.0	48.4	55.0	47.3	49.3	51.3	50.7	50.7	
2	A H - 31406	51.3	45.5	49.3	49.3	48.8	54.7	48.8	51.5	50.5	51.4	51.4	
3	M H 03-2	53.0	47.3	50.3	51.0	50.4	56.0	50.5	52.3	52.3	52.8	52.8	
4	V - 32	51.0	46.0	49.3	49.0	48.8	54.3	49.5	51.5	51.3	51.6	51.6	
5	J K M H - 702	54.0	48.0	50.3	49.8	50.5	57.3	50.8	52.5	51.0	52.9	52.9	
6	X - 85	51.7	47.8	47.8	49.3	49.1	54.3	51.0	49.8	49.8	51.2	51.2	
7	P M Z - 150	54.0	49.0	50.3	51.0	51.1	57.3	52.8	52.5	51.8	53.6	53.6	
8	S M H - 3103	55.7	49.0	50.0	54.0	52.2	57.7	52.5	52.5	54.3	54.2	54.2	
CHECKS:													
9	K H - 510	54.3	47.5	51.8	51.3	51.2	56.0	51.0	54.0	52.5	53.4	53.4	
10	BIO-9637	52.0	48.8	50.5	53.5	51.2	56.3	52.3	52.3	53.8	53.6	53.6	
11	NAVJOT	51.7	46.8	49.5	49.5	49.4	55.0	50.3	51.8	51.8	52.2	52.2	
MEAN LOCATION													
	C.D. AT 5% =	1.6	2.8	1.7	1.1	1.8	1.5	2.9	1.4	1.1	1.7	1.7	
	C.V. % =	1.8	4.2	2.4	1.5	-	1.6	4.0	1.8	1.5	-	-	
	F (Prob)	.000	.058	.000	.000	-	.001	.017	.000	.000	-	-	

TABLE NO. 14 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZIN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZIN 5 MEAN	UDAI	BANS	GODH	CHHI	ZIN 5 MEAN	
1	L - 186	84.7	74.8	73.5	86.0	79.7	17.1	16.6	17.2	18.9	17.5	
2	A H - 31406	85.3	75.3	73.5	88.0	80.5	16.5	16.8	15.6	19.1	17.0	
3	M H 03-2	87.3	79.8	76.0	89.5	83.1	19.8	16.7	17.4	20.9	18.5	
4	V - 32	85.7	78.0	72.5	87.0	80.8	16.5	16.4	16.2	19.9	17.7	
5	J K M H - 702	85.3	81.3	75.3	89.0	82.7	16.9	16.4	17.3	20.1	17.7	
6	X - 85	90.7	78.0	75.3	89.0	83.2	17.0	17.2	18.2	19.9	18.1	
7	P M Z - 150	86.7	80.0	74.5	89.0	82.5	21.8	17.0	15.5	18.6	18.2	
8	S M H - 3103	84.0	78.5	75.8	89.5	81.9	18.5	16.8	16.5	20.1	18.0	
CHECKS:												
9	K H - 510	83.7	80.0	77.0	92.0	83.2	18.8	16.1	16.0	18.7	17.4	
10	BIO- 9637	87.3	79.8	74.8	91.0	83.2	20.0	17.1	16.8	20.6	18.6	
11	NAVJOT	83.0	77.0	74.3	88.0	80.6	16.4	16.7	15.5	19.3	17.0	
MEAN LOCATION												
	C.D. AT 5% =	1.4	2.8	1.3	0.8	1.6	0.8	0.9	1.2	0.7	0.9	
	C.V. % =	1.0	2.5	1.2	0.7	1.6	2.5	3.6	4.8	2.3	2.3	
	F (Prob)	.000	.001	.000	.000	-	.000	.356	.000	.000	-	
PLANT ASPECT *												
SL NO	PEDIGREE	UDAI	BANS	GODH	CHHI	ZIN 5 MEAN	UDAI	BANS	GODH	CHHI	ZIN 5 MEAN	
1	L - 186	1.8	2.1	2.5	2.0	2.1	2.2	2.0	3.0	1.5	2.2	
2	A H - 31406	2.5	2.1	3.3	2.0	2.5	2.9	2.1	3.3	1.1	2.3	
3	M H 03-2	1.9	2.0	2.8	1.5	2.0	1.9	2.0	2.8	1.4	2.0	
4	V - 32	2.0	2.0	2.5	2.0	2.1	2.0	1.9	2.8	1.5	2.0	
5	J K M H - 702	2.2	1.9	2.8	1.3	2.0	2.3	2.0	2.3	1.0	1.9	
6	X - 85	1.7	2.3	2.0	1.0	1.7	2.0	2.0	2.3	1.6	2.0	
7	P M Z - 150	1.7	2.3	2.5	1.5	2.0	1.9	2.0	2.5	1.5	2.0	
8	S M H - 3103	3.1	2.0	2.0	1.0	2.0	3.3	2.1	2.3	1.8	2.4	
CHECKS:												
9	K H - 510	1.7	1.6	2.8	1.0	1.8	1.7	1.9	2.8	1.5	1.9	
10	BIO- 9637	1.9	1.8	2.8	1.3	1.9	2.0	1.8	2.3	1.1	1.8	
11	NAVJOT	2.8	2.0	3.5	2.0	2.6	2.9	2.4	3.3	1.5	2.5	
MEAN LOCATION												
	C.D. AT 5% =	0.5	0.3	0.9	0.2	0.5	0.6	0.3	0.8	0.4	0.5	
	C.V. % =	14.7	12.0	23.8	9.2	16.1	16.1	9.8	20.5	14.6	16.1	
	F (Prob)	.000	.021	.066	.000	-	.000	.017	.062	.000	-	

TABLE NO. 14 (CONT.)

SI NO	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	L - 186	1.8	2.1	3.0	1.8	2.2	1.9	2.1	2.8	1.3	2.0	
2	A H - 31406	1.9	2.0	3.3	2.0	2.3	2.7	2.1	3.0	1.8	2.4	
3	M H 03-2	1.5	2.1	3.0	1.3	2.0	2.2	2.0	2.8	1.8	2.2	
4	V - 32	1.8	2.0	2.8	2.0	2.1	2.2	1.9	3.0	2.0	2.3	
5	J K M H - 702	1.7	1.8	3.0	1.0	1.9	2.4	2.0	2.8	1.5	2.2	
6	X - 85	1.7	2.3	3.0	1.3	2.0	1.7	2.1	2.5	1.0	1.8	
7	P M Z - 150	1.7	2.1	3.0	1.0	2.0	1.8	2.0	2.8	1.5	2.0	
8	S M H - 3103	1.7	2.0	2.5	1.3	1.9	2.4	2.0	2.5	1.0	2.0	
CHECKS:												
9	K H - 510	1.7	1.6	3.0	1.3	1.9	1.9	1.6	2.5	1.3	1.8	
10	BIO - 9637	1.7	1.8	3.0	1.3	1.9	2.2	1.9	2.8	2.0	2.2	
11	NAVJOT	1.6	2.0	3.0	1.5	2.0	2.7	2.3	3.3	2.0	2.5	
MEAN LOCATION												
	C.D. AT 5% =	1.7	2.0	3.0	1.4	2.0	2.2	2.0	2.8	1.5	2.1	
	C.V. % =	0.3	0.3	0.4	0.3	0.3	0.8	0.4	0.8	0.2	0.5	
	F (Prob) =	10.4	12.2	9.6	14.2	-	20.3	12.5	20.8	8.0	-	
		.344	.024	.114	.000	-	.162	.104	.742	.000	-	
PLANT HEIGHT (cm)												
SI NO	PEDIGREE	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	L - 186	153	195	115	175	159	85	94	33	79	73	
2	A H - 31406	157	171	127	170	156	63	83	49	89	71	
3	M H 03-2	188	181	144	184	174	83	84	50	85	75	
4	V - 32	170	193	151	199	178	97	80	58	91	81	
5	J K M H - 702	183	190	157	191	180	95	83	57	83	79	
6	X - 85	160	121	136	160	144	72	85	44	66	67	
7	P M Z - 150	197	163	143	161	166	73	60	49	66	62	
8	S M H - 3103	188	180	163	195	182	95	73	66	91	81	
CHECKS:												
9	K H - 510	152	188	128	194	165	85	83	40	79	72	
10	BIO - 9637	183	206	151	215	189	90	95	59	95	85	
11	NAVJOT	178	180	137	170	166	80	74	51	73	69	
MEAN LOCATION												
	C.D. AT 5% =	43.6	10.4	13.2	18.9	21.5	18.1	9.1	10.2	16.2	13.4	
	C.V. % =	14.8	4.0	6.5	7.1	-	12.7	7.8	14.1	13.8	-	
	F (Prob) =	.367	.000	.000	.000	-	.016	.000	.000	.007	-	

TABLE NO. 14 (CONT.)

SI NO PEDIGREE	EAR NO. / PLANT				STAND AT HARVEST				ZN 5 MEAN
	UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1 L - 186	1.02	0.96	0.94	0.94	55	62	54	73	61
2 A H - 31406	1.00	1.13	0.99	0.99	66	73	62	77	69
3 M H 03-2	1.02	0.98	0.87	0.96	61	62	50	69	61
4 V - 32	1.00	1.05	0.88	0.97	71	74	61	76	70
5 J K M H - 702	0.99	0.93	0.94	0.95	51	69	61	79	65
6 X - 85	1.01	1.01	1.00	0.96	75	69	67	76	72
7 P M Z - 150	1.00	1.03	0.87	1.01	69	72	66	73	70
8 S M H - 3103	1.04	0.99	0.87	0.98	35	66	53	76	57
CHECKS:									
9 K H - 510	1.00	0.97	0.96	0.94	56	52	67	69	61
10 BIO- 9637	1.00	0.95	0.88	1.00	36	59	53	75	55
11 NAVJOT	1.03	0.91	0.87	0.99	48	68	60	76	63
MEAN LOCATION	-	-	-	-	57	66	59	74	64
C.D. AT 5%	-	-	-	-	14.5	15.7	8.0	6.1	11.1
C.V. %	-	-	-	-	14.9	16.5	9.3	5.7	-
F (Prob)	-	-	-	-	.000	.172	.000	.060	-

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

TABLE NO. 15

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, KANGRA, BARAPANI IN AET 1st YEAR, TRIAL No. TR67Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 1	
		ALMO	R	BAJA	R	KANG	R	BARA	R	BARA	R	MEAN	R		
1	J C - 3272	6051	12	4248	10	3354	7	1430	5	3771	11				
2	L - 201	6985	9	4105	12	3437	5	1405	10	3983	9				
3	E H - 1389	8645	3	4997	4	3594	3	1434	3	4667	1				
4	E H - 1485	7610	6	5469	1	3643	2	1406	8	4532	4				
5	F H - 3273	7015	8	5394	2	3286	8	1431	4	4282	7				
6	F H - 3289	7519	7	4582	7	3071	10	1424	7	4149	8				
7	A H - 31405	8663	2	5238	3	2500	12	1438	2	4460	5				
8	X - 2484	8819	1	4308	9	3257	9	1442	1	4457	6				
9	P M Z - 146	8430	4	4918	5	3360	6	1428	6	4534	3				
CHECKS:															
10	PARKASH	6107	10	4322	8	3534	4	1406	9	3842	10				
11	X - 3342	8119	5	4853	6	3801	1	1392	11	4541	2				
12	KIRAN	6071	11	4149	11	2890	11	1385	12	3624	12				
	MEAN YIELD=	7503		4715		3311		1418		4237					
	MEAN STAND	34		57		70		51		53					
	C.D. AT 5% =	1117		944		451		148		665					
	C.V. % =	10.37		11.85		8.07		7.26		-					
	F (Prob)	.000		.021		.000		.260		-					
	PLOT SIZE=	5.40		9.60		9.60		9.00		-					
AGRONOMY DATA:															
	SOWING DATE (2005)	12-07		1-07		20-06		6-07		-					
	HARVEST DATE (2005)	10-11		9-11		-		11-11		-					
	IRRIGATION Nos	-		2		-		-		-					
	FERTILIZER APPLIED N	80		120		80		80		-					
	P	60		60		60		60		-					
	K	40		40		40		40		-					

TABLE NO. 15 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE						ZN 1 MEAN	ZN 1 MEAN
		PARKASH ALMO	BAJA	KANG	BARA	ALMO	BAJA		
1	J C - 3272	-	-	-	1.75	-	-	-	2.76
2	L H - 201	14.38	-	-	2.00	3.66	-	6.48	0.93
3	E H - 1389	41.56	15.61	1.69	0.03	21.48	2.97	2.97	3.01
4	E H - 1485	24.61	26.53	3.07	-	17.95	12.68	12.68	1.02
5	F H - 3273	14.87	24.80	-	1.82	11.44	11.15	-	2.83
6	F H - 3289	23.13	6.00	-	1.33	7.99	-	-	2.33
7	F A H - 31405	41.85	21.18	-	2.28	16.07	7.92	-	3.30
8	X - 2484	44.41	-	-	2.56	15.99	-	-	3.58
9	P M Z - 146	38.04	13.77	-	1.58	18.00	1.33	-	2.59
CHECKS:									
10	PARKASH	-	-	-	-	-	-	-	0.99
11	X - 3342	32.95	12.28	7.57	-	18.20	-	-	-
12	KIRAN	-	-	-	-	-	-	-	-

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE KIRAN						ZN 1 MEAN	DAYS TO 50% POLLEN SHED						ZN 1 MEAN
		ALMO	BAJA	KANG	BARA	ALMO	BAJA		KANG	BARA	ALMO	BAJA	KANG	BARA	
1	J C - 3272	-	2.39	16.05	3.27	4.06	53.3	56.3	48.3	53.5	52.9				
2	L H - 201	15.05	-	18.94	1.43	9.91	51.8	55.7	49.0	55.5	53.0				
3	E H - 1389	42.39	20.45	24.36	3.52	28.80	53.3	59.0	50.7	55.0	54.5				
4	E H - 1485	25.34	31.82	26.05	1.52	25.06	53.3	56.3	51.7	54.3	53.9				
5	F H - 3273	15.54	30.02	13.71	3.34	18.16	51.3	56.7	48.7	55.0	52.9				
6	F H - 3289	23.85	10.43	6.28	2.84	14.50	51.8	55.7	49.7	54.0	52.8				
7	F A H - 31405	42.68	26.25	-	3.81	23.07	56.8	56.7	53.7	55.8	55.7				
8	X - 2484	45.26	3.84	12.71	4.10	22.98	53.3	61.7	50.3	55.5	55.2				
9	P M Z - 146	38.85	18.53	16.28	3.10	25.12	53.8	57.3	49.3	54.0	53.6				
CHECKS:															
10	PARKASH	0.59	4.18	22.30	1.50	6.03	53.8	58.7	49.3	55.8	54.4				
11	X - 3342	33.73	16.98	31.55	0.50	25.33	53.0	57.0	49.7	54.5	53.5				
12	KIRAN	-	-	-	-	-	53.0	59.7	50.3	54.5	54.4				
MEAN LOCATION															
C.D. AT 5% =															
C.V. % =															
P (Prob) =															

TABLE NO. 15 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING						DAYS TO 50% DRY HUSK					
		ALMO	BAJA	KANG	BARA	ZN 1 MEAN	ALMO	BAJA	KANG	BARA	ZN 1 MEAN		
1	J C - 3272	54.3	59.7	51.7	57.3	55.7	98.5	94.7	92.7	101.5	96.8		
2	L H - 201	53.0	58.0	52.3	59.5	55.7	98.5	96.7	90.3	106.8	98.1		
3	E H - 1389	54.3	62.0	53.7	58.8	57.2	100.8	98.3	92.7	102.3	98.5		
4	E H - 1485	54.3	59.7	54.7	58.0	56.6	99.0	96.7	94.3	102.5	98.1		
5	F H - 3273	52.3	58.7	51.7	58.8	55.3	96.5	96.3	92.7	103.5	97.3		
6	F H - 3289	52.8	58.7	52.7	58.8	55.7	100.5	97.7	90.7	104.3	98.3		
7	A H - 31405	58.0	60.0	57.0	60.3	58.8	109.0	100.7	94.3	105.8	102.4		
8	X - 2484	54.3	64.0	53.0	59.0	57.6	111.8	106.0	94.7	106.0	104.6		
9	P M Z - 146	54.8	60.3	52.0	58.3	56.3	105.5	96.7	94.0	103.0	99.8		
CHECKS:													
10	PARKASH	54.8	61.7	52.3	59.3	57.0	101.3	96.0	93.7	104.8	98.9		
11	X - 3342	54.0	60.0	52.3	59.0	56.3	97.3	95.7	93.3	104.5	97.7		
12	KIRAN	54.0	62.3	53.3	58.5	57.0	99.0	98.3	93.7	102.0	98.3		
MEAN LOCATION													
	C.D. AT 5% =	1.0	1.3	1.0	2.2	1.4	2.0	1.5	0.7	4.9	2.3		
	C.V. % =	1.3	1.3	1.1	2.6	-	1.4	0.9	0.4	3.3	-		
	F (Prob) =	.000	.000	.000	.458	-	.000	.000	.000	.458	-		

SI NO	PEDIGREE	MOISTURE % AT HARVEST						PLANT ASPECT *					
		ALMO	BAJA	KANG	BARA	ZN 1 MEAN	ALMO	BAJA	BARA	ZN 1 MEAN			
1	J C - 3272	30.2	19.5	19.9	29.8	24.8	2.7	2.8	1.3	2.2	3.0		
2	L H - 201	31.7	17.0	21.1	30.3	25.0	2.5	2.7	1.5	2.2	3.0		
3	E H - 1389	34.7	18.9	21.2	29.8	26.1	2.5	2.3	2.0	2.3	3.0		
4	E H - 1485	33.7	19.2	19.5	29.8	25.5	2.5	2.8	1.3	2.2	3.0		
5	F H - 3273	31.0	18.9	19.8	30.0	24.9	2.5	1.7	1.5	1.9	3.0		
6	F H - 3289	33.8	18.5	21.4	30.5	26.0	2.3	2.0	1.5	2.1	3.0		
7	A H - 31405	35.5	20.0	20.5	29.0	26.3	2.5	2.2	1.5	2.1	3.0		
8	X - 2484	39.7	20.4	20.2	30.8	27.8	2.5	1.8	1.3	1.9	3.0		
9	P M Z - 146	36.5	21.8	20.9	29.5	27.2	2.5	2.0	1.0	1.8	3.0		
CHECKS:													
10	PARKASH	32.3	18.1	20.4	29.8	25.1	2.6	2.3	1.5	2.1	3.0		
11	X - 3342	34.0	20.3	19.6	30.3	26.0	2.5	2.0	1.8	2.1	3.0		
12	KIRAN	32.6	19.0	19.5	30.3	25.3	2.6	2.5	1.0	2.0	3.0		
MEAN LOCATION													
	C.D. AT 5% =	2.4	1.3	2.2	2.2	2.0	0.1	0.5	1.1	0.5	-		
	C.V. % =	4.9	3.9	6.4	5.2	-	3.7	11.8	52.1	-	-		
	F (Prob) =	.000	.000	.588	.955	-	.002	.000	.806	-	-		

TABLE NO. 15 (CONT.)

Sl No	PEDIGREE	EAR ASPECT *			HUSK COVER *			UNIFORMITY *				
		ALMO	BAJA	BARA	ALMO	BAJA	BARA	ALMO	BAJA	BARA		
1	J C - 3272	2.8	5.5	1.3	1.9	5.3	1.0	3.0	6.7	3.0	5.5	1.3
2	L E H - 1389	2.2	3.3	1.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.8
3	H H - 1485	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.2
4	H H - 3273	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.0
5	F H - 3289	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.2
6	F H - 31405	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.0
7	A H - 2484	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.2
8	X M Z - 146	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.2
9	P M Z - 146	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.2
10	CHECKS:											
11	PARKASH	2.7	2.5	1.5	2.0	5.0	1.3	2.7	8.7	2.0	5.0	1.8
12	X - 3342	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9
	KIRAN	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9
	MEAN LOCATION	2.0	1.5	1.8	0.3	0.4	1.6	0.6	3.4	0.7	3.5	1.4
	C.D. AT 5% =	3.3	9.9	39.7	10.7	9.6	35.4	9.6	35.4	10.7	35.4	1.4
	C.V. %	0.00	0.23	0.591	0.243	0.02	0.853	0.02	0.853	0.243	0.853	1.4
	F (Prob)											
Sl No	PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 1				
		ALMO	BAJA	BARA	ALMO	BAJA	BARA	ALMO	BAJA	BARA		
1	J C - 3272	234	211	190	125	128	113	95	51	97		
2	L E H - 1389	203	193	195	122	101	105	83	56	86		
3	H H - 1485	225	202	188	132	120	102	87	43	88		
4	H H - 3273	192	201	185	133	106	107	90	55	89		
5	F H - 3289	180	187	197	133	96	93	82	57	82		
6	F H - 31405	180	166	185	128	89	82	77	54	77		
7	A H - 2484	224	211	185	128	115	107	88	54	91		
8	X M Z - 146	224	199	185	129	112	100	88	46	87		
9	P M Z - 146	204	191	188	126	105	95	85	52	84		
10	CHECKS:											
11	PARKASH	223	195	187	145	112	102	75	55	86		
12	X - 3342	212	190	183	137	104	98	92	61	89		
	KIRAN	226	196	187	137	113	98	93	60	89		
	MEAN LOCATION	213	195	188	131	108	100	86	54	87		
	C.D. AT 5% =	9.8	17.1	19.5	31.5	9.4	21.6	9.8	13.2	13.5		
	C.V. %	3.2	5.2	6.1	16.7	6.0	13.4	6.0	17.2	13.5		
	F (Prob)	0.00	0.02	0.920	0.974	0.00	0.342	0.033	0.284	0.284		

TABLE NO. 15 (CONT.)

SL NO	PEDIGREE	EAR No./PLANT		H. turcicum *		H. maydis *		ZN 1 MEAN	PHYSO-DERMA* ALMO	BLSB * ALMO
		ALMO	BARA	ALMO	BAJA	ALMO	BAJA			
1	J C - 3272	1.02	0.96	3.0	3.0	1.5	2.2	1.8	1.0	1.0
2	L E - 1389	1.04	0.95	2.2	2.5	1.6	2.0	1.8	1.0	1.1
3	H H - 1485	1.08	0.98	2.7	2.7	1.6	2.2	1.9	1.0	1.1
4	F H H - 3273	1.04	0.96	1.7	1.5	1.3	1.2	1.6	1.0	1.1
5	F H H - 3289	1.00	0.94	1.3	1.5	1.3	1.8	1.6	1.0	1.1
6	F A H - 31405	0.98	0.97	1.4	1.3	1.6	1.5	1.5	1.0	1.1
7	X P - 2484	0.97	0.97	1.1	1.5	1.2	1.7	1.4	1.0	1.1
8	M Z - 146	1.00	0.98	1.1	1.5	1.1	1.7	1.4	1.0	1.1
9	CHECKS:									
10	PARKASH	1.03	0.97	2.8	2.8	1.7	2.0	1.9	1.0	1.3
11	X - 3342	1.01	0.93	1.8	2.8	1.8	1.0	1.8	1.0	1.5
12	KIRAN	1.02	0.94	1.8	2.2	1.5	1.9	1.7	1.0	1.2
	MEAN LOCATION			0.3	0.5	0.4	0.3	0.3	0.1	0.4
	C.D. AT 5% =			12.4	14.3		10.4		4.3	
	C.V. %			0.00	0.00		0.00		4.67	
	F (Prob)									24.172

STAND AT HARVEST

SL NO	PEDIGREE	ALMO		BAJA		KANG		BARA		ZN 1 MEAN
		ALMO	BARA	ALMO	BAJA	ALMO	BAJA	ALMO	BARA	
1	J C - 3272	33	56	70	50	52	54	50	52	52
2	L E - 1389	34	56	75	49	52	54	49	52	52
3	H H - 1485	35	53	66	53	52	52	49	52	56
4	F H H - 3273	34	58	71	49	56	56	55	53	52
5	F H H - 3289	34	57	76	55	53	53	50	52	53
6	F A H - 31405	33	55	68	50	52	53	52	53	53
7	X P - 2484	33	55	71	52	52	53	52	53	53
8	M Z - 146	34	56	74	50	53	53	50	53	53
9	CHECKS:									
10	PARKASH	34	59	62	52	52	55	62	52	55
11	X - 3342	34	65	72	47	55	55	47	55	55
12	KIRAN	32	53	70	49	51	51	49	51	51
	MEAN LOCATION	34	57	70	51	51	51	51	51	51
	C.D. AT 5% =	2.2	6.7	5.3	4.5	4.7	4.7	4.5	4.7	4.7
	C.V. %	4.5	7.0	4.5	6.2	4.7	4.7	4.5	4.7	4.7
	F (Prob)	0.88	0.84	0.01	0.29	0.01	0.01	0.01	0.01	0.01

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

TABLE NO. 16

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT LUDHIANA, KARNAL, PANTNAGAR, KANPUR, MONSANTO IN AET 1st YEAR, TRIAL NO. TR6722 DURING KHARIF (2005).

GRAIN YIELD (kg/ha) AT 15% MOISTURE												
Sl No	PEDIGREE	LUDH	R	KARN	R	PANT	R	KANP	R	MONS	R	ZN 2 MEAN
1	J H - 31013	4244	1	5642	3	6120	1	7227	2	2929	5	5233
2	J H - 3982	3746	3	6010	2	3078	3	6067	7	2968	4	4374
3	F H - 3273	2582	7	4812	5	2492	4	6617	5	3223	2	3945
4	M C H - 26	3293	5	6493	1	2299	5	7338	1	4360	1	4757
CHECKS:												
5	PARKASH	3755	2	3954	7	2131	6	6585	6	3084	3	3902
6	X - 3342	3456	4	5359	4	3443	2	7122	3	2660	6	4408
7	KIRAN	2763	6	4553	6	1934	7	6729	4	2427	7	3681
MEAN YIELD =												
MEAN STAND =												
C.D. AT 5% =												
C.V. % =												
F. (Prob) =												
PLOT SIZE =												
AGRONOMY DATA:												
		3-07		28-06		8-07		1-07		2-07		
		5-10		4-10		10-10		5-10				
				4		1						
		88		150		120		80				
		40		60		60		40				
				40		40		40				
LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 30%) : DELH 37.8%												
GRAIN YIELD % SUPERIORITY OVER THE PARKASH												
Sl No	PEDIGREE	LUDH	KARN	PANT	KANP	MONS	ZN 2 MEAN					
1	J H - 31013	13.03	42.67	187.17	9.74		34.10					
2	J H - 3982		51.98	44.42			12.09					
3	F H - 3273		21.69	16.95	0.48	4.51	1.11					
4	M C H - 26		64.19	7.86	11.43	41.40	21.91					
CHECKS:												
5	PARKASH			61.55	8.15		12.97					
6	X - 3342		35.51		2.18							
7	KIRAN		15.14									

TABLE NO. 16 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE X - 3342												
Sl No	PEDIGREE	LUDH	KARN	PANT	KANP	MONS	ZN 2 MEAN					
1	J H - 31013	22.81	5.28	77.76	1.47	10.11	18.70					
2	J H - 3982	8.38	12.15	-	-	11.60	-					
3	F H - 3273	-	-	-	-	21.16	-					
4	M C H - 26	-	21.16	-	3.03	63.92	7.91					
CHECKS:												
5	PARKASH	8.65	-	-	-	15.93	-					
6	X - 3342	-	-	-	-	-	-					
7	KIRAN	-	-	-	-	-	-					
GRAIN YIELD % SUPERIORITY OVER THE KIRAN												
Sl No	PEDIGREE	LUDH	KARN	PANT	KANP	MONS	ZN 2 MEAN					
1	J H - 31013	53.61	23.92	216.45	7.40	20.66	42.14					
2	J H - 3982	35.56	32.00	59.14	-	22.29	18.81					
3	F H - 3273	-	5.69	28.87	-	32.77	7.17					
4	M C H - 26	19.20	42.60	18.86	9.06	79.62	29.21					
CHECKS:												
5	PARKASH	35.90	-	10.20	-	27.03	5.99					
6	X - 3342	25.08	17.70	78.02	5.85	9.58	19.74					
7	KIRAN	-	-	-	-	-	-					
DAYS TO 50% POLLEN SHED												
Sl No	PEDIGREE	LUDH	KARN	KANP	MONS	ZN 2 MEAN						
1	J H - 31013	51.5	49.0	55.0	52.3	51.9	53.0	51.0	54.3	58.3		
2	J H - 3982	50.0	46.7	54.7	52.5	51.0	51.3	48.0	50.7	58.3		
3	F H - 3273	49.8	45.7	55.0	48.3	49.7	52.3	47.7	52.3	58.3		
4	M C H - 26	53.0	51.0	55.0	55.5	53.6	53.5	53.0	55.3	59.0		
CHECKS:												
5	PARKASH	50.3	46.3	54.0	52.0	50.6	50.3	48.3	55.0	58.3		
6	X - 3342	50.8	47.3	55.0	52.8	51.5	52.3	49.3	50.3	58.7		
7	KIRAN	50.3	47.7	56.0	52.0	51.5	52.0	49.7	52.3	59.7		
MEAN LOCATION												
C.D. AT 5% =		50.8	47.7	55.0	52.2	51.4	52.1	49.6	52.9	58.7		
C.V. %		1.2	0.8	0.4	0.8	0.8	1.2	1.0	3.7	0.9		
F (Prob)		1.5	1.0	0.4	1.1	-	1.6	1.1	4.7	1.3		
		.000	.000	.000	.000	-	.001	.000	.053	.061		
DAYS TO 50% SILKING												
Sl No	PEDIGREE	LUDH	KARN	KANP	MONS	ZN 2 MEAN	LUDH	KARN	PANT	KANP	MONS	ZN 2 MEAN
1	J H - 31013	51.5	49.0	55.0	52.3	51.9	53.0	51.0	54.3	58.3	53.8	54.1
2	J H - 3982	50.0	46.7	54.7	52.5	51.0	51.3	48.0	50.7	58.3	53.8	52.4
3	F H - 3273	49.8	45.7	55.0	48.3	49.7	52.3	47.7	52.3	58.3	49.8	52.1
4	M C H - 26	53.0	51.0	55.0	55.5	53.6	53.5	53.0	55.3	59.0	56.5	55.5
CHECKS:												
5	PARKASH	50.3	46.3	54.0	52.0	50.6	50.3	48.3	55.0	58.3	53.3	53.0
6	X - 3342	50.8	47.3	55.0	52.8	51.5	52.3	49.3	50.3	58.7	53.8	52.9
7	KIRAN	50.3	47.7	56.0	52.0	51.5	52.0	49.7	52.3	59.7	53.5	53.4
MEAN LOCATION												
C.D. AT 5% =		50.8	47.7	55.0	52.2	51.4	52.1	49.6	52.9	58.7	53.5	53.3
C.V. %		1.2	0.8	0.4	0.8	0.8	1.2	1.0	3.7	0.9	1.0	1.6
F (Prob)		1.5	1.0	0.4	1.1	-	1.6	1.1	4.7	1.3	1.0	-
		.000	.000	.000	.000	-	.001	.000	.053	.061	.000	-

TABLE NO. 16 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				PLANT ASPECT *			
		LUDH	KARN	KANP	MONS	ZN 2 MEAN	LUDH	PANT	MONS	ZN 2 MEAN	KANP	MONS	ZN 2 MEAN
1	J H - 31013	81.5	87.7	84.0	101.5	88.7	22.5	31.1	20.4	24.6	2.7	2.8	2.7
2	J H - 3982	81.5	87.7	84.0	101.5	88.7	22.9	32.5	20.0	25.1	3.5	2.3	2.9
3	F H - 3273	78.0	84.7	83.7	100.0	86.6	22.1	28.5	17.9	22.8	3.0	2.8	2.9
4	M C H - 26	83.8	87.7	84.7	104.3	90.1	22.8	33.0	19.6	25.1	2.5	2.0	2.3
CHECKS:													
5	PARKASH	78.8	86.0	85.0	101.3	87.8	22.1	30.1	18.0	23.4	3.2	3.0	3.1
6	X - 3342	79.3	86.3	84.7	101.0	87.8	22.6	31.8	19.3	24.6	2.7	3.0	2.8
7	KIRAN	79.3	86.7	86.0	100.5	88.1	22.3	31.6	18.1	24.0	3.0	3.5	3.3
MEAN LOCATION													
	C.D. AT 5% =	1.4	1.0	1.3	0.9	1.1	0.3	1.6	2.0	1.3	0.5	0.6	0.6
	C.V. % =	1.1	0.7	0.8	0.6	-	0.9	3.4	6.9	-	10.2	15.2	-
	F (Prob)	.000	.000	.025	.000	-	.000	.000	.073	-	.020	.002	-

SI NO	PEDIGREE	EAR ASPECT *				HUSK COVER				UNIFORMITY *			
		KANP	MONS	ZN 2 MEAN	KANP	MONS	ZN 2 MEAN	KANP	MONS	ZN 2 MEAN	KANP	MONS	ZN 2 MEAN
1	J H - 31013	2.8	2.5	2.7	3.0	3.0	3.0	3.0	2.7	2.5	2.6	2.6	
2	J H - 3982	3.3	3.0	3.2	3.3	3.0	3.2	3.2	3.5	2.5	3.0	3.0	
3	F H - 3273	3.2	2.5	2.8	3.2	3.0	3.1	3.0	3.0	2.8	2.9	2.9	
4	M C H - 26	2.5	2.0	2.3	2.7	3.0	2.8	2.8	2.8	2.0	2.4	2.4	
CHECKS:													
5	PARKASH	3.2	2.5	2.8	3.2	3.0	3.1	3.1	2.8	2.5	2.7	2.7	
6	X - 3342	2.5	3.5	3.0	2.5	3.3	2.9	2.9	2.7	3.0	2.8	2.8	
7	KIRAN	3.2	3.8	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
MEAN LOCATION													
	C.D. AT 5% =	0.7	0.7	0.7	0.7	0.5	0.6	0.6	0.6	0.6	0.6	0.6	
	C.V. % =	13.7	16.9	-	13.0	11.9	-	11.0	15.8	-	-	-	
	F (Prob)	.119	.001	-	.190	.943	-	.094	.039	-	-	-	

TABLE NO. 16 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 2 MEAN	ZN 2 MONS	ZN 2 MEAN	
		LUDH	KARN	PANT	KANP	LUDH	KARN	PANT	KANP				
1	J H - 31013	164	182	204	169	201	184	79	100	99	61	99	88
2	J H - 3982	165	185	183	166	196	179	74	103	74	59	85	79
3	F H - 3273	155	160	179	161	181	167	70	77	75	56	84	72
4	M C H - 26	140	177	194	161	208	176	69	103	86	60	84	80
CHECKS:													
5	PARKASH	170	175	200	161	198	181	80	100	83	60	105	86
6	X - 3342	170	203	212	172	199	191	86	105	94	65	88	88
7	KIRAN	165	185	195	161	218	185	80	100	93	56	98	85
MEAN LOCATION													
	C.D. AT 5% =	17.5	9.3	22.4	3.6	18.9	14.3	19.4	10.1	17.0	1.4	13.5	12.3
	C.V. % =	7.3	2.9	7.7	1.2	6.3	-	17.0	5.8	13.3	1.3	10.0	-
	F (Prob)	.024	.000	.085	.000	.031	-	.509	.001	.037	.000	.016	-

Sl NO	PEDIGREE	EAR NO./PLANT H. tu.c. *				STAND AT HARVEST				ZN 2 MEAN	
		LUDH	MONS	MONS	MONS	LUDH	KARN	PANT	KANP		
1	J H - 31013	0.94	0.99	2.3	2.3	77	50	54	77	38	59
2	J H - 3982	0.98	1.00	2.3	2.3	75	38	46	71	37	53
3	F H - 3273	0.89	1.00	2.3	2.3	76	45	34	73	39	53
4	M C H - 26	1.02	1.01	1.5	1.5	78	36	39	77	40	54
CHECKS:											
5	PARKASH	0.91	1.02	2.3	2.3	69	41	42	75	39	53
6	X - 3342	0.94	0.99	3.3	3.3	75	42	50	77	34	56
7	KIRAN	0.93	1.00	3.3	3.3	71	41	42	74	36	53
MEAN LOCATION											
	C.D. AT 5% =	-	-	2.4	2.4	74	42	44	75	38	55
	C.V. % =	-	-	0.7	0.7	7.0	3.3	11.8	2.4	3.9	5.7
	F (Prob)	-	-	20.3	20.3	6.4	4.4	18.1	1.8	7.0	-
		-	-	.001	.001	.127	.000	.031	.001	.062	-

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

TABLE NO. 17

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, DHOLI, KUSHMAHOT, RANCHI, JASHIPUR, AMBIKAPUR IN AET 1st YEAR, TRIAL NO. TR67Z3 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3			
		BELI	R	VARA	R	DHOL	R	KUSH	R	RANC	R	JASH	R	AMBI	R	MEAN	R
1	J H - 31013	4165	3	4277	1	5277	1	3145	12	3617	1	4574	1	6785	1	4549	1
2	J C - 3272	2890	11	2330	10	3422	8	3378	4	2711	8	3722	10	4640	11	3299	11
3	L - 201	3061	9	2713	9	2491	12	3186	7	2323	12	4171	4	4831	9	3254	12
4	E H - 1389	3741	4	3511	5	3915	4	3233	5	2660	10	3522	11	5973	4	3794	5
5	B V M - 4 - 1	3480	5	2219	12	3241	9	3492	2	2682	9	3832	7	4607	12	3365	9
6	B V M - 8	2975	10	2923	8	3138	11	3381	3	3081	4	3806	8	5540	8	3549	8
7	F H - 3273	3469	6	3828	3	3777	6	3146	11	2920	6	4399	2	6331	2	3981	4
8	F H - 3289	3259	8	3474	6	3214	10	3162	10	2626	11	4167	5	6185	3	3727	6
9	P M Z - 146	2861	12	3391	7	3818	5	3170	8	3164	3	3062	12	5695	7	3594	7
CHECKS:																	
10	PARKASH	5011	2	3650	4	4766	2	3532	1	3416	2	4135	6	5938	5	4350	2
11	X - 3342	5154	1	4027	2	4433	3	3199	6	3051	5	4274	3	5920	6	4294	3
12	KIRAN	3424	7	2305	11	3432	7	3163	9	2832	7	3723	9	4672	10	3364	10
	MEAN YIELD=	3624		3221		3744		3266		2924		3949		5593		3760	
	MEAN STAND	73		72		67		68		31		60		64		62	
	C.D. AT 5% =	425		514		745		385		269		135		820		470	
	C.V. % =	8.16		11.11		13.86		8.22		5.45		2.38		10.21		-	
	F (Prob)	.000		.000		.000		.946		.000		.000		.000		-	
	PLOT SIZE=	12.00		15.00		15.00		15.00		7.00		12.00		12.00		-	
AGRONOMY DATA:																	
	SOWING DATE (2005)	30-06		30-06		8-07		13-07		2-08		6-07		4-07		-	
	HARVEST DATE (2005)	15-10		3-10		10-10		23-10		14-11		26-10		-		-	
	IRRIGATION NOS	2		1		-		2		1		-		-		-	
	FERTILIZER APPLIED	N 120		100		100		120		80		120		80		-	
		P 60		60		60		60		60		60		50		-	
		K 60		40		40		40		40		60		30		-	

TABLE NO. 17 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE KIRAN										ZN 3 MEAN
		GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	RANC	JASH	AMBI	
1	J H - 31013	21.63	85.52	53.77	-	27.73	22.86	45.21	27.73	22.86	45.21	35.19
2	J C - 3272	-	1.08	-	6.81	-	-	-	-	-	-	-
3	L - 201	-	17.69	-	0.73	-	12.05	3.40	-	12.05	3.40	12.76
4	E H - 1389	9.24	52.32	14.09	2.21	-	-	27.84	-	-	27.84	0.01
5	B V M - 4-1	1.64	-	-	10.41	-	2.93	-	-	2.93	-	5.49
6	B V M - 8	-	26.81	-	6.89	8.79	18.56	18.56	18.16	18.56	32.38	18.34
7	F H - 3273	1.29	66.08	10.05	-	3.10	11.93	21.89	11.93	21.89	21.89	10.77
8	F H - 3289	-	50.71	-	-	-	-	-	-	-	-	-
9	P M Z - 146	-	47.12	11.24	0.22	11.71	-	-	-	-	-	6.83
CHECKS:												
10	PARKASH	46.34	58.33	38.87	11.67	20.62	11.07	27.10	20.62	11.07	27.10	29.28
11	X - 3342	50.50	74.69	29.16	1.15	7.75	14.80	26.71	7.75	14.80	26.71	27.63
12	KIRAN	-	-	-	-	-	-	-	-	-	-	-

DAYS TO 50% POLLEN SHED

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED										ZN 3 MEAN
		GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	RANC	JASH	AMBI	
1	J H - 31013	50.5	47.3	49.5	48.5	47.0	44.8	44.3	47.0	44.8	44.3	47.4
2	J C - 3272	46.5	45.3	47.0	46.0	46.0	41.3	43.8	46.0	41.3	43.8	45.1
3	L - 201	47.5	44.5	48.3	48.0	45.0	39.8	42.0	45.0	39.8	42.0	45.0
4	E H - 1389	49.5	47.3	47.8	47.5	44.3	41.8	43.3	44.3	41.8	43.3	45.9
5	B V M - 4-1	49.3	43.8	48.5	46.3	46.3	40.8	42.3	46.3	40.8	42.3	45.3
6	B V M - 8	48.5	47.5	48.5	47.5	45.3	42.0	42.8	45.3	42.0	42.8	46.0
7	F H - 3273	49.3	45.8	48.8	46.3	45.3	40.5	41.5	45.3	40.5	41.5	45.3
8	F H - 3289	47.8	46.0	47.8	45.8	45.3	40.5	43.8	45.3	40.5	43.8	45.3
9	P M Z - 146	49.5	47.8	48.8	48.8	47.0	40.8	43.8	47.0	40.8	43.8	46.6
CHECKS:												
10	PARKASH	50.8	47.5	48.3	47.8	46.0	40.3	44.8	46.0	40.3	44.8	46.5
11	X - 3342	49.5	46.0	48.0	48.3	47.0	41.8	44.5	47.0	41.8	44.5	46.4
12	KIRAN	49.5	45.0	47.3	48.0	46.0	42.5	44.0	46.0	42.5	44.0	46.0
MEAN LOCATION												
C.D. AT 5%		0.9	2.3	48.2	47.4	45.9	41.4	43.4	45.9	41.4	43.4	45.9
C.V. %		1.2	3.4	2.3	1.4	1.5	2.2	0.7	1.5	2.2	0.7	1.6
F (Prob)		.000	.010	.691	.000	.025	.007	.000	.025	.007	.000	.000

TABLE NO. 17 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING										ZIN 3 MEAN		
		GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	JASH	AMBI	ZIN 3 MEAN			
1	J H - 31013	53.3	51.5	53.3	51.3	50.0	47.8	48.5	50.8	49.0	48.0	49.0	48.5	50.8
2	J J C - 3272	49.0	51.3	51.0	49.8	49.0	45.0	48.0	49.0	48.0	45.0	48.0	48.0	49.0
3	L - 201	49.8	49.5	52.3	51.0	48.0	43.3	45.5	48.5	48.0	43.3	45.5	48.5	48.5
4	E H - 1389	51.8	51.3	52.3	50.0	48.0	45.0	46.8	49.3	48.0	45.0	46.8	49.3	49.3
5	B V M - 4-1	51.5	49.3	52.8	49.5	50.0	44.8	45.8	49.1	48.3	44.8	45.8	49.1	49.5
6	B V M - 8	51.0	53.0	52.5	49.8	48.3	45.5	46.3	49.5	48.0	44.5	46.3	49.5	49.5
7	F H - 3273	51.5	49.8	52.8	49.5	48.0	44.5	46.3	49.5	48.0	44.5	46.3	49.5	49.5
8	F H - 3289	50.0	50.0	52.3	48.3	49.0	44.3	47.3	48.7	49.0	44.3	47.3	48.7	48.8
9	P M Z - 146	52.3	51.3	53.0	51.0	50.0	44.3	47.5	49.9	50.0	44.3	47.5	49.9	49.9
CHECKS:														
10	PARKASH	53.0	50.5	52.0	48.8	49.0	43.5	48.0	49.3	49.0	43.5	48.0	49.3	49.3
11	X - 3342	51.8	49.8	52.5	49.8	50.0	45.3	48.3	49.6	50.0	45.3	48.3	49.6	49.6
12	KIRAN	52.3	50.3	51.3	50.8	49.0	45.8	47.3	49.5	49.0	45.8	47.3	49.5	49.5
MEAN LOCATION														
C.D. AT 5%		1.1	2.6	2.2	1.7	1.7	2.2	1.0	1.8	1.7	2.2	1.0	1.8	1.8
C.V. %		1.5	3.6	2.9	2.4	2.0	3.4	1.5	1.5	2.0	3.4	1.5	1.5	1.5
F (Prob)		.000	.212	.672	.030	.131	.029	.000	.000	.131	.029	.000	.000	.000

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK										ZIN 3 MEAN		
		GORA BELI	VARA	DHOL	RANC	JASH	AMBI	JASH	AMBI	ZIN 3 MEAN				
1	J H - 31013	82.8	82.3	81.0	87.0	84.0	87.3	84.0	84.0	87.0	87.3	84.0	84.0	84.0
2	J J C - 3272	79.0	81.0	77.8	88.0	78.5	86.5	81.8	81.8	88.0	86.5	81.8	81.8	81.8
3	L - 201	80.0	79.7	75.5	87.0	79.0	85.0	82.8	82.8	87.0	85.0	82.8	82.8	82.8
4	E H - 1389	81.0	81.0	79.5	87.0	82.0	86.5	81.9	81.9	87.0	86.5	81.9	81.9	81.9
5	B V M - 4-1	79.3	80.8	78.8	89.0	78.3	85.5	83.6	83.6	89.0	85.5	83.6	83.6	83.6
6	B V M - 8	82.3	83.0	77.8	91.0	82.0	85.8	83.6	83.6	91.0	85.8	83.6	83.6	83.6
7	F H - 3273	82.5	82.3	79.0	90.7	83.0	84.3	83.4	83.4	90.7	84.3	83.4	83.4	83.4
8	F H - 3289	84.3	80.0	79.3	89.0	81.0	87.0	83.4	83.4	89.0	87.0	83.4	83.4	83.4
9	P M Z - 146	86.0	83.5	80.5	90.0	82.8	87.3	85.0	85.0	90.0	87.3	85.0	85.0	85.0
CHECKS:														
10	PARKASH	84.3	82.0	81.5	89.0	82.0	88.0	84.5	84.5	89.0	88.0	84.5	84.5	84.5
11	X - 3342	82.0	79.3	77.5	93.3	80.8	87.3	83.3	83.3	93.3	87.3	83.3	83.3	83.3
12	KIRAN	80.8	81.3	79.5	90.0	81.0	87.0	83.2	83.2	90.0	87.0	83.2	83.2	83.2
MEAN LOCATION														
C.D. AT 5%		1.3	3.1	2.9	1.7	2.7	1.5	2.2	2.2	1.7	1.5	2.2	2.2	2.2
C.V. %		1.1	2.7	2.6	1.1	2.4	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2
F (Prob)		.000	.182	.019	.000	.002	.000	.000	.000	.000	.002	.000	.000	.000

TABLE NO. 17 (CONT.)

SL NO	PEDIGREE	MOISTURE & AT HARVEST				PLANT ASPECT *				ZN 3 MEAN				
		GORA BELI	VARA	KUSH	RANC	JASH	RANC	GORA BELI	VARA		DHOL	KUSH	JASH	AMBI
1	J H - 31013	20.4	31.5	26.8	21.0	16.0	23.1	2.3	1.5	3.0	3.5	3.0	2.6	2.1
2	J C - 3272	20.8	27.8	23.6	21.7	16.8	22.5	3.1	2.5	3.4	3.0	3.0	2.5	2.8
3	L H - 201	19.5	28.4	25.9	21.4	15.9	22.5	2.6	2.0	2.6	3.0	3.0	2.3	2.7
4	B V M - 4-1	20.0	28.8	27.2	21.6	15.8	22.0	2.9	2.3	3.0	2.9	3.0	2.3	2.7
5	B V M - 8	20.1	27.0	24.7	21.6	16.8	23.4	2.9	2.0	3.0	2.9	3.0	2.7	2.8
6	B V M - 3273	22.8	31.6	25.9	22.3	16.8	23.1	2.8	1.5	2.4	2.6	2.0	2.8	2.3
7	F H - 3289	20.4	27.9	26.8	21.5	16.5	22.9	2.3	1.5	2.4	2.6	2.0	2.9	2.3
8	F H - 3289	20.4	28.4	27.4	21.6	16.8	22.9	2.3	1.5	2.4	2.6	2.0	2.9	2.3
9	P M Z - 146	20.3	31.5	29.3	21.9	17.3	24.1	2.4	1.5	2.9	3.0	4.0	2.8	2.8
CHECKS:														
10	PARKASH	21.9	27.9	25.9	21.4	16.2	22.7	2.1	2.0	2.6	2.5	2.3	2.5	2.3
11	X - 3342	22.0	28.5	25.9	21.4	16.4	22.8	2.1	2.0	2.6	2.6	2.8	2.3	2.8
12	KIRAN LOCATION	20.8	29.0	25.8	21.8	16.2	22.7	2.6	2.5	3.3	2.6	3.8	2.3	2.6
MEAN LOCATION														
	C.D. AT 5% =	1.0	0.6	4.9	0.7	0.5	1.5	0.4	0.1	0.7	0.4	0.4	0.3	0.4
	C.V. % =	3.2	1.4	12.8	1.9	2.0	-	10.3	4.1	18.3	10.6	9.2	9.0	-
	F (Prob) =	.000	.000	.724	.069	.000	-	.000	.000	.009	.094	.000	.004	-

SL NO	PEDIGREE	BAR ASPECT *				HUSK COVER *				ZN 3 MEAN				
		GORA BELI	VARA	DHOL	KUSH	JASH	AMBI	GORA BELI	VARA		JASH	AMBI	ZN 3 MEAN	
1	J H - 31013	3.0	2.0	1.9	2.0	2.0	2.6	2.2	2.6	2.5	2.7	2.5	2.5	
2	J C - 3272	2.6	3.0	2.6	2.5	3.0	2.3	2.7	2.8	2.8	2.5	2.4	2.5	
3	L H - 201	2.3	3.0	3.6	2.1	2.0	2.4	2.6	2.6	2.8	2.3	2.7	2.4	
4	B V M - 4-1	2.9	2.5	3.4	2.5	3.0	2.7	2.8	2.9	2.5	2.8	2.3	2.6	
5	B V M - 8	2.6	2.0	2.9	2.4	3.3	2.7	2.6	2.4	2.5	2.0	2.8	2.3	
6	B V M - 3273	2.4	2.0	3.0	2.1	2.8	2.9	2.6	2.9	2.3	2.0	2.8	2.5	
7	F H - 3273	2.6	2.0	3.0	2.1	2.8	2.9	2.6	2.9	2.3	2.0	2.8	2.5	
8	F H - 3289	3.1	1.8	3.0	2.1	2.5	2.9	2.6	2.5	2.3	2.0	2.8	2.3	
9	P M Z - 146	2.6	1.8	2.8	2.1	4.5	2.7	2.8	2.3	1.3	2.3	2.6	2.1	
CHECKS:														
10	PARKASH	2.1	2.3	1.8	2.1	2.5	2.8	2.2	2.3	2.3	5.0	2.6	2.4	
11	X - 3342	1.9	1.8	1.9	2.1	2.0	2.4	2.1	2.1	1.5	2.0	2.3	2.4	
12	KIRAN LOCATION	3.0	2.0	2.6	2.1	3.0	2.6	2.5	2.6	2.2	2.5	2.5	2.4	
MEAN LOCATION														
	C.D. AT 5% =	0.5	0.1	0.7	0.4	0.5	0.3	0.4	0.4	0.2	0.6	0.4	0.4	
	C.V. % =	14.7	4.6	17.2	13.0	12.1	7.8	-	10.0	5.7	19.5	11.4	-	
	F (Prob) =	.001	.000	.000	.099	.000	.000	-	.001	.000	.253	.220	-	

TABLE NO. 17 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *										PLANT HEIGHT (cm)																				
		GORA		BELI		VARA		DHOL		JASH		AMBI		ZN 3 MEAN		GORA		BELI		VARA		DHOL		KUSH		RANC		JASH		AMBI		ZN 3 MEAN
1	J H - 31013	2.0	1.8	1.5	2.0	2.5	1.9	160	233	172	165	136	146	236	178	169	225	194	164	136	140	250	183	143	208	163	142	232	167	143	237	177
2	J J C - 3272	3.4	3.3	3.8	3.3	2.4	3.3	143	208	186	172	135	143	232	167	152	230	171	159	131	150	249	177	152	230	171	161	251	182	151	161	149
3	L E H - 201	3.1	2.8	3.0	3.3	2.9	2.8	152	245	171	162	124	150	249	177	159	230	171	162	112	137	218	161	151	213	157	142	218	161	149	149	
4	L E H - 1389	3.1	2.5	3.0	3.3	2.8	2.8	159	245	171	162	124	150	249	177	159	230	171	162	112	137	218	161	151	213	157	142	218	161	149	149	
5	B V M - 4-1	3.1	2.8	3.0	3.3	2.8	2.8	151	213	157	142	112	137	218	161	159	230	171	162	112	137	218	161	151	213	157	142	218	161	149	149	
6	B V M - 8	3.1	2.8	3.0	3.3	2.8	2.8	108	190	136	136	121	132	218	161	151	213	157	142	112	137	218	161	151	213	157	142	218	161	149	149	
7	F H - 3273	2.3	1.5	2.0	2.3	2.8	2.2	108	190	136	136	121	132	218	161	151	213	157	142	112	137	218	161	151	213	157	142	218	161	149	149	
8	F H - 3285	1.8	1.3	2.5	2.0	2.8	2.0	148	228	157	144	123	137	238	168	148	228	157	144	123	137	238	168	148	228	157	144	238	168	148	148	
9	P M Z - 146	2.4	2.0	3.0	2.5	2.6	2.5	148	228	157	144	123	137	238	168	148	228	157	144	123	137	238	168	148	228	157	144	238	168	148	148	
CHECKS:																																
10	PARKASH	2.3	2.3	2.1	3.3	2.5	2.5	148	233	174	152	120	157	241	175	147	233	174	167	120	158	244	178	147	233	174	167	120	158	244	178	
11	X - 3342	2.4	2.0	2.6	3.0	2.5	2.5	147	233	174	167	120	158	244	178	148	228	173	159	131	153	256	173	148	228	173	159	131	153	256	173	
12	KIRAN	2.8	2.8	3.5	3.3	2.5	2.6	149	224	169	155	126	146	239	173	149	224	169	155	126	146	239	173	149	224	169	155	126	146	239	173	
MEAN LOCATION																																
C.D. AT 5% =																																
C.V. % =																																
F (Prob) =																																

SI NO	PEDIGREE	EAR HEIGHT (cm)										ZN 3																			
		GORA		BELI		VARA		DHOL		JASH		AMBI		ZN 3 MEAN		GORA		BELI		VARA		DHOL		KUSH		RANC		JASH		AMBI	
1	J H - 31013	78	93	92	93	81	93	53	69	91	81	53	69	91	81	54	60	106	78	54	60	106	78	49	59	88	67	49	59	88	67
2	J J C - 3272	59	78	109	82	82	79	49	59	88	78	49	59	88	78	47	55	91	78	47	55	91	78	46	65	97	78	46	65	97	78
3	L E H - 201	59	68	82	104	87	80	46	65	97	78	46	65	97	78	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81
4	L E H - 1389	66	90	96	88	87	80	46	65	97	78	46	65	97	78	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81
5	B V M - 4-1	67	88	96	88	87	80	46	65	97	78	46	65	97	78	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81
6	B V M - 8	67	110	89	89	87	80	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81	47	69	107	81
7	F H - 3273	57	73	77	73	73	68	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63
8	F H - 3289	42	73	73	73	73	68	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63	45	55	82	63
9	P M Z - 146	67	85	81	85	81	79	46	55	96	73	46	55	96	73	46	55	96	73	46	55	96	73	46	55	96	73	46	55	96	73
CHECKS:																															
10	PARKASH	66	93	98	93	82	82	40	68	99	78	40	68	99	78	53	62	94	79	53	62	94	79	52	66	104	78	52	66	104	78
11	X - 3342	67	90	95	83	81	81	40	62	94	79	40	62	94	79	52	66	104	78	52	66	104	78	47	61	95	75	47	61	95	75
12	KIRAN	66	83	96	85	80	80	47	61	95	75	47	61	95	75	13.0	5.3	12.7	11.7	13.0	5.3	12.7	11.7	13.0	5.3	12.7	11.7	13.0	5.3	12.7	11.7
MEAN LOCATION																															
C.D. AT 5% =																															
C.V. % =																															
F (Prob) =																															

TABLE NO. 17 (CONT.)

SI	NO PEDIGREE	EAR NO./PLANT				STAND AT HARVEST				ZN 3				
		BELI	VARA	KUSH	RANC	AMBI	RANC	JASH	AMBI					
		GORA				GORA								
		BELI	VARA	KUSH	RANC	AMBI	BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	ZN 3
1	J H - 31013	0.98	0.90	0.94	1.01	1.17	69	73	64	67	36	66	56	61
2	J C - 3272	0.98	0.84	0.98	1.00	0.98	74	70	71	67	33	59	65	63
3	L - 201	0.98	0.92	1.01	1.00	0.98	72	73	69	69	26	62	69	63
4	E H - 1389	0.97	0.87	0.96	1.00	1.09	76	71	60	69	27	57	58	60
5	B V M - 4- 1	0.97	0.89	0.97	1.00	1.07	59	71	54	65	24	57	60	56
6	B V M - 8	0.97	0.87	0.99	0.99	0.99	74	69	65	71	27	59	67	62
7	F H - 3273	0.96	0.90	1.00	1.00	1.09	70	76	68	71	26	60	74	63
8	F H - 3289	0.98	0.84	0.94	1.00	1.06	77	72	70	67	35	60	65	64
9	P M Z - 146	0.98	0.92	0.98	1.00	1.10	78	70	69	69	31	57	65	63
CHECKS:														
10	PARKASH	0.99	0.87	0.97	1.00	1.13	77	73	73	67	35	57	66	64
11	X - 3342	0.98	0.89	0.95	1.01	1.19	78	74	77	69	37	66	69	67
12	KIRAN	0.99	0.84	0.97	1.00	1.10	76	70	67	68	32	55	55	60
MEAN LOCATION														
	C.D. AT 5%	-	-	-	-	-	4.8	5.5	7.8	7.3	5.5	4.7	6.3	6.0
	C.V. %	-	-	-	-	-	4.6	5.4	8.1	7.4	10.6	5.5	6.8	-
	F (Prob)	-	-	-	-	-	.000	.291	.000	.939	.000	.000	.000	-

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

TABLE NO. 18

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, COIMBATORE, KOLHAPUR IN AET 1st YEAR, TRIAL NO. TR67Z4 DURING KHARIF (2005)

SI NO		GRAIN YIELD (kg/ha) AT 15% MOISTURE																ZN 4	
PEDIGREE		HYDE	R	KARI	R	ARBH	R	MAND	R	COIM	R	KOLH	R	COIM	R	KOLH	R	MEAN	R
1	J H - 31013	4729	6	3938	15	4537	6	4143	4	4271	9	2419	13	4006	5	2419	13	4006	5
2	J H - 3982	4826	5	4303	9	4612	4	2490	18	4371	8	1746	18	3725	11	1746	18	3725	11
3	L H - 291	3015	17	3512	19	4095	13	3043	14	3836	11	2405	15	3318	17	2405	15	3318	17
4	E H - 1389	4249	17	4022	14	4831	2	3349	10	4567	11	2526	11	3924	8	2526	11	3924	8
5	E H - 1485	3735	11	3560	18	4287	9	2695	15	3493	15	1948	17	3286	18	1948	17	3286	18
6	E H - 1297	3936	8	3916	16	3113	19	2473	19	3354	16	3446	3	3373	16	3446	3	3373	16
7	E H - 1265	3267	15	3562	17	4578	5	4005	6	3185	18	2760	10	3560	15	2760	10	3560	15
8	B V M - 4 - 1	3923	19	4676	5	5038	1	2585	16	3514	13	2968	9	3784	10	2968	9	3784	10
9	B V M - 8	3720	12	4292	10	4320	8	3305	11	3198	17	3069	7	3651	13	3069	7	3651	13
10	F H - 3273	2853	19	4502	6	4149	12	3308	13	5026	5	2406	14	3671	12	2406	14	3671	12
11	F H - 3289	2957	18	4831	3	4639	3	4346	2	3496	14	3392	4	3944	17	3392	4	3944	17
12	H K H - 1237	5398	2	4129	12	3601	17	4315	3	3748	12	1528	19	3787	9	1528	19	3787	9
13	M C H - 26	5911	13	4993	2	4209	11	4490	1	4843	6	3447	12	4647	1	3447	12	4647	1
14	M C H - 27	3672	13	5414	1	4209	10	4035	5	5986	1	3213	5	4421	6	3213	5	4421	6
15	X - 2484	4959	4	4206	11	3528	18	3440	8	5371	3	2525	12	4005	12	2525	12	4005	12
16	P M Z - 146	5207	3	4099	13	3950	14	3408	9	5393	2	3519	1	4263	3	3519	1	4263	3
CHECKS:																			
17	PARKASH	3822	10	4320	8	3729	16	2584	17	3980	10	3004	8	3573	14	3004	8	3573	14
18	X - 3342	3473	14	4826	4	4353	7	3664	7	5282	4	3210	6	4135	4	3210	6	4135	4
19	KIRAN	3175	16	4350	7	3899	15	3141	12	3012	19	2070	16	3274	19	2070	16	3274	19
MEAN YIELD=		4044		4287		4193		3400		4207		2716		3808		2716		3808	
MEAN STAND		53		61		55		68		55		83		62		83		62	
C.D. AT 5%=		1707		1125		1416		776		576		768		1061		768		1061	
C.V. %		29.80		18.52		20.41		13.80		9.66		17.08		-		17.08		-	
F (Prob)		0.00		0.035		0.794		0.00		0.00		0.00		-		0.00		-	
PLOT SIZE=		15.00		12.00		15.00		14.00		9.60		12.00		-		12.00		-	
AGRONOMY DATA:																			
SOWING DATE (2005)		30-06		9-07		23-07		7-08		7-07		29-06		-		29-06		-	
HARVEST DATE (2005)		2-11		15-07		7-12		10-12		20-10		10-10		-		10-10		-	
IRRIGATION Nos		-		-		4		5		10		-		-		-		-	
FERTILIZER APPLIED		N	120	180		150		150		135		100		-		100		-	
		P	60	60		75		75		63		50		-		50		-	
		K	40	30		38		40		50		30		-		30		-	

TABLE NO. 18 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE KIRAN

SL NO	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	J H - 31013	48.95	-	16.358	31.92	41.80	16.86	22.34
2	J H - 3982	52.02	-	15.28	-	45.13	16.20	11.32
3	J H - 201	-	-	23.89	6.62	51.64	22.04	19.32
4	L H - 1385	33.84	-	29.95	-	15.98	5.0	10.36
5	E H - 1485	17.66	-	17.41	27.51	15.37	33.30	8.54
6	E H - 1265	23.96	-	29.78	-	15.66	33.30	3.07
7	E H - 1265	23.57	7.49	10.41	-	16.16	33.30	1.69
8	E H - 4 - 1	17.16	-	16.47	5.24	16.87	16.87	11.10
9	B H - 3273	-	3.50	18.97	38.37	16.04	16.87	12.43
10	B H - 3283	70.03	11.06	7.70	37.40	16.44	16.87	15.93
11	F H - 2237	86.14	-	7.94	42.96	16.74	16.87	15.93
12	F H - 1226	15.20	14.78	7.94	28.46	16.74	16.87	15.93
13	M H - 227	56.99	24.46	1.29	29.52	16.74	16.87	15.93
14	X P - 484	-	-	-	8.51	16.74	16.87	15.93
15	CHECKS:	-	-	-	-	-	-	-
16	PARKASH	20.40	10.94	11.63	16.66	32.13	45.15	9.12
17	X - 3342	9.39	-	-	-	75.36	55.09	26.27
18	KIRAN	-	-	-	-	-	-	-
19	KIRAN	-	-	-	-	-	-	-

DAYS TO 50% SILKING

DAYS TO 50% POLLEN SHED

SL NO	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1	J H - 31013	57.58	51.08	56.0	7.7	47.3	5.07	2.1	8.0	4.0	7.7	5.0	5.0	7.7	6.8
2	J H - 3982	55.8	47.0	55.5	4.6	46.5	5.14	5.2	9.0	5.4	7.7	4.5	4.7	5.5	5.5
3	J H - 201	55.8	48.3	55.5	5.0	43.8	5.23	5.5	6.5	5.1	7.3	5.5	4.8	5.5	5.5
4	L H - 1385	55.8	48.3	55.5	4.6	47.0	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
5	E H - 1485	55.8	47.7	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
6	E H - 1265	55.8	47.7	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
7	E H - 1265	55.8	47.7	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
8	B H - 3273	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
9	B H - 3283	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
10	F H - 2237	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
11	F H - 1226	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
12	M H - 227	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
13	X P - 484	55.8	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
14	CHECKS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	PARKASH	56.7	48.0	56.4	4.9	45.8	5.47	5.5	9.0	5.1	7.0	5.5	5.0	5.5	5.5
16	X - 3342	55.8	47.7	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
17	KIRAN	56.7	48.0	56.4	4.9	45.8	5.47	5.5	9.0	5.1	7.0	5.5	5.0	5.5	5.5
18	KIRAN	55.7	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5
19	KIRAN	55.7	46.8	55.5	4.6	43.8	5.23	5.5	3.0	5.0	7.3	5.4	4.8	5.5	5.5

MEAN LOCATION AT 5% =
C.V. =
F (Prob)

TABLE NO. 18 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 4	
		HYDE	KARI	MAND	COIM	KOLH	MEAN	HYDE	ARBH	MAND	KOLH	MEAN	MEAN
1	J H - 31013	87.8	82.8	91.0	90.5	90.0	88.4	20.8	17.0	18.7	19.5	19.0	19.0
2	J H - 3982	87.5	80.8	88.0	90.0	85.7	86.4	21.5	17.6	18.7	26.1	21.0	21.0
3	L - 201	88.3	80.5	89.0	89.3	85.0	86.4	20.1	24.4	18.5	22.9	21.5	21.5
4	E H - 1389	87.8	81.3	91.0	87.8	86.3	86.8	21.8	15.4	18.4	20.0	18.9	18.9
5	E H - 1485	87.5	81.0	90.3	88.0	85.0	86.4	22.2	16.8	18.5	23.1	20.1	20.1
6	E H - 1297	88.8	80.8	89.0	88.0	84.0	86.1	19.6	15.7	17.7	19.8	18.2	18.2
7	E H - 1265	86.8	80.3	89.7	86.0	82.3	85.0	21.5	18.5	18.3	23.0	20.3	20.3
8	B V M - 4 - 1	88.3	79.5	89.7	86.5	86.0	86.0	22.3	16.7	18.5	23.0	20.1	20.1
9	B V M - 8	87.3	80.0	91.7	90.0	87.7	87.3	22.5	17.9	18.8	22.3	20.4	20.4
10	F H - 3273	87.0	80.5	89.7	88.3	85.0	86.1	18.3	15.5	18.4	20.7	18.2	18.2
11	F H - 3289	86.8	81.5	91.0	89.3	88.0	87.3	20.0	16.7	19.1	23.4	19.8	19.8
12	H K H - 1237	87.3	82.8	91.0	88.0	88.7	87.5	21.6	15.4	18.8	26.4	20.5	20.5
13	M C H - 26	87.3	82.8	93.0	90.5	91.3	89.0	24.1	15.8	19.3	22.0	20.3	20.3
14	M C H - 27	87.0	83.3	89.0	96.8	88.3	88.9	21.9	16.7	18.0	20.6	19.3	19.3
15	X - 2484	89.5	81.0	92.3	91.5	88.7	88.6	22.8	17.8	19.0	24.8	21.1	21.1
16	P M Z - 146	89.8	81.5	92.3	90.5	87.3	88.3	20.4	15.9	18.4	25.3	20.0	20.0
CHECKS:													
17	PARKASH	87.3	81.0	91.0	91.5	90.7	88.3	21.1	15.6	18.5	24.7	20.0	20.0
18	X - 3342	88.8	79.0	90.3	90.3	86.3	86.9	21.3	15.8	18.2	23.5	19.7	19.7
19	KIRAN	89.8	79.8	90.3	91.5	88.0	87.9	23.4	16.0	17.9	23.7	20.2	20.2
MEAN LOCATION													
C.D. AT 5% =		2.4	1.9	2.7	2.0	2.1	2.2	1.8	3.9	1.0	2.6	2.3	2.3
C.V. % =		1.9	1.6	1.8	1.5	1.4	-	6.0	13.8	3.3*	6.8	-	-
F (Prob)		.172	.001	.050	.000	.000	-	.000	.017	.253	.000	-	-

TABLE NO. 18 (CONT.)

Sl NO	PEDIGREE	PLANT ASPECT *						EAR ASPECT *						ZN 4 MEAN
		HYDE	KARI	ARBH	MAND	KOLH	ZN 4 MEAN	HYDE	KARI	ARBH	MAND	COIM	KOLH	
1	J H - 31013	2.5	2.5	2.5	2.7	2.2	2.5	2.6	1.3	2.8	1.7	3.0	2.2	2.2
2	J H - 3982	2.9	2.8	2.5	2.7	1.8	2.5	2.6	1.5	2.3	2.0	3.0	2.3	2.3
3	L - 201	3.3	2.8	2.3	2.7	2.0	2.6	3.1	2.3	2.5	2.7	3.0	2.2	2.6
4	E H - 1389	2.9	2.5	3.0	2.3	2.3	2.6	2.9	2.8	2.5	2.7	2.0	2.2	2.5
5	E H - 1485	3.0	2.3	2.3	2.3	2.5	2.5	2.9	2.0	2.3	3.0	4.0	2.2	2.7
6	E H - 1297	3.4	3.0	3.0	2.7	1.8	2.8	3.0	2.5	2.5	2.7	3.8	2.0	2.7
7	E H - 1265	3.4	2.5	2.3	2.7	2.3	2.6	3.1	2.0	2.5	3.0	4.0	2.2	2.8
8	B V M - 4- 1	2.9	2.8	2.8	3.0	1.8	2.6	2.8	2.0	2.3	2.0	3.0	1.8	2.3
9	B V M - 8	3.0	2.8	2.0	2.7	1.8	2.5	2.9	2.5	2.3	1.7	3.0	1.7	2.3
10	F H - 3273	3.5	2.8	2.5	2.7	2.3	2.8	3.5	2.3	2.5	2.7	2.0	2.0	2.5
11	F H - 3289	2.6	2.5	2.3	2.0	1.7	2.2	2.9	1.8	2.3	2.0	3.0	1.8	2.3
12	H K H - 1237	2.9	2.8	3.0	2.3	1.8	2.6	2.6	1.8	2.8	2.0	3.0	2.2	2.4
13	M C H - 26	2.1	2.8	3.0	2.3	1.8	2.4	2.6	1.5	2.5	1.3	2.0	1.8	2.0
14	M C H - 27	3.3	2.5	2.8	2.7	1.7	2.6	2.4	1.8	2.5	2.0	2.0	1.5	2.0
15	X - 2484	2.8	2.5	3.0	2.0	1.8	2.4	2.7	1.8	2.5	2.0	2.0	1.8	2.1
16	P M Z - 146	2.8	2.5	2.8	3.0	1.7	2.5	2.6	2.0	2.8	2.0	2.0	1.7	2.2
CHECKS:														
17	PARKASH	3.1	2.8	3.0	2.7	2.2	2.7	2.9	1.5	3.0	2.7	3.0	1.8	2.5
18	X - 3342	2.5	3.0	2.3	3.0	1.8	2.5	3.0	2.3	2.8	2.7	2.0	1.8	2.4
19	KIRAN	3.4	3.0	3.0	2.7	2.2	2.8	3.1	2.3	2.8	2.3	4.0	2.5	2.8
MEAN LOCATION														
C.D. AT 5%		0.6	0.7	0.4	0.7	0.5	0.6	0.4	0.9	0.4	1.0	0.2	0.5	0.6
C.V. %		14.9	19.8	8.9	17.2	14.9	-	10.3	32.2	9.7	25.8	4.1	15.4	-
F (Prob)		.002	.882	.000	.257	.015	-	.001	.101	.012	.035	.000	.031	-

TABLE NO. 18 (CONT.)

S1	NO PEDIGREE	HUSK COVER *										UNIFORMITY *										ZN 4 MEAN
		HYDE	KARI	ARBH	MAND	COJM	KOLH	MEAN	ZN 4	MEAN	HYDE	KARI	ARBH	MAND	COJM	KOLH	MEAN					
1	J H - 31013	2.1	2.3	2.3	2.7	2.0	2.5	2.3	2.4	1.8	2.0	2.0	2.0	3.0	2.3	2.2						
2	J H - 3982	2.4	2.0	2.0	2.0	2.0	1.8	2.0	2.8	3.0	2.3	2.7	3.0	3.0	2.0	2.6						
3	L - 201	2.6	2.0	2.3	3.0	3.0	2.3	2.5	3.6	2.8	2.3	2.3	3.0	3.0	1.7	2.6						
4	E H - 1389	2.6	2.3	2.8	3.0	2.0	2.3	2.5	2.9	2.8	2.3	3.0	3.0	3.0	2.0	2.6						
5	E H - 1485	2.6	2.0	2.3	2.7	3.0	2.0	2.4	3.3	2.8	2.3	3.0	4.0	4.0	2.3	2.9						
6	E H - 1297	3.1	2.3	2.5	3.0	3.3	2.0	2.7	3.5	3.0	3.0	2.7	3.8	3.0	2.3	3.0						
7	E H - 1265	2.8	2.3	2.3	2.7	3.0	2.3	2.5	3.3	2.5	2.0	2.7	4.0	4.0	2.2	2.8						
8	B V M - 4- 1	2.6	2.5	2.0	2.7	2.0	1.8	2.3	3.0	2.8	2.5	2.7	3.0	3.0	2.2	2.7						
9	B V M - 8	2.5	2.0	2.3	2.7	3.0	1.7	2.3	3.0	2.8	2.3	2.7	3.0	3.0	2.3	2.7						
10	F H - 3273	3.3	2.0	2.5	2.7	2.0	2.3	2.5	3.0	2.0	2.5	2.0	2.0	3.0	2.0	2.4						
11	F H - 3289	2.4	2.0	2.3	2.7	2.0	1.7	2.2	2.6	2.0	2.0	2.3	2.0	2.0	1.7	2.1						
12	H K H - 1237	2.5	2.5	2.5	2.7	2.0	2.0	2.4	3.0	2.8	2.5	2.3	3.0	3.0	1.8	2.6						
13	M C H - 26	2.3	1.5	2.5	2.7	2.0	1.7	2.1	2.1	2.5	2.8	2.0	2.0	2.0	1.7	2.2						
14	M C H - 27	2.8	2.3	2.5	2.7	2.0	1.5	2.3	3.3	2.5	2.8	2.3	2.0	2.0	1.7	2.4						
15	X - 2484	2.5	2.3	2.5	2.3	2.0	1.8	2.2	2.9	3.0	2.8	2.7	3.0	3.0	1.8	2.7						
16	P M Z - 146	2.1	1.8	2.3	2.7	2.0	2.0	2.1	2.9	2.3	2.8	2.3	2.0	2.0	2.2	2.4						
CHECKS:																						
17	PARKASH	2.8	2.0	2.5	3.0	2.0	2.0	2.4	3.0	2.8	2.8	2.7	3.0	3.0	2.0	2.7						
18	X - 3342	2.5	2.0	2.0	3.0	2.0	1.8	2.2	2.9	3.3	2.0	3.0	3.0	3.0	2.0	2.7						
19	KIRAN	2.5	2.3	2.5	3.0	3.0	1.8	2.5	3.0	3.0	3.0	2.7	3.0	3.0	2.0	2.8						
MEAN LOCATION																						
C.D. AT 5% =		0.6	0.7	0.5	0.8	0.2	0.5	0.5	0.6	0.9	0.5	0.8	0.2	0.2	0.5	0.6						
C.V. % =		15.9	24.8	12.3	17.1	4.9	15.8	-	14.0	24.1	11.3	19.4	3.9	3.9	15.5	-						
F (Prob)		.028	.637	.123	.578	.000	.012	-	.001	.111	.000	.257	.000	.000	.073	-						

TABLE NO. 18 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 4 MEAN
		HYDE	KARI	MAND	COIM	KOLH	HYDE	KARI	MAND	COIM	KOLH	
1	J H - 31013	130	143	173	166	135	55	48	74	82	55	63
2	J H - 3982	130	145	168	172	193	55	51	65	88	88	69
3	L - 201	140	139	155	162	138	50	61	72	75	73	66
4	E H - 1389	138	145	182	185	167	50	47	83	87	75	68
5	E H - 1485	145	157	153	170	137	53	55	64	79	70	64
6	E H - 1297	130	148	160	166	188	50	50	73	76	80	66
7	E H - 1265	140	171	154	163	150	50	42	62	76	52	56
8	B V M - 4 - 1	128	151	158	173	148	53	45	69	82	70	64
9	B V M - 8	128	136	186	181	123	50	53	84	82	48	63
10	F H - 3273	128	158	150	163	143	55	42	58	73	75	61
11	F H - 3289	135	144	152	150	105	55	43	57	76	45	55
12	H K H - 1237	130	147	162	168	138	50	46	72	77	55	60
13	M C H - 26	130	157	184	177	135	48	51	82	81	55	63
14	M C H - 27	125	130	166	165	137	58	43	77	92	65	67
15	X - 2484	128	160	164	173	160	50	59	75	81	60	65
16	P M Z - 146	138	127	168	165	145	53	45	73	80	68	64
CHECKS:												
17	PARKASH	135	130	167	166	152	53	45	75	81	75	66
18	X - 3342	135	151	140	181	148	48	46	57	84	58	59
19	KIRAN	130	150	176	166	130	50	61	72	77	55	63
MEAN LOCATION												
C.D. AT 5%		6.0	18.3	19.1	9.3	6.1	4.0	10.2	13.2	8.4	10.0	9.2
C.V. %		3.2	8.8	7.0	3.9	2.5	5.5	14.6	11.3	7.4	9.4	-
F (Prob)		.000	.001	.001	.000	.000	.000	.001	.001	.003	.000	-

TABLE NO. 18 (CONT.)

Sl NO	PEDIGREE	EAR NO. / PLANT				H.turc. * STAND AT HARVEST				Zn 4 MEAN			
		KARI	MAND	COIM	KOLH	KOLH	HYDE	KARI	ARBH		MAND	COIM	KOLH
1	J H - 31013	1.01	1.02	1.04	1.01	1.8	65	61	54	71	51	86	65
2	J H - 3982	0.95	1.08	1.00	0.93	3.0	64	59	53	61	52	88	63
3	L - 201	0.97	1.03	1.01	0.87	2.5	40	56	54	67	51	94	60
4	E H - 1389	0.96	1.04	0.96	0.90	2.0	44	60	52	65	52	73	58
5	E H - 1485	0.93	1.01	0.96	0.80	2.2	49	65	50	60	51	72	58
6	E H - 1297	0.93	1.05	1.00	0.90	2.8	50	60	60	59	46	87	60
7	E H - 1265	0.98	0.96	1.02	0.70	2.0	33	62	64	73	46	87	61
8	B V M - 4- 1	0.99	1.02	1.00	0.82	2.2	54	58	50	63	55	81	60
9	B V M - 8	0.95	1.06	0.99	0.89	2.0	55	64	58	70	56	83	64
10	F H - 3273	0.87	0.96	1.02	0.80	2.0	21	64	64	66	63	95	62
11	F H - 3289	0.99	1.04	0.98	0.79	1.8	68	61	58	75	54	98	69
12	H K H - 1237	1.04	0.98	0.97	0.92	1.8	64	65	60	77	57	90	69
13	M C H - 26	0.99	1.00	1.02	0.87	1.8	63	62	54	79	62	93	69
14	M C H - 27	0.75	1.02	1.03	0.77	2.5	64	60	60	74	62	66	64
15	X - 2484	1.00	1.02	0.97	0.89	1.8	59	67	54	74	61	76	65
16	P M Z - 146	1.04	1.06	1.01	0.88	1.8	47	46	56	67	60	59	56
CHECKS:													
17	PARKASH	0.94	1.03	1.02	0.67	2.0	64	65	53	55	55	82	62
18	X - 3342	0.96	0.98	0.99	0.77	1.8	51	60	56	68	61	80	62
19	KIRAN	0.83	1.02	0.99	0.76	2.5	56	60	39	61	51	79	58
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob) =													
19.9 7.4 22.0 10.2 4.5 12.3 12.7													
26.5 8.6 24.1 9.1 5.8 9.0													
.001 .001 .923 .001 .000 .000													

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

TABLE NO. 19

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN AET 1st YEAR, TRIAL NO. TR67Z5 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 5	
		UDAI	R	BANS	R	GODH	R	CHHI	R	CHHI	R	MEAN	R		
1	J H - 3982	4781	4	6524	4	3344	6	9040	1	5922	3				
2	E H - 1389	7004	1	6743	2	2831	10	7267	8	5962	2				
3	E H - 1485	5593	2	5978	7	2901	9	7307	7	5445	5				
4	B V M - 8	3265	8	5402	11	2078	11	6505	10	4313	11				
5	F H - 3273	2990	10	5696	10	2915	7	7520	5	4780	9				
6	F H - 3289	4332	6	5817	9	2904	8	6832	9	4971	8				
7	X - 2484	4535	5	7049	1	3883	2	8502	3	5992	1				
8	P M Z - 146	5065	3	5872	8	3474	4	8927	2	5835	4				
CHECKS:															
9	PARKASH	4131	7	6229	5	3840	3	7404	6	5401	7				
10	X - 3342	2956	11	6581	3	4459	1	7691	4	5422	6				
11	KIRAN	3213	9	6080	6	3474	5	5896	11	4666	10				
	MEAN YIELD=	4352		6179		3282		7536		5337					
	MEAN STAND	62		65		51		74		63					
	C.D. AT 5%=	548		1357		812		991		927					
	C.V. %	7.41		15.25		17.17		9.13		-					
	F (Prob)	.000		.553		.000		.000		-					
	PLOT SIZE=	12.00		12.00		12.00		11.20		-					
AGRONOMY DATA:															
	SOWING DATE(2005)	1-07		30-06		8-07		8-07		-					
	HARVEST DATE(2005)	2-10		7-10		7-10		21-10		-					
	IRRIGATION NOS	-		-		1		-		-					
	FERTILIZER APPLIED N	90		120		100		100		-					
	P	60		80		5		60		-					
	K	-		-		-		40		-					

TABLE NO. 19 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE										ZN 5 MEAN
		PARKASH					X - 3342					
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	J H - 3982	15.72	4.74	-	22.09	9.65	61.71	-	-	17.53	9.23	
2	E H - 1389	69.54	8.26	-	-	10.38	136.93	2.47	-	-	9.95	
3	E H - 1485	35.38	-	-	-	0.81	89.18	-	-	-	0.42	
4	B V M - 8	-	-	-	-	-	10.46	-	-	-	-	
5	F H - 3273	-	-	-	1.56	-	1.15	-	-	-	-	
6	F H - 3289	4.86	-	-	-	-	46.54	-	-	-	-	
7	X - 2484	9.77	13.17	1.11	14.83	10.95	53.40	7.11	-	10.54	10.52	
8	P M Z - 146	22.61	-	-	20.57	8.03	71.34	-	-	16.07	7.62	
CHECKS:												
9	PARKASH	-	-	-	-	-	39.75	-	-	-	-	
10	X - 3342	-	5.66	16.12	3.88	0.39	-	-	-	-	-	
11	KIRAN	-	-	-	-	-	8.68	-	-	-	-	

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE KIRAN										ZN 5 MEAN
		PARKASH					TO 50% POLLEN SHED					
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN	
1	J H - 3982	48.79	7.30	-	53.32	26.93	51.7	47.8	50.0	48.5	49.5	
2	E H - 1389	118.00	10.91	-	23.26	27.77	47.0	46.8	46.3	49.0	47.3	
3	E H - 1485	74.07	-	-	23.93	16.69	47.7	43.3	47.3	49.3	46.9	
4	B V M - 8	1.63	-	-	10.33	-	50.7	44.8	49.0	50.5	48.7	
5	F H - 3273	-	-	-	27.54	2.45	47.7	43.8	46.8	46.8	46.2	
6	F H - 3289	34.84	-	-	15.87	6.54	49.7	38.8	45.5	46.0	45.0	
7	X - 2484	41.15	15.93	11.75	44.20	28.43	52.3	48.5	50.0	51.3	50.5	
8	P M Z - 146	57.65	-	-	51.42	25.05	50.7	47.0	48.8	50.8	49.3	
CHECKS:												
9	PARKASH	28.58	2.44	10.52	25.58	15.76	52.3	46.0	48.3	50.5	49.3	
10	X - 3342	-	8.24	28.34	30.45	16.20	51.0	46.8	48.3	48.3	48.6	
11	KIRAN	-	-	-	-	-	50.0	46.8	48.8	49.1	48.8	
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
F (Prob) =												

TABLE NO. 19 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	J H - 3982	54.3	51.5	52.3	48.5	83.7	71.3	72.8	90.5	79.5
2	E H - 1389	49.0	50.5	48.3	49.0	84.7	69.3	69.3	89.0	78.0
3	E H - 1485	49.3	47.3	50.3	51.0	83.7	69.3	70.8	88.0	77.9
4	B V M - 8	53.3	48.5	51.3	51.3	81.0	68.8	71.5	90.5	77.9
5	F H - 3273	50.7	47.8	48.8	49.5	79.3	69.5	72.3	86.0	76.8
6	F H - 3289	51.7	42.3	47.5	46.3	84.0	67.8	68.5	86.0	76.6
7	X - 2484	54.7	52.5	52.5	53.0	87.0	71.5	72.8	90.5	80.4
8	P M Z - 146	53.3	51.0	51.3	51.3	84.0	72.5	71.8	88.5	79.2
CHECKS:										
9	PARKASH	54.7	50.0	50.8	51.0	84.0	70.3	69.3	85.5	77.3
10	X - 3342	53.7	50.8	50.0	50.5	79.7	68.3	71.3	89.0	77.0
11	KIRAN	52.3	51.0	51.3	51.8	80.7	70.3	71.8	86.5	77.3
MEAN LOCATION										
	C.D. AT 5% =	1.3	2.8	1.8	1.0	1.6	3.1	1.5	0.7	1.7
	C.V. % =	1.5	3.9	2.5	1.4	1.1	3.1	1.5	0.5	-
	F (Prob)	.000	.000	.000	.000	.000	.096	.000	.000	-
MOISTURE % AT HARVEST										
Sl No	PEDIGREE	PLANT ASPECT *				PLANT ASPECT *				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	J H - 3982	18.4	16.6	13.9	19.6	2.0	2.0	2.5	2.0	2.1
2	E H - 1389	14.8	16.6	15.0	21.2	1.7	2.3	3.0	1.8	2.2
3	E H - 1485	15.1	16.6	14.0	18.6	1.9	2.4	3.0	2.0	2.3
4	B V M - 8	16.4	16.6	16.1	20.9	2.7	2.3	2.8	2.0	2.4
5	F H - 3273	17.9	17.2	15.2	18.1	2.6	2.3	2.8	2.0	2.4
6	F H - 3289	16.0	16.4	15.4	19.8	1.8	2.1	2.5	1.5	2.0
7	X - 2484	18.6	17.4	13.9	20.5	1.8	2.0	2.3	1.3	1.8
8	P M Z - 146	18.1	16.7	14.0	18.5	1.8	2.4	2.3	1.5	2.0
CHECKS:										
9	PARKASH	17.1	16.3	16.5	18.7	2.4	1.5	2.5	2.0	2.1
10	X - 3342	15.1	16.6	13.6	20.3	2.6	2.0	2.0	1.8	2.1
11	KIRAN	16.0	16.5	14.0	18.6	2.3	2.4	2.3	2.0	2.2
MEAN LOCATION										
	C.D. AT 5% =	0.7	0.8	0.5	1.0	0.6	0.4	0.9	0.2	0.5
	C.V. % =	2.4	3.1	2.6	3.7	17.4	11.8	24.1	9.4	-
	F (Prob)	.000	.195	.000	.000	.020	.001	.362	.000	-

TABLE NO. 19 (CONT.)

SI NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	J H - 3982	2.0	2.1	2.3	1.3	1.9	3.0	1.3	2.0	
2	J H H - 1389	1.4	2.4	2.8	1.5	2.0	3.0	1.8	2.2	
3	E H H - 1485	1.6	2.1	3.0	1.6	2.1	3.0	1.8	2.2	
4	B V M - 8	3.0	2.1	3.0	1.3	2.3	3.0	1.3	2.1	
5	F H H - 3273	2.7	2.0	2.5	1.3	2.1	3.0	2.0	2.4	
6	F H H - 3289	1.7	2.0	3.0	1.0	1.9	3.0	1.0	2.0	
7	X P M Z - 2484	1.8	2.1	1.8	1.1	1.7	3.0	1.0	1.9	
8	P M Z - 146	1.7	2.5	2.3	1.4	1.9	2.8	1.0	1.9	
CHECKS:										
9	PARKASH	2.2	1.5	2.5	1.4	1.9	3.0	1.5	2.0	
10	X - 3342	2.7	2.0	2.0	1.4	2.2	2.8	1.0	2.0	
11	KIRAN	2.6	2.4	2.3	1.5	2.2	2.8	1.8	2.1	
MEAN LOCATION										
	C.D. AT 5% =	2.1	2.1	2.5	1.3	2.0	2.9	1.4	2.1	
	C.V. % =	0.5	0.3	1.0	0.4	0.5	0.4	0.3	0.4	
	F (Prob) =	13.6	9.1	28.8	19.8	-	14.6	13.3	-	
		.000	.000	.221	.094	-	.069	.000	-	

SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	J H - 3982	2.0	2.1	2.5	1.8	182	175	145	186	172
2	J H H - 1389	1.9	2.5	3.3	1.5	183	178	150	176	172
3	E H H - 1485	1.9	2.1	2.5	1.8	165	168	136	183	163
4	B V M - 8	2.5	2.1	2.8	1.8	178	188	143	194	176
5	F H H - 3273	2.2	2.0	3.3	1.3	160	163	119	161	151
6	F H H - 3289	2.2	1.9	2.8	1.3	143	183	116	158	150
7	X P M Z - 2484	1.7	2.1	2.8	1.3	192	178	156	173	174
8	P M Z - 146	1.7	2.3	2.8	1.3	138	173	150	170	158
CHECKS:										
9	PARKASH	2.1	1.5	2.8	1.8	187	170	146	181	171
10	X - 3342	2.4	2.0	2.8	1.5	188	183	130	183	171
11	KIRAN	2.5	2.4	2.8	1.8	182	190	150	176	175
MEAN LOCATION										
	C.D. AT 5% =	2.1	2.1	2.8	1.5	173	177	140	176	166
	C.V. % =	0.6	0.3	0.8	0.3	24.0	3.2	11.6	22.3	15.3
	F (Prob) =	16.4	9.7	19.0	12.1	8.2	1.2	5.8	8.8	-
		.062	.000	.587	.000	.001	.000	.000	.085	-

TABLE NO. 19 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)				EAR No. / PLANT				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI
1	J H - 3982	78	90	43	76	72	1.02	0.98	1.14	0.99
2	E H - 1389	80	78	57	81	74	0.99	0.94	1.03	0.96
3	E H - 1485	85	63	44	74	66	0.89	1.08	1.01	0.92
4	B V M - 8	87	88	50	91	79	1.00	0.95	1.10	1.00
5	F H - 3273	75	63	37	69	61	1.01	1.00	1.04	0.96
6	F H - 3289	72	78	39	69	64	0.99	1.05	1.07	0.99
7	X - 2484	87	90	56	79	78	1.02	1.13	0.99	1.01
8	P M Z - 146	85	73	60	79	74	0.99	0.98	1.12	1.01
CHECKS:										
9	PARKASH	95	65	61	84	76	1.01	0.98	1.08	0.98
10	X - 3342	83	83	43	88	74	0.98	0.96	1.07	0.97
11	KIRAN	93	83	60	83	79	1.01	0.93	0.93	0.96
MEAN LOCATION										
	C.D. AT 5%	84	77	50	79	72	-	-	-	-
	C.V. %	15.6	3.6	8.4	15.3	10.7	-	-	-	-
	F (Prob)	11.0	3.2	11.7	13.4	-	-	-	-	-
		.127	.000	.000	.103	-	-	-	-	-

STAND AT HARVEST

SI NO	PEDIGREE	STAND AT HARVEST				Zn 5				
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	MEAN
1	J H - 3982	68	62	52	76	65	62	52	76	65
2	E H - 1389	66	66	38	73	61	66	38	73	61
3	E H - 1485	74	64	40	67	61	64	40	67	61
4	B V M - 8	42	69	69	71	63	69	69	71	63
5	F H - 3273	80	69	60	78	71	80	60	78	71
6	F H - 3289	60	66	46	75	62	60	46	75	62
7	X - 2484	56	66	54	75	63	56	54	75	63
8	P M Z - 146	65	64	44	77	62	65	44	77	62
CHECKS:										
9	PARKASH	63	64	55	74	64	63	55	74	64
10	X - 3342	51	70	62	78	65	51	62	78	65
11	KIRAN	56	58	44	75	58	56	44	75	58
MEAN LOCATION										
	C.D. AT 5%	62	65	51	74	63	62	51	74	63
	C.V. %	13.8	13.1	14.6	6.4	12.0	13.1	14.6	6.4	12.0
	F (Prob)	13.1	13.9	19.7	6.0	-	13.1	19.7	6.0	-
		.001	.829	.002	.074	-	.001	.002	.074	-

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

TABLE NO. 20

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, BARAPANI IN AET 1ST YEAR, TRIAL NO. TR68Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE SURYA					
		ALMO	R	BAJA	R	BARA	R	ALMO	BAJA	BARA	ZN 1 MEAN		
1	F H - 3248	7588	2	5904	1	1692	6	5061	1	60.22	102.15	-	61.62
2	F H - 3277	7713	1	4769	5	1787	1	4757	2	62.86	63.28	2.82	51.88
3	F H - 3288	6024	7	5073	3	1643	8	4247	5	27.18	73.70	-	35.60
4	V L - 103	6565	4	4957	4	1589	10	4370	4	38.61	69.71	-	39.56
5	V L - 108	6221	6	3499	10	1576	12	3765	9	31.35	19.80	-	20.24
6	V L - 110	5191	9	5210	2	1703	4	4035	8	9.61	78.39	-	28.84
7	A H - 23029	6429	5	4115	9	1627	9	4057	7	35.73	40.90	-	29.54
8	A H - 23021	4662	12	3334	11	1748	2	3248	11	-	14.14	0.56	3.71
9	A H - 23025	7487	3	4530	8	1658	7	4558	3	58.08	55.08	-	45.55
CHECKS:													
10	SURYA	4736	11	2921	12	1738	3	3132	12	-	-	-	-
11	AMAR	4956	10	4556	7	1582	11	3698	10	4.63	55.98	-	18.07
12	HIM - 129	5863	8	4691	6	1694	5	4083	6	23.80	60.61	-	30.37
	MEAN YIELD=	6120		4463		1670		4084					
	MEAN STAND	43		.62		57		54					
	C.D. AT 5%=	1041		768		159		656					
	C.V. % =	11.84		10.19		6.62		-					
	F (Prob)	.000		.000		.044		-					
	PLOT SIZE=	7.20		9.60		9.00		-					
AGRONOMY DATA:													
	SOWING DATE(2005)	9-07		9-.7		6-07		-					
	HARVEST DATE(2005)	9-11		2-11		8-11		-					
	IRRIGATION NOS	-		2		-		-					
	FERTILIZER APPLIED N	80		120		80		-					
	P	60		60		60		-					
	K	40		40		40		-					

TABLE NO. 20 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE AMAR			GRAIN YIELD & SUPERIORITY OVER THE HIM - 129			GRAIN YIELD & SUPERIORITY OVER THE HUSK		
		ALMO	BAJA	BARA	ALMO	BAJA	BARA	ALMO	BAJA	BARA
1	F H - 3248	53.13	29.60	6.95	29.42	25.86	92.7	97.0	105.5	98.4
2	F H - 3277	55.65	4.68	12.99	31.55	1.66	90.3	96.5	104.3	97.0
3	F H - 3288	21.56	11.36	3.89	11.97	8.15	91.7	95.8	106.0	98.1
4	V L L - 103	32.48	8.81	0.49	11.97	5.67	89.0	94.5	104.5	96.4
5	V L L - 108	25.54	-	-	6.10	-	88.3	94.5	102.5	95.1
6	V L L - 110	4.76	14.37	7.67	-	11.07	91.7	95.5	103.3	96.8
7	A H - 23029	29.73	-	2.86	9.64	-	93.7	99.5	104.5	99.2
8	A H - 23021	-	-	10.51	-	-	90.3	93.8	105.5	96.5
9	A H - 23025	51.09	-	4.82	27.69	-	91.7	101.8	105.0	99.5
CHECKS:										
10	SURYA	-	-	9.89	-	-	2.61	-	-	-
11	AMAR	-	-	-	-	-	-	-	-	-
12	HIM - 129	18.32	2.97	7.09	10.42	-	-	-	-	-
DAYS TO 50% POLLEN SHED										
SL NO	PEDIGREE	ALMO	BAJA	BARA	ALMO	BAJA	BARA	ALMO	BAJA	BARA
1	F H - 3248	53.0	54.3	58.0	53.3	56.3	62.3	57.3	92.7	105.5
2	F H - 3277	51.5	50.0	55.3	52.5	53.0	59.5	55.0	90.3	104.3
3	F H - 3288	51.8	50.7	57.5	53.0	53.3	61.8	56.0	91.7	106.0
4	V L L - 103	51.5	53.7	54.5	52.8	56.3	58.8	55.9	89.0	104.5
5	V L L - 108	50.5	52.3	54.5	51.8	54.7	58.5	55.0	88.3	102.5
6	V L L - 110	51.8	50.3	54.3	53.0	53.0	58.3	54.8	91.7	103.3
7	A H - 23029	55.0	56.3	56.0	56.3	59.0	59.3	58.2	93.7	104.5
8	A H - 23021	52.5	50.0	57.0	53.5	52.3	61.3	55.7	90.3	105.5
9	A H - 23025	54.3	59.0	59.5	55.3	61.3	63.0	59.9	91.7	105.0
CHECKS:										
10	SURYA	52.3	52.3	58.5	53.3	54.3	62.8	56.8	87.0	108.5
11	AMAR	53.0	54.3	57.3	53.5	56.3	61.5	57.1	88.0	107.3
12	HIM - 129	50.8	49.3	55.8	52.0	51.7	59.3	54.3	89.0	103.8
MEAN LOCATION										
C.D. AT 5% =		1.0	1.2	2.6	1.1	0.8	2.4	1.4	2.0	2.8
C.V. % =		1.3	1.3	3.2	1.4	0.9	2.7	-	1.3	1.8
F (Prob)		.000	.000	.002	.000	.000	.000	-	.000	.008

TABLE NO. 20 (CONT.)

S1 NO	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				EAR ASPECT *				ZN 1 MEAN
		ALMO	BAJA	BARA	ZN 1 MEAN	ALMO	BAJA	BARA	ZN 1 MEAN	ALMO	BAJA	BARA	ZN 1 MEAN	
1	F H - 3248	33.9	24.5	27.8	28.7	2.3	2.0	1.3	1.9	2.5	2.2	1.8	2.0	
2	F H - 3277	29.9	23.6	26.3	26.6	2.3	2.2	1.8	2.1	2.5	2.2	2.0	2.3	
3	F H - 3288	30.5	23.5	28.5	27.5	2.4	2.0	1.8	2.0	2.5	2.5	1.8	2.2	
4	V L - 103	29.1	23.0	29.3	27.1	2.5	2.7	1.3	2.2	2.5	2.2	2.3	2.4	
5	V L - 108	29.9	22.6	29.5	27.3	2.7	2.8	1.5	2.4	2.5	2.2	1.8	2.1	
6	V L - 110	31.5	23.5	27.5	27.5	2.7	2.5	1.5	2.3	2.6	2.2	1.8	2.3	
7	A H - 23029	33.0	23.8	27.8	28.2	2.5	2.5	2.0	2.3	2.6	2.5	1.8	2.1	
8	A H - 23021	30.1	22.0	28.0	26.7	2.8	2.5	1.3	2.2	2.6	2.5	1.3	2.1	
9	A H - 23025	35.3	22.8	26.5	28.2	2.5	2.0	2.5	2.3	2.5	2.3	1.5	2.1	
CHECKS:														
10	SURYA	28.2	20.1	25.8	24.7	2.8	2.8	1.5	2.4	2.7	3.0	2.0	2.6	
11	AMAR	30.5	22.8	26.3	26.5	2.5	2.5	2.0	2.3	2.7	2.5	1.3	2.2	
12	HIM - 129	29.4	21.8	24.8	25.3	2.7	2.3	2.0	2.4	2.5	2.5	1.5	2.2	
MEAN LOCATION														
C.D. AT 5% =		2.1	1.4	2.9	2.1	0.1	0.3	1.0	0.5	0.2	0.3	0.8	0.4	
C.V. % =		4.8	3.6	7.4	-	3.4	8.0	41.7	-	4.4	6.0	35.4	-	
F (Prob) =		.000	.000	.055	-	.000	.000	.358	-	.000	.000	.314	-	

S1 NO	PEDIGREE	HUSK COVER *				UNIFORMITY *				PLANT HEIGHT (cm)				ZN 1 MEAN
		ALMO	BAJA	BARA	ZN 1 MEAN	ALMO	BAJA	BARA	ZN 1 MEAN	ALMO	BAJA	BARA	ZN 1 MEAN	
1	F H - 3248	2.4	2.0	1.5	2.0	2.5	2.0	1.3	1.9	2.13	1.87	1.52	1.84	
2	F H - 3277	2.0	2.0	1.3	1.7	2.3	2.0	1.3	1.9	1.86	1.77	1.56	1.73	
3	F H - 3288	2.1	2.0	1.3	1.8	2.3	2.0	1.5	1.9	1.91	1.80	1.49	1.74	
4	V L - 103	2.2	2.3	1.0	1.8	2.9	2.5	1.5	2.3	2.07	1.98	1.37	1.81	
5	V L - 108	2.5	2.0	1.0	1.8	2.7	2.2	1.5	2.2	1.96	1.84	1.35	1.72	
6	V L - 110	2.2	2.0	1.5	1.9	2.8	2.3	1.8	2.0	1.92	1.93	1.44	1.76	
7	A H - 23029	2.5	2.2	1.3	2.2	2.8	2.3	1.8	2.3	2.01	1.78	1.38	1.72	
8	A H - 23021	2.1	2.0	1.3	1.8	2.8	2.2	1.8	2.3	1.95	1.92	1.48	1.78	
9	A H - 23025	1.6	2.0	1.5	1.7	2.8	2.0	1.5	2.1	2.27	1.98	1.50	1.92	
CHECKS:														
10	SURYA	1.8	2.3	1.5	1.9	2.9	2.3	1.5	2.2	2.07	1.84	1.56	1.83	
11	AMAR	2.1	2.2	1.5	1.9	2.8	2.2	1.8	2.2	2.14	1.81	1.53	1.83	
12	HIM - 129	2.0	2.0	1.8	1.9	2.8	2.0	1.8	2.2	1.91	1.82	1.29	1.67	
MEAN LOCATION														
C.D. AT 5% =		0.2	0.3	0.7	0.4	0.2	0.4	0.8	0.4	0.3	2.1	12.3	14.6	
C.V. % =		6.1	8.1	33.7	-	4.0	9.8	35.5	-	3.5	6.8	5.9	-	
F (Prob) =		.000	.103	.191	-	.000	.107	.901	-	.000	.437	.001	-	

TABLE NO. 20 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)			EAR No./PLANT			H.turcicum *			ZN 1 MEAN
		ALMO	BAJA	BARA	ALMO	BARA	ALMO	BAJA	BARA		
1	F H - 3248	99	82	51	1.03	0.93	1.1	1.7	1.4	1.4	
2	F H - 3277	89	82	63	1.05	0.97	1.2	1.7	1.4	1.4	
3	F H - 3288	88	92	59	1.09	0.94	1.3	2.3	1.8	1.8	
4	V L - 103	99	105	49	1.06	0.96	1.5	3.2	2.4	2.4	
5	V L - 108	96	90	60	1.02	0.97	2.4	3.2	2.8	2.8	
6	V L - 110	89	98	49	1.04	0.95	1.5	2.5	2.0	2.0	
7	A H - 23029	101	99	54	1.05	1.00	2.0	2.5	2.2	2.2	
8	A H - 23021	98	97	60	1.04	0.96	1.5	2.8	2.2	2.2	
9	A H - 23025	126	112	61	0.99	0.96	1.5	1.8	1.7	1.7	
CHECKS:											
10	SURYA	103	105	56	1.02	0.91	2.9	3.3	3.1	3.1	
11	AMAR	108	112	55	1.03	0.94	1.4	3.0	2.2	2.2	
12	HIM - 129	90	95	51	1.03	0.93	1.7	2.0	1.9	1.9	
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											
H.maydis *											
PHYSO -DERMA*											
BLSB											
STAND AT HARVEST											
SI NO	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	ALMO	ALMO	BAJA	BARA	ZN 1 MEAN		
1	F H - 3248	1.3	1.5	1.4	1.8	1.3	62	62	55		
2	F H - 3277	1.2	1.5	1.4	1.5	1.0	67	67	54		
3	F H - 3288	1.7	1.8	1.5	1.6	1.1	64	64	55		
4	V L - 103	1.6	1.8	1.8	2.0	1.4	67	67	55		
5	V L - 108	1.6	2.0	1.8	1.7	1.0	60	60	54		
6	V L - 110	1.6	2.0	1.8	1.8	1.1	60	60	53		
7	A H - 23029	1.7	1.8	1.8	1.6	1.2	58	58	52		
8	A H - 23021	1.5	1.8	1.7	1.6	1.1	62	62	55		
9	A H - 23025	1.4	1.5	1.5	2.2	1.1	57	57	52		
CHECKS:											
10	SURYA	2.0	1.8	1.9	1.9	1.2	64	64	57		
11	AMAR	1.8	2.0	1.9	1.8	1.3	60	60	54		
12	HIM - 129	1.7	2.0	1.8	2.0	1.2	57	57	52		
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											

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

TABLE NO. 21 (CONT.)

S1 NO PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE AMAR						ZN 2 MEAN
	DELH	LUDH	KARN	PANT	KANP		
1 J H - 31053	85.04	58.75	45.40	52.24	1.57		36.79
2 F H - 3245	111.82	3.43	22.11	-	-		10.62
3 F H - 3248	151.82	20.34	13.40	37.12	5.83		25.85
4 F H - 3288	81.88	18.40	24.86	46.87	1.81		22.93
5 A H - 23029	128.43	23.26	9.36	53.90	-		23.88
6 H K H - 1183	90.00	-	-	8.72	-		3.07
CHECKS:							
7 SURYA	30.45	-	-	-	1.59		-
8 AMAR	-	-	-	-	-		-
9 HIM - 129	32.73	-	-	30.44	-		1.32

S1 NO PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129						ZN 2 MEAN
	DELH	LUDH	KARN	PANT	KANP		
1 J H - 31053	39.41	91.16	61.47	16.71	1.80		35.01
2 F H - 3245	59.59	24.54	35.60	-	-		9.18
3 F H - 3248	89.73	44.91	25.94	5.12	6.07		24.21
4 F H - 3288	37.03	42.57	38.66	12.59	2.04		21.33
5 A H - 23029	72.11	48.42	21.45	17.98	-		22.27
6 H K H - 1183	43.15	13.09	1.93	-	-		1.73
CHECKS:							
7 SURYA	-	6.71	3.75	-	1.82		-
8 AMAR	-	20.41	11.06	-	0.23		-
9 HIM - 129	-	-	-	-	-		-

TABLE NO. 21 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				ZN 2		
		DELH	LU DH	KARN	KANP	DELH	LU DH	KARN	PANT	PANT	KANP	MEAN
1	J H - 31053	47.3	51.0	46.3	50.0	51.3	51.5	48.3	49.0	54.0	50.8	
2	F H - 3245	43.3	49.0	44.7	48.0	45.3	49.8	47.0	47.5	52.0	48.3	
3	F H - 3248	49.0	48.8	44.7	45.7	50.7	50.3	46.7	46.8	50.7	49.0	
4	F H - 3288	46.0	49.5	45.7	47.0	50.0	49.5	48.0	48.3	52.0	49.5	
5	A H - 23029	46.3	50.8	48.0	51.3	50.0	52.0	50.0	50.5	55.3	51.6	
6	H K H - 1183	48.0	48.5	44.3	47.0	51.3	49.5	46.7	49.5	52.0	49.8	
CHECKS:												
7	SURYA	50.0	46.8	45.0	47.0	53.0	48.3	47.7	47.5	52.0	49.7	
8	AMAR	44.3	47.5	44.3	45.7	51.7	48.8	46.3	47.8	51.3	49.2	
9	HIM - 129	42.7	44.3	42.7	47.7	44.7	45.8	45.0	46.3	53.0	46.9	
MEAN LOCATION												
	C.D. AT 5%	46.3	48.4	45.1	47.7	49.8	49.5	47.3	48.1	52.5	49.4	
	C.V. %	3.3	1.9	0.9	0.6	4.0	2.0	0.8	2.0	0.8	1.9	
	F (Prob)	4.2	2.7	1.2	0.8	4.7	2.7	0.9	2.9	0.9	-	
		.003	.000	.000	.000	.005	.000	.000	.006	.000	-	

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				PLANT EAR ASPECT *				
		LU DH	KARN	KANP	MEAN	DELH	LU DH	PANT	MEAN	ZN 2	ASP. *	DELH	KANP	MEAN
1	J H - 31053	83.0	82.0	78.0	81.0	27.2	22.9	26.3	25.5	3.0	3.0	2.2	3.0	2.6
2	F H - 3245	76.3	77.0	78.0	77.1	15.4	21.8	32.8	23.3	3.0	3.0	2.5	3.2	2.8
3	F H - 3248	78.0	81.3	75.7	78.3	19.3	22.5	24.3	22.0	3.0	3.0	2.3	3.0	2.7
4	F H - 3288	79.0	78.3	78.0	78.4	23.7	21.8	31.1	25.5	3.0	3.0	2.0	3.5	2.8
5	A H - 23029	83.5	83.0	80.7	82.4	19.4	22.6	30.4	24.1	3.3	3.3	2.0	3.0	2.5
6	H K H - 1183	77.5	79.7	80.0	79.1	16.8	22.3	25.8	21.6	3.0	3.0	2.2	3.3	2.8
CHECKS:														
7	SURYA	77.0	80.7	76.0	77.9	17.5	22.1	30.7	23.5	3.0	3.0	2.5	3.2	2.8
8	AMAR	78.5	77.3	78.7	78.2	25.1	22.3	26.8	24.8	2.7	2.7	2.7	3.2	2.9
9	HIM - 129	75.0	77.3	72.7	75.0	17.0	21.5	25.9	21.5	3.2	3.2	2.7	3.0	2.8
MEAN LOCATION														
	C.D. AT 5%	78.6	79.6	77.5	78.6	20.1	22.2	28.2	23.5	3.0	3.0	2.3	3.1	2.7
	C.V. %	1.3	1.2	3.6	2.1	5.4	0.2	3.6	3.1	0.3	0.3	1.0	0.3	0.7
	F (Prob)	1.2	0.9	2.7	-	15.4	0.7	8.8	-	5.4	5.4	24.4	6.1	-
		.000	.000	.008	-	.002	.000	.000	-	.016	.016	.730	.057	-

TABLE NO. 21 (CONT.)

Sl No	PEDIGREE	HUSK COV. * RMITY* KANP			UNIFO- PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 2 MEAN					
		KANP	KANP	KANP	DELH	LUDH	KARN	PANT	PANT	PANT		DELH	LUDH	KARN	PANT	PANT
1	J H - 31053	3.0	3.0	3.0	155	188	203	219	164	186	55	84	123	100	64	85
2	F H - 3245	3.3	3.5	3.0	150	130	172	172	169	158	70	50	88	55	65	66
3	F H - 3248	3.0	3.0	3.0	120	136	183	179	179	159	45	53	93	64	72	65
4	F H - 3288	3.2	3.0	3.0	130	134	172	179	166	156	50	65	93	71	63	69
5	A H - 23029	3.0	3.0	3.0	150	148	182	196	161	167	65	68	93	87	66	76
6	H K H - 1183	3.0	3.0	3.0	125	128	185	183	172	158	45	61	97	78	73	71
CHECKS:																
7	SURYA	3.0	3.3	3.3	135	165	175	195	173	169	55	71	87	88	69	74
8	AMAR	3.0	3.2	3.2	155	143	192	188	171	169	50	71	97	82	65	73
9	HIM - 129	3.0	3.2	3.2	170	140	182	182	163	167	65	66	97	78	63	74
MEAN LOCATION																
C.D. AT 5% = 17.9 17.3 11.0 16.5 8.5 14.2 14.4 15.8 9.8 9.9 9.8 9.9 9.8 11.9																
C.V. % = 7.2 8.1 3.5 6.0 2.9 - 14.9 16.5 5.8 8.7 8.5 -																
F (Prob) = .570 .020 .000 .000 .000 .000 .000 .000 .008 - .013 .008 .000 .000 .304																

Sl No	PEDIGREE	EAR NO./PLANT			STAND AT HARVEST (IAR)			EAR HEIGHT (cm)			ZN 2 MEAN					
		DELH	LUDH	LUDH	DELH	LUDH	KARN	PANT	PANT	PANT		DELH	LUDH	KARN	PANT	PANT
1	J H - 31053	0.96	0.98	0.98	55	70	54	54	54	68	60	60	60	60	60	60
2	F H - 3245	1.04	0.92	0.92	44	69	44	44	44	69	58	58	58	58	58	58
3	F H - 3248	1.05	0.94	0.94	49	72	49	49	49	67	58	58	58	58	58	58
4	F H - 3288	0.85	0.97	0.97	52	74	48	48	48	73	62	62	62	62	62	62
5	A H - 23029	0.95	0.96	0.96	60	71	52	52	49	70	60	60	60	60	60	60
6	H K H - 1183	0.93	0.91	0.91	66	74	49	49	62	66	63	63	63	63	63	63
CHECKS:																
7	SURYA	1.16	0.98	0.98	68	70	46	46	43	73	60	60	60	60	60	60
8	AMAR	0.97	0.96	0.96	70	75	47	47	50	69	62	62	62	62	62	62
9	HIM - 129	0.91	0.95	0.95	54	59	43	43	69	68	59	59	59	59	59	59
MEAN LOCATION																
C.D. AT 5% = 23.7 10.7 5.1 13.7 6.9 12.0																
C.V. % = 23.8 10.4 6.2 16.6 5.8 -																
F (Prob) = .294 .172 .007 .008 .406																

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

TABLE NO. 22

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELLIPAR GORAKHPUR, VARANASI, DHOLI, KUSHMAHOT, RANCHI, JASHIPUR, AMBIKAPUR IN AET 1st YEAR, TRIAL NO. TR6823 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3		
		BELI	VARA	DHOL	R	KUSH	R	RANC	R	JASH	R	AMBI	R	MEAN	R	
1	D E H - 105	3036	3	2867	6	3848	2	2358	11	3614	6	5020	5	3503	6	
2	D E H - 107	2724	6	2497	11	3726	6	2657	6	3595	7	5333	4	3586	4	
3	D E H - 111	2574	9	2769	8	3616	8	2161	12	3763	5	5020	6	3368	7	
4	F H - 3245	2597	8	4087	1	3460	11	4079	1	4340	1	6392	1	4121	1	
5	F H - 3277	3298	2	3364	3	3432	12	2936	4	4218	2	5784	3	3767	3	
6	F H - 3288	3848	1	3084	4	3882	1	2912	5	3925	4	5824	2	3860	2	
7	V L - 109	2692	7	2428	12	3812	4	3024	3	3233	12	3490	12	3151	11	
8	V L - 110	2263	12	2901	5	3590	9	2425	9	3310	10	3980	11	3143	12	
9	A H - 23029	3011	4	3501	2	3710	7	3438	2	4031	3	4020	10	3574	5	
CHECKS:																
10	SURYA	2803	5	2634	9	3835	3	2623	7	3308	11	4451	8	3221	9	
11	AMAR	2430	10	2502	10	3580	10	2415	10	3454	8	4333	9	3157	10	
12	HIM - 129	2336	11	2865	7	3767	5	2491	8	3397	9	4745	7	3287	8	
	MEAN YIELD=	2801		2958		3688		2793		3682		4866		3478		
	MEAN STAND	73		76		75		31		59		-		65		
	C.D. AT 5% =	364		892		479		382		153		735		510		
	C.V. % =	9.06		21.01		9.05		8.09		2.90		10.50		-		
	F (Prob)	.000		.019		.953		.000		.000		.000		-		
	PLOT SIZE=	12.00		15.00		15.00		7.00		12.00		12.00		-		
AGRONOMY DATA:																
	SOWING DATE (2005)	30-06		9-10		13-07		2-08		6-07		4-07		-		
	HARVEST DATE (2005)	15-10		10-10		23-10		9-11		26-10		-		-		
	IRRIGATION NOS	2		-		2		1		-		-		-		
	FERTILIZER APPLIED N	120		100		120		80		120		80		-		
	P	60		60		60		60		60		60		-		
	K	60		40		40		40		60		40		-		

TABLE NO. 22 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SURYA										
SI NO	PEDIGREE	GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	ZN 3 MEAN	
1	D E H - 105	8.34	30.52	8.84	0.33	-	9.25	12.78	8.75	
2	D E H - 107	-	57.99	-	-	1.31	8.67	19.82	11.34	
3	D E H - 111	-	27.13	5.12	-	-	13.76	12.78	4.58	
4	F H - 3245	-	34.59	55.18	-	55.51	31.21	43.61	27.95	
5	F H - 3277	17.68	15.26	27.72	-	11.93	27.53	29.96	16.95	
6	F H - 3288	37.29	22.54	17.10	1.22	11.01	18.64	30.84	19.84	
7	V L - 109	-	16.78	-	-	15.27	-	-	-	
8	V L - 110	-	22.22	10.13	-	-	0.06	-	-	
9	A H - 23029	7.43	14.30	32.95	-	31.08	21.86	-	10.96	
CHECKS:										
10	SURYA	-	17.00	-	-	-	-	-	-	
11	AMAR	-	17.79	8.80	-	-	4.43	-	-	
12	HIM - 129	-	-	-	-	-	2.68	6.61	2.05	

GRAIN YIELD & SUPERIORITY OVER THE AMAR										
SI NO	PEDIGREE	GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	ZN 3 MEAN	
1	D E H - 105	24.95	11.56	14.57	7.49	-	4.62	15.84	10.95	
2	D E H - 107	12.08	35.03	-	4.08	10.03	4.07	23.08	13.59	
3	D E H - 111	5.91	8.66	10.66	1.00	-	8.94	15.84	6.70	
4	F H - 3245	6.88	15.03	63.35	-	68.90	25.65	47.51	30.54	
5	F H - 3277	35.72	-	34.45	-	21.57	22.12	33.48	19.31	
6	F H - 3288	58.34	4.73	23.26	8.44	20.57	13.61	34.39	22.26	
7	V L - 109	10.77	-	-	6.48	25.19	-	-	-	
8	V L - 110	-	4.46	15.93	0.29	0.39	-	-	-	
9	A H - 23029	23.90	-	39.95	3.64	42.37	16.69	-	13.21	
CHECKS:										
10	SURYA	15.33	-	5.26	7.13	8.61	-	2.71	2.02	
11	AMAR	-	-	-	-	-	-	-	-	
12	HIM - 129	-	0.68	14.52	5.22	3.16	-	9.50	4.11	

TABLE NO. 22 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE HIM - 129										
Sl No	Pedigree	Gora Beli	Vara	Dhol	Kush	Ranc	Jash	Ambi	Zn 3 Mean	
1	D E H - 105	29.99	10.80	0.04	2.16	-	6.39	5.79	6.56	
2	D E H - 107	16.60	34.12	-	-	6.66	5.83	12.40	9.10	
3	D E H - 111	10.18	7.93	-	-	-	10.79	5.79	2.48	
4	F H - 3245	11.20	14.26	42.63	-	63.73	27.78	34.71	25.38	
5	F H - 3277	41.20	-	17.40	-	17.85	24.20	21.90	14.60	
6	F H - 3288	64.73	4.03	7.63	3.07	16.88	15.54	22.73	17.43	
7	V L - 109	15.24	-	-	1.20	21.36	-	-	-	
8	V L - 110	-	3.75	1.23	-	-	-	-	-	
9	A H - 23029	28.90	-	22.20	-	38.01	18.67	-	8.73	
CHECKS:										
10	SURYA	19.99	-	-	1.82	5.28	-	-	-	
11	AMAR	4.04	-	-	-	-	1.70	-	-	
12	HIM - 129	-	-	-	-	-	-	-	-	

DAYS TO 50% POLLEN SHED 50*										
Sl No	Pedigree	Gora Beli	Vara	Dhol	Kush	Ranc	Jash	Ambi	Zn 3 Mean	
1	D E H - 105	48.0	41.0	48.5	48.3	42.0	41.8	40.8	44.3	
2	D E H - 107	45.8	40.8	46.5	47.5	40.0	40.8	41.5	43.3	
3	D E H - 111	47.5	40.3	47.0	46.0	41.7	39.5	42.0	43.4	
4	F H - 3245	49.8	44.0	47.5	47.5	41.0	38.5	43.0	44.5	
5	F H - 3277	49.3	45.0	49.8	48.3	46.0	40.0	42.5	45.8	
6	F H - 3288	46.8	41.0	47.8	47.8	43.0	41.3	43.0	44.8	
7	V L - 109	45.3	41.3	45.5	47.3	41.7	39.5	39.5	42.8	
8	V L - 110	46.3	42.0	47.0	46.5	44.0	39.0	41.3	43.7	
9	A H - 23029	50.3	47.8	49.3	51.0	47.0	43.5	44.0	47.5	
CHECKS:										
10	SURYA	46.3	42.0	48.0	47.8	46.0	42.3	42.0	44.9	
11	AMAR	48.5	42.3	47.8	48.0	43.0	42.8	42.8	45.0	
12	HIM - 129	45.5	40.5	46.3	47.0	44.0	40.5	39.0	43.3	
MEAN LOCATION										
C.D. AT 5% =										
C.V. % =										
F (Prob) =										

TABLE NO. 22 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% SILKING							ZN 3 MEAN
		GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	
1	D E H - 105	50.3	48.0	52.3	50.0	45.0	45.3	44.8	47.9
2	D E H - 107	48.0	46.8	49.8	50.0	43.3	44.5	45.0	46.8
3	D E H - 111	50.0	48.0	50.5	48.5	45.0	43.0	45.5	47.2
4	F H - 3245	52.3	49.8	51.8	49.3	44.3	42.5	46.3	48.0
5	F H - 3277	51.8	51.0	53.0	52.3	49.0	43.8	45.5	49.5
6	F H - 3288	49.3	49.8	51.5	48.5	46.3	44.5	46.8	48.2
7	V L - 109	47.5	47.8	49.5	48.5	46.0	43.5	43.3	46.6
8	V L - 110	48.5	48.5	50.8	50.3	47.0	43.0	44.5	47.5
9	A H - 23029	52.8	51.3	52.8	52.0	50.0	46.8	47.5	50.4
CHECKS:									
10	SURYA	48.5	49.0	51.5	51.0	49.0	45.8	45.3	48.6
11	AMAR	50.8	49.3	51.0	50.5	46.0	46.0	46.8	48.6
12	HIM - 129	47.8	47.5	49.8	48.8	48.0	44.3	43.0	47.0
MEAN LOCATION									
	C.D. AT 5% =	1.2	1.6	1.6	1.8	2.2	1.4	1.6	1.6
	C.V. % =	1.7	2.3	2.2	2.5	2.8	2.2	2.4	-
	F (Prob) =	.000	.000	.000	.001	.000	.000	.000	-

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK							ZN 3 MEAN
		GORA BELI	VARA	DHOL	RANC	JASH	AMBI	AMBI	
1	D E H - 105	81.5	77.0	76.0	83.7	77.8	77.0	77.0	78.8
2	D E H - 107	79.0	76.8	76.0	81.7	77.0	79.5	78.3	78.3
3	D E H - 111	80.8	77.5	77.5	82.7	77.8	80.0	79.4	79.4
4	F H - 3245	82.5	78.3	77.3	86.3	76.8	80.5	80.3	80.3
5	F H - 3277	83.8	82.5	83.5	86.3	80.8	80.5	82.9	82.9
6	F H - 3288	81.8	77.5	77.3	85.0	79.3	82.0	80.5	80.5
7	V L - 109	80.3	78.8	76.8	83.0	78.3	76.5	78.9	78.9
8	V L - 110	78.3	79.8	77.3	84.0	77.8	80.3	79.5	79.5
9	A H - 23029	85.3	83.3	83.3	85.7	83.0	83.5	84.0	84.0
CHECKS:									
10	SURYA	77.8	78.0	78.3	83.7	77.0	78.5	78.9	78.9
11	AMAR	77.8	78.5	75.5	83.7	77.8	78.5	78.8	78.8
12	HIM - 129	80.6	78.7	77.8	84.1	78.4	79.5	79.9	79.9
MEAN LOCATION									
	C.D. AT 5% =	1.3	2.4	2.4	2.3	2.8	1.4	2.1	2.1
	C.V. % =	1.1	2.1	2.2	1.6	2.5	1.2	-	-
	F (Prob) =	.000	.000	.000	.005	.003	.000	-	-

TABLE NO. 22 (CONT.)

Sl NO	PEDIGREE	MOISTURE %				AT HARVEST				PLANT ASPECT *				ZN 3 MEAN
		GORA BELI	VARA	KUSH	RANC	JASH	ZN 3 MEAN	GORA BELI	DHOL	KUSH	JASH	AMBI	ZN 3 MEAN	
1	D E H - 105	22.0	31.5	23.5	22.2	16.5	23.2	2.1	2.5	3.1	3.0	2.5	2.6	
2	D E H - 107	22.3	29.1	23.0	22.4	16.5	22.6	2.4	3.3	3.1	3.0	2.8	2.9	
3	D E H - 111	21.5	31.7	23.0	23.0	16.8	23.2	2.6	2.9	3.0	3.0	2.5	2.8	
4	F H H - 3245	21.4	31.3	24.4	23.8	16.0	23.4	2.5	2.1	3.1	2.0	2.7	2.5	
5	F H H - 3277	22.7	35.1	26.7	23.3	16.4	24.8	1.9	1.9	3.0	2.0	2.5	2.3	
6	F H H - 3288	22.0	30.5	21.6	23.2	15.2	22.7	1.8	2.6	3.0	4.5	2.5	2.3	
7	V L L - 109	21.2	27.8	23.9	22.3	15.6	22.2	2.8	2.9	3.1	3.0	2.5	3.1	
8	V L L - 110	22.4	30.1	25.5	23.1	16.0	23.4	2.4	2.9	2.9	3.0	2.3	2.7	
9	A H - 23029	21.3	35.2	25.7	22.9	16.9	24.4	2.1	2.1	3.0	2.0	2.6	2.4	
CHECKS:														
10	SURYA	21.5	31.6	22.8	23.2	16.6	23.2	2.6	2.8	3.0	3.5	2.6	2.9	
11	AMAR	22.4	31.8	23.3	22.5	16.8	23.4	2.6	3.3	2.8	3.8	2.6	3.0	
12	HIM - 129	20.5	29.8	22.1	23.1	15.9	22.3	2.8	3.3	3.1	3.8	2.6	3.1	
MEAN LOCATION														
	C.D. AT 5% =	0.8	0.4	5.0	0.4	0.5	1.4	0.4	0.7	0.3	0.4	0.4	0.4	
	C.V. % =	2.6	0.9	14.6	0.9	2.0	-	11.9	17.4	6.3	9.8	10.1	-	
	F (Prob)	.000	.000	.664	.000	.000	-	.000	.001	.169	.000	.641	-	

Sl NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				ZN 3 MEAN
		GORA BELI	DHOL	KUSH	JASH	GORA BELI	JASH	AMBI	ZN 3 MEAN	
1	D E H - 105	2.5	2.8	2.6	3.0	2.0	2.3	2.6	2.3	2.3
2	D E H - 107	2.0	3.0	2.6	2.5	2.3	2.5	2.3	2.4	2.4
3	D E H - 111	2.8	3.1	2.5	2.8	2.3	2.8	2.5	2.5	2.5
4	F H H - 3245	2.9	2.0	2.6	2.0	2.5	2.0	2.5	2.4	2.4
5	F H H - 3277	2.1	2.8	2.5	2.5	2.1	2.0	2.5	2.2	2.2
6	F H H - 3288	2.5	2.0	2.5	2.3	2.0	1.5	2.7	2.1	2.1
7	V L L - 109	2.9	3.3	2.6	3.8	2.6	3.0	3.0	2.6	2.6
8	V L L - 110	2.8	3.1	2.4	3.8	2.6	3.0	2.6	2.7	2.7
9	A H - 23029	2.4	1.9	2.5	2.0	2.3	1.5	2.5	2.1	2.1
CHECKS:										
10	SURYA	2.6	2.6	2.5	4.0	2.6	2.0	2.6	2.4	2.4
11	AMAR	3.0	2.4	2.3	4.0	2.4	2.8	2.6	2.4	2.6
12	HIM - 129	2.9	2.8	2.6	3.0	2.7	3.0	2.4	2.3	2.4
MEAN LOCATION										
	C.D. AT 5% =	0.6	0.6	0.3	0.6	0.5	0.5	0.4	0.3	0.4
	C.V. % =	17.3	15.7	7.5	13.1	-	-	10.8	15.5	9.6
	F (Prob)	.068	.000	.169	.000	-	-	.002	.084	-

TABLE NO. 22 (CONT.)

S1 NO	PEDIGREE	UNIFORMITY *					PLANT HEIGHT (cm)					ZN 3 MEAN		
		GORA BELI	DHOL	JASH	AMBI	ZN 3 MEAN	GORA BELI	VARA	DHOL	KUSH	RANC		JASH	AMBI
1	D E H - 105	2.4	2.5	2.8	2.4	2.5	132	188	148	123	112	135	229	152
2	D E H - 107	2.8	3.3	3.0	2.7	2.9	135	198	138	130	107	135	227	153
3	D E H - 111	2.6	2.6	2.3	2.5	2.5	124	208	159	147	107	136	230	159
4	F H - 3245	2.6	2.1	2.0	2.7	2.4	124	185	148	128	111	129	217	149
5	F H - 3277	1.9	1.8	2.0	2.5	2.0	135	175	137	127	108	137	226	149
6	F H - 3288	1.6	1.9	2.0	2.3	2.0	136	175	142	129	112	132	227	150
7	V L - 109	2.6	3.1	3.5	2.4	2.9	118	195	148	124	108	127	214	148
8	V L - 110	3.0	3.0	3.5	2.5	3.0	127	198	142	124	112	131	215	150
9	A H - 23029	2.0	1.6	2.3	2.5	2.1	146	190	157	125	115	143	221	157
CHECKS:														
10	SURYA	3.0	3.0	2.8	2.6	2.8	146	195	154	131	115	141	228	158
11	AMAR	2.9	3.4	3.3	2.8	3.1	128	195	154	133	108	139	226	154
12	HIM - 129	2.8	3.4	3.3	2.8	3.0	123	208	148	133	101	129	205	149
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														

S1 NO	PEDIGREE	EAR HEIGHT (cm)					EAR NO./PLANT					ZN 3 MEAN		
		GORA BELI	VARA	DHOL	KUSH	RANC	JASH	AMBI	GORA BELI	VARA	KUSH		RANC	JASH
1	D E H - 105	47	90	74	55	43	94	65	0.97	0.97	0.97	1.00	1.00	
2	D E H - 107	51	68	63	63	39	90	61	0.96	0.94	0.99	1.00	1.00	
3	D E H - 111	45	88	79	71	44	88	67	0.99	0.92	0.99	1.02	1.00	
4	F H - 3245	36	63	58	45	38	62	48	0.99	0.96	1.03	1.00	1.00	
5	F H - 3277	53	63	63	53	38	76	57	0.98	1.02	0.99	1.00	0.99	
6	F H - 3288	49	68	63	55	41	79	57	0.98	1.03	0.95	1.00	1.00	
7	V L - 109	46	75	64	51	39	73	56	0.98	0.91	0.98	1.00	1.00	
8	V L - 110	48	65	73	56	40	78	59	0.98	0.97	0.96	1.02	1.00	
9	A H - 23029	66	85	78	60	43	87	68	0.98	0.93	0.99	1.02	1.00	
CHECKS:														
10	SURYA	54	85	81	61	41	89	66	0.99	1.01	0.95	1.00	1.00	
11	AMAR	50	80	80	62	47	87	65	0.95	0.94	1.03	1.00	1.00	
12	HIM - 129	45	68	67	61	37	75	57	0.98	1.03	0.94	1.00	1.00	
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														

TABLE NO. 22 (CONT.)

SI NO	PEDIGREE	H. TURC. STAND AT HARVEST							ZN 3 MEAN
		* AMBI	BELI	VARA	DHOL	KUSH	RANC	JASH	
1	DEH - 105	1.5	75	77	75	73	34	62	66
2	DEH - 107	1.3	76	73	79	74	31	64	66
3	DEH - 111	1.3	71	85	80	76	35	62	68
4	FH - 3245	1.0	67	79	72	75	35	55	64
5	FH - 3277	1.5	74	78	75	75	30	57	65
6	FH - 3288	1.0	80	83	77	72	36	61	68
7	VL - 109	1.5	72	73	72	74	23	55	61
8	VL - 110	1.5	78	75	78	77	29	58	66
9	AH - 23029	1.0	70	82	72	74	31	57	64
CHECKS:									
10	SURYA	1.0	72	80	80	74	26	57	65
11	AMAR	1.5	75	80	79	78	33	61	68
12	HIM - 129	1.8	70	70	71	75	28	60	62
MEAN LOCATION									
C.D. AT 5%		0.9	7.9	7.1	7.8	6.1	5.3	6.1	6.7
C.V. %		47.6	7.5	6.3	7.1	5.7	10.2	7.1	-
F (Prob)		.716	.105	.005	.178	.688	.001	.062	-

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

TABLE NO. 23

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT HYDERABAD, KARIMNAGAR, MANDYA, COIMBATORE, KOLHAPUR IN AET 1st YEAR, TRIAL NO. TR68Z4 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												Zn 4 MEAN
		HYDE	R	KARI	R	MAND	R	COIM	R	KOLH	R			
1	D E H - 105	4143	6	4329	6	4080	8	4523	5	2096	14	3834	8	
2	D E H - 107	4332	4	4353	5	4082	7	4674	4	2844	5	4057	5	
3	D E H - 111	3003	18	4136	8	3905	10	4268	8	1984	15	3459	13	
4	F E H - 3245	4318	5	5003	2	4034	9	4424	6	3046	3	4165	3	
5	F H H - 3248	4848	1	5077	1	4533	5	4306	7	3430	2	4439	2	
6	F H H - 3277	4026	8	4103	9	7072	1	5050	2	2799	7	4610	1	
7	F H H - 3288	3832	11	4560	4	3881	11	3885	10	4087	1	4049	6	
8	V L L - 103	3452	17	3668	13	3299	16	3376	15	2719	8	3303	14	
9	V L L - 105	4056	7	3684	12	4787	4	3415	13	2893	4	3767	10	
10	V L L - 109	3690	14	3731	11	4170	6	3702	11	2447	11	3548	12	
11	V L L - 110	4431	3	3965	10	5596	2	3406	14	2295	13	3939	7	
12	CHH - 215	4625	2	4823	3	3305	15	5246	1	2631	10	4126	4	
13	A H - 23029	3835	10	4192	7	3781	12	4937	3	2412	12	3831	9	
14	A H - 23021	3585	15	3655	14	3150	18	3009	16	1232	18	2926	17	
15	H K H - 1183	3799	13	3596	15	5118	3	4151	9	1723	16	3677	11	
CHECKS:														
16	SURYA	3491	16	3011	18	3689	13	2878	18	1414	17	2897	18	
17	AMAR	3839	9	3017	17	3504	14	3463	12	2645	9	3294	15	
18	HIM - 129	3803	12	3430	16	3217	17	2953	17	2814	6	3243	16	
	MEAN YIELD=	3950		4019		4178		3981		2528		3731		
	MEAN STAND	63		65		63		50		80		64		
	C.D. AT 5% =	1098		922		1422		446		739		925		
	C.V. % =	19.59		16.18		20.53		7.89		17.63				
	P (Prob)	.682		.000		.000		.000		.000				
	PLOT SIZE=	15.00		12.00		14.00		9.60		12.00				
AGRONOMY DATA:														
	SOWING DATE (2005)	12-07		9-07		7-08		2-07		29-06				
	HARVEST DATE (2005)	3-11		18-10		12-12		3-10		11-10				
	IRRIGATION NOS	-		-		5		8		-				
	FERTILIZER APPLIED	N 120		180		150		135		100				
		P 60		60		75		63		50				
		K 40		30		40		50		30				

TABLE NO. 23 (CONT.)

		GRAIN YIELD & SUPERIORITY OVER THE SURYA							ZN 4
Sl NO	PEDIGREE	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN		
1	DD	18.69	43.78	10.59	57.16	48.27	32.37		
2	DE	24.09	44.34	15.85	42.42	10.13	40.47		
3	EE		36.34	15.37	43.77	14.52	43.73		
4	FF	38.71	66.15	32.87	45.62	11.47	55.21		
5	FF	35.23	66.24	31.59	45.01	14.97	59.15		
6	FF	31.97	66.11	29.19	45.32	18.97	59.78		
7	FF		66.23		45.37	19.27	59.05		
8	FF	16.19	66.39	29.75	46.64	10.43	40.49		
9	FF	15.71	66.30	13.04	46.60	17.32	25.44		
10	FF	26.93	66.68	15.68	46.34	6.86	22.44		
11	V	39.86	66.10	2.49	47.54	70.59	32.44		
12	V	22.69	66.32		47.14		31.26		
13	V	28.82	66.19	38.72	44.52	21.86	26.95		
14	V		66.32						
15	V		66.32						
16	CH	9.97	0.18	-	20.35	87.07	13.70		
17	CH	8.94	13.91	-	22.62	99.00	11.97		
18	HIM								
		GRAIN YIELD & SUPERIORITY OVER THE AMAR							ZN 4
Sl NO	PEDIGREE	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN		
1	DD	7.93	43.52	16.44	30.59	7.53	16.42		
2	DE	12.84	44.29	16.50	34.97		23.13		
3	EE		36.86	11.46	23.23	15.14	26.46		
4	EE	12.49	38.20	15.37	27.73	29.67	49.94		
5	EE	26.27	38.11	19.83	24.81	54.49	22.94		
6	EE	4.87	36.11	10.76	42.19	5.81	20.28		
7	FF		36.11			9.38	14.73		
8	FF	5.65	36.11	36.62	6.89		17.33		
9	FF		36.11	19.02			19.59		
10	FF	15.41	36.11	19.71	51.48		25.77		
11	V	20.49	39.87	7.91	42.54		16.33		
12	V		38.11						
13	V		38.11						
14	V		38.11						
15	V		38.11	46.07	19.84		11.65		
16	CH		0.21	5.29					
17	CH		13.71			6.38			
18	HIM								

TABLE NO. 23 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE HIM - 129																			
Sl No	Pedigree	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN
1	D B E H H	8.95	26.22	26.84	53.15	1.09	18.22	13.90	26.57	26.89	53.28	1.09	18.22	13.90	26.57	26.89	53.28	1.09	18.22
2	D D E H H	13.55	20.58	21.40	44.58	8.24	6.45	13.55	20.58	21.40	44.58	8.24	6.45	13.55	20.58	21.40	44.58	8.24	6.45
3	D D E H H	27.47	48.00	40.84	47.15	21.89	36.81	27.47	48.00	40.84	47.15	21.89	36.81	27.47	48.00	40.84	47.15	21.89	36.81
4	D D E H H	5.76	13.33	12.64	31.53	45.23	24.84	5.76	13.33	12.64	31.53	45.23	24.84	5.76	13.33	12.64	31.53	45.23	24.84
5	F V V L L	6.65	6.77	28.51	15.32	2.82	16.84	6.65	6.77	28.51	15.32	2.82	16.84	6.65	6.77	28.51	15.32	2.82	16.84
6	F V V L L	16.51	8.39	48.65	15.32	-	19.34	16.51	8.39	48.65	15.32	-	19.34	16.51	8.39	48.65	15.32	-	19.34
7	F V V L L	21.63	15.60	29.73	17.76	-	21.41	21.63	15.60	29.73	17.76	-	21.41	21.63	15.60	29.73	17.76	-	21.41
8	F V V L L	0.84	22.56	17.54	6.19	-	18.13	0.84	22.56	17.54	6.19	-	18.13	0.84	22.56	17.54	6.19	-	18.13
9	F V V L L	-	6.84	59.10	40.54	-	13.38	-	6.84	59.10	40.54	-	13.38	-	6.84	59.10	40.54	-	13.38
10	C H H	0.95	-	14.62	17.28	-	1.55	0.95	-	14.62	17.28	-	1.55	0.95	-	14.62	17.28	-	1.55
11	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	C H H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	A H K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DAYS TO 50% POLLEN SHED																			
Sl No	Pedigree	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN
1	D B E H H	46.03	44.30	45.03	43.55	0.00	46.52	46.03	44.30	45.03	43.55	0.00	46.52	46.03	44.30	45.03	43.55	0.00	46.52
2	D D E H H	45.55	41.05	44.93	44.44	3.00	45.77	45.55	41.05	44.93	44.44	3.00	45.77	45.55	41.05	44.93	44.44	3.00	45.77
3	D D E H H	45.77	44.44	49.07	45.44	0.00	47.12	45.77	44.44	49.07	45.44	0.00	47.12	45.77	44.44	49.07	45.44	0.00	47.12
4	D D E H H	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
5	F V V L L	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
6	F V V L L	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
7	F V V L L	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
8	F V V L L	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
9	F V V L L	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28	44.55	44.55	47.30	44.55	7.00	47.28
10	C H H	46.03	44.30	45.03	43.55	0.00	46.52	46.03	44.30	45.03	43.55	0.00	46.52	46.03	44.30	45.03	43.55	0.00	46.52
11	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
12	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
13	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
14	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
15	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
16	C H H	45.03	44.30	45.03	43.55	0.00	46.52	45.03	44.30	45.03	43.55	0.00	46.52	45.03	44.30	45.03	43.55	0.00	46.52
17	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12
18	A H K	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12	44.44	44.44	49.07	44.44	3.00	47.12

CHECKS:
 SURYA
 AMAR
 HIM
 129
 LOCATION
 AT 5% =
 C.V. (Prob)

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST				
		HYDE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	HYDE	MAND	KOLH	ZN 4 MEAN
1	D E H - 105	82.0	78.0	88.3	87.5	88.0	84.8	21.3	17.7	24.4	21.1
2	D E H - 107	81.5	75.5	84.7	87.3	85.7	82.9	22.1	19.2	18.0	19.8
3	D E H - 111	84.0	77.3	88.3	87.5	85.7	84.6	22.9	18.7	22.0	21.2
4	F H - 3245	83.0	78.5	89.7	87.8	87.7	85.3	24.8	18.7	21.0	21.5
5	F H - 3248	81.3	77.8	88.7	88.5	87.3	84.7	23.3	17.9	20.6	20.6
6	F H - 3277	81.8	78.0	89.7	87.8	88.7	85.2	21.7	18.0	25.0	21.6
7	F H - 3288	82.0	79.5	92.3	88.8	87.0	85.9	21.3	18.2	21.5	20.3
8	V L - 103	81.3	76.5	88.0	89.0	85.0	83.9	22.0	18.2	21.9	20.7
9	V L - 105	81.3	77.5	86.3	87.3	88.0	84.1	21.9	18.3	21.1	20.4
10	V L - 109	84.0	75.5	87.3	86.3	84.7	83.6	21.9	18.7	22.0	20.9
11	V L - 110	82.8	75.3	88.3	87.3	84.7	83.7	22.5	17.6	22.0	20.7
12	CHH - 215	81.3	77.8	89.7	91.5	88.3	85.7	25.3	18.2	25.0	22.8
13	A H - 23029	81.0	78.3	88.3	92.3	88.7	85.7	22.0	18.5	22.1	20.9
14	A H - 23021	81.3	77.8	88.3	87.5	85.7	84.1	23.3	18.3	21.5	21.0
15	H K H - 1183	82.5	78.5	89.0	87.0	85.3	84.5	22.3	18.4	22.0	20.9
CHECKS:											
16	SURYA	81.8	77.3	87.3	89.0	88.0	84.7	21.8	18.3	25.5	21.8
17	AMAR	82.8	78.5	88.3	88.0	86.7	84.8	24.7	18.4	21.9	21.7
18	HIM - 129	83.5	76.3	87.7	86.8	85.0	83.8	20.9	17.6	19.6	19.4
MEAN LOCATION											
C.D. AT 5%		2.2	1.7	3.4	1.2	1.6	2.0	2.0	1.5	1.7	1.7
C.V. %		1.9	1.6	2.3	0.9	1.1	-	6.1	5.0	4.7	-
F (Prob)		.087	.000	.076	.000	.000	-	.000	.859	.000	-

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT *					EAR ASPECT *					ZN 4	
		HYDE	KARI	MAND	KOLH	MEAN	HYDE	KARI	MAND	KOLH	MEAN	MEAN	MEAN
1	DEH - 105	2.6	3.0	2.0	2.0	2.4	3.0	1.5	2.3	2.0	2.2	2.2	
2	DEH - 107	2.8	2.8	2.0	1.8	2.3	3.0	2.3	2.3	2.2	2.4	2.4	
3	DEH - 111	3.0	2.8	2.3	2.8	2.7	3.1	1.5	3.0	2.3	2.5	2.5	
4	FH - 3245	2.9	2.0	2.0	1.7	2.1	3.0	2.0	2.3	1.7	2.3	2.3	
5	FH - 3248	2.5	2.0	2.0	1.7	2.0	3.1	2.0	2.3	1.5	2.2	2.2	
6	FH - 3277	3.4	2.0	2.3	1.8	2.4	3.1	1.8	2.3	1.7	2.2	2.2	
7	FH - 3288	2.6	2.0	2.0	1.7	2.1	3.0	1.5	2.3	1.5	2.1	2.1	
8	VL - 103	3.3	2.5	2.3	2.3	2.6	3.1	2.0	3.0	1.8	2.5	2.5	
9	VL - 105	3.1	3.3	2.7	1.7	2.7	3.0	2.0	3.0	1.8	2.5	2.5	
10	VL - 109	2.5	3.3	2.3	2.0	2.5	3.0	2.3	2.7	2.2	2.5	2.5	
11	VL - 110	3.5	2.5	2.0	2.2	2.5	3.0	2.0	2.7	2.7	2.6	2.6	
12	CHH - 215	3.3	2.8	3.0	2.0	2.8	3.1	1.0	2.7	1.5	2.1	2.1	
13	AH - 23029	3.1	2.5	2.3	1.8	2.4	3.0	1.5	2.7	2.2	2.3	2.3	
14	AH - 23021	3.3	2.8	2.3	2.5	2.7	3.3	2.3	2.7	2.8	2.8	2.8	
15	HKH - 1183	3.0	2.0	2.0	1.8	2.2	3.0	1.3	2.7	2.3	2.3	2.3	
CHECKS:													
16	SURYA	3.3	2.8	2.3	2.2	2.6	3.0	2.3	2.0	3.0	2.6	2.6	
17	AMAR	3.1	3.3	2.0	2.5	2.7	3.0	2.5	2.7	2.0	2.5	2.5	
18	HIM - 129	3.3	2.8	2.0	1.7	2.4	3.1	2.3	2.7	1.8	2.5	2.5	
MEAN LOCATION													
C.D. AT 5%		0.7	0.7	0.7	0.7	0.7	0.3	0.8	1.0	0.7	0.7	0.7	
C.V. %		16.4	18.8	17.6	19.6	-	7.8	28.4	24.3	19.2	-	-	
F (Prob)		.118	.000	.142	.019	-	.974	.008	.882	.000	-	-	

TABLE NO. 23 (CONT.)

Sl NO PEDIGREE	HUSK COVER *				UNIFORMITY *				ZN 4		
	HYDE	KARI	MAND	KOLH	MEAN	HYDE	KARI	MAND	KOLH	MEAN	MEAN
1 D E H - 105	2.6	2.0	2.7	1.8	2.3	2.9	3.3	2.3	2.0	2.6	2.6
2 D E H - 107	2.8	2.3	3.0	2.0	2.5	3.0	2.5	2.0	2.2	2.4	2.4
3 D E H - 111	2.5	2.3	2.7	1.8	2.3	3.0	2.0	2.3	2.2	2.4	2.4
4 F H - 3245	2.6	1.8	3.0	1.8	2.3	2.8	1.0	2.0	2.2	2.0	2.0
5 F H - 3248	2.4	1.5	3.0	1.5	2.1	2.9	1.0	2.3	1.8	2.0	2.0
6 F H - 3277	2.8	2.0	2.3	1.8	2.2	3.1	2.0	2.0	1.8	2.2	2.2
7 F H - 3288	2.3	1.8	2.7	1.7	2.1	2.8	1.5	2.3	1.7	2.1	2.1
8 V L - 103	2.8	2.3	2.3	1.8	2.3	3.3	2.5	2.3	2.0	2.5	2.5
9 V L - 105	2.8	2.5	2.3	1.7	2.3	3.1	3.5	2.7	2.2	2.9	2.9
10 V L - 109	2.6	2.3	2.7	2.0	2.4	3.1	2.5	2.0	2.2	2.4	2.4
11 V L - 110	3.3	2.0	2.7	1.8	2.4	3.4	2.5	2.3	2.2	2.6	2.6
12 CHH. - 215	2.9	2.3	2.3	2.0	2.4	2.9	3.3	3.0	2.3	2.9	2.9
13 A H - 23029	2.6	2.0	2.3	1.8	2.2	3.1	2.0	2.3	1.8	2.3	2.3
14 A H - 23021	3.0	2.3	2.7	2.3	2.6	3.3	2.8	2.3	2.2	2.6	2.6
15 H K H - 1183	2.9	2.0	2.7	1.8	2.3	3.1	1.3	1.7	2.0	2.0	2.0
CHECKS:											
16 SURYA	3.3	2.0	2.3	2.0	2.4	3.3	2.5	3.0	2.2	2.7	2.7
17 AMAR	2.8	2.0	2.7	2.2	2.4	3.1	3.3	2.3	2.0	2.7	2.7
18 HIM - 129	2.8	1.8	3.0	1.7	2.3	3.1	2.0	2.3	2.0	2.4	2.4
MEAN LOCATION											
C.D. AT 5% =	2.7	2.0	2.6	1.9	2.3	3.1	2.3	2.3	2.0	2.4	2.4
C.V. % =	0.6	0.7	0.8	0.5	0.7	0.6	1.0	0.8	0.5	0.7	0.7
F (Prob)	16.0	24.3	19.4	15.3	-	12.7	30.7	20.9	15.2	-	-
	.198	.491	.746	.208	-	.644	.000	.188	.581	-	-

TABLE NO. 23 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 4			
		HYDE	KARI	MAND	COIM	KOLH	COIM	MAND	KARI	HYDE	KOLH	MEAN	MEAN
1	D E H - 105	180	172	169	164	160	169	73	70	83	70	73	74
2	D E H - 107	158	168	152	136	145	152	63	65	60	65	63	63
3	D E H - 111	183	161	148	145	145	156	64	73	88	73	67	71
4	F H - 3245	180	169	151	135	143	156	65	63	70	63	60	63
5	F H - 3248	173	160	147	124	135	148	55	66	85	66	62	65
6	F H - 3277	170	177	156	122	122	149	66	73	83	73	55	69
7	F H - 3288	175	162	148	121	150	151	64	52	85	52	56	63
8	V L - 103	173	168	148	140	160	157	63	68	75	68	64	67
9	V L - 105	173	169	151	131	170	159	59	72	83	72	80	70
10	V L - 109	178	153	154	131	170	157	60	60	83	60	53	67
11	V L - 110	175	166	169	127	115	150	68	66	78	66	61	67
12	CHH - 215	178	198	174	159	167	175	74	96	78	96	72	78
13	A H - 23029	178	167	166	154	147	162	73	72	88	72	78	76
14	A H - 23021	175	165	141	124	110	143	64	78	80	78	59	67
15	H K H - 1183	178	170	152	137	108	149	71	67	88	67	64	68
CHECKS:													
16	SURYA	185	171	154	140	145	159	68	68	90	68	68	72
17	AMAR	158	163	159	135	117	146	72	65	65	65	68	63
18	HIM - 129	173	158	152	120	115	143	53	61	80	61	55	59
MEAN LOCATION		174	167	155	136	140	155	65	68	80	68	62	64
C.D. AT 5%		8.0	14.9	26.9	8.0	7.0	13.0	17.3	14.5	9.5	14.5	6.1	11.2
C.V. %		3.2	6.3	10.5	4.2	3.0	-	16.0	15.0	8.3	15.0	7.0	-
F (Prob)		.000	.001	.580	.000	.000	-	.463	.001	.000	.001	.000	-

TABLE NO. 23 (CONT.)

SI NO	PEDIGREE	EAR No./PLANT					H.t.u.r.c. STAND AT HARVEST					ZN 4 MEAN	
		HYDE	KARI	MAND	COIM	KOLH	HYDE	KARI	MAND	COIM	KOLH		
1	D E H - 105	0.97	0.92	1.00	1.03	0.84	2.5	67	69	72	47	81	67
2	D E H - 107	1.05	0.97	1.00	0.95	0.85	2.0	64	72	64	56	82	68
3	D E H - 111	1.03	0.86	1.09	0.98	0.79	2.3	74	59	65	55	72	65
4	F H - 3245	1.03	0.95	1.01	1.03	1.00	2.0	71	69	68	47	72	65
5	F H - 3248	1.05	0.92	1.02	1.00	0.72	2.2	59	65	73	49	85	66
6	F H - 3277*	1.02	1.00	0.89	1.00	0.80	2.0	60	65	72	61	88	69
7	F H - 3288	1.02	0.97	1.01	1.02	0.85	2.0	67	65	65	54	86	67
8	V L - 103	1.03	0.95	1.02	0.99	0.74	2.3	65	68	66	43	86	66
9	V L - 105	1.02	0.97	0.98	1.00	0.97	2.0	59	58	65	45	73	60
10	V L - 109	1.03	1.02	0.98	0.98	0.95	2.2	55	60	60	47	84	61
11	V L - 110	1.03	0.96	1.03	0.97	0.90	1.8	58	59	60	46	88	62
12	CRH - 215	1.02	0.96	0.99	0.93	0.76	2.3	67	60	64	54	67	62
13	A H - 23029	1.06	0.93	1.00	0.95	0.88	2.2	58	69	60	59	74	64
14	A H - 23021	1.02	0.97	1.04	1.03	0.80	2.3	61	62	58	51	79	62
15	H K H - 1183	1.02	0.93	0.99	0.95	1.01	2.3	74	67	61	45	66	63
CHECKS:													
16	SURYA	1.02	0.94	1.02	0.95	0.93	2.5	68	70	55	52	83	66
17	AMAR	1.01	0.97	1.10	0.96	0.90	2.5	62	69	53	51	83	64
18	HIM - 129	1.01	0.97	1.11	1.04	0.85	1.8	52	71	55	47	86	62
MEAN LOCATION													
C.D. AT 5% =													
C.V.													
F (Prob)													
17.6 7.8 10.3 4.1 14.8 10.9													
19.6 8.4 9.8 5.8 11.2													
.438 .002 .007 .000 .050													

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

TABLE NO. 24

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT UDAIPUR, BANSWARA, GODHRA, CHHINDIWARA IN AET 1st YEAR, TRIAL NO. TR68Z5 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 5	
		UDAI	R	BANS	R	GODH	R	CHHI	R	MEAN	R	MEAN	R		
1	D E H - 105	3967	6	5638	1	3337	9	6320	6	4816	5				
2	D E H - 107	3249	8	4892	4	4286	5	4460	11	4222	10				
3	F H - 3245	4947	4	4453	7	3613	8	7529	2	5136	3				
4	F H - 3248	2370	12	3582	11	2769	11	5885	7	3652	11				
5	F H - 3277	5765	1	4460	6	2313	12	6464	5	4751	6				
6	F H - 3288	4563	5	3855	9	4861	2	6987	4	5067	4				
7	V L - 103	3826	7	3686	10	5292	1	5411	9	4554	7				
8	A H - 23029	5536	2	4334	8	3696	7	7059	3	5156	2				
9	H K H - 1183	2383	11	4771	5	4192	6	5575	8	4230	9				
CHECKS:															
10	SURYA	2761	10	3177	12	2880	10	4209	12	3257	12				
11	AMAR	2987	9	5306	2	4533	4	4735	10	4390	8				
12	HIM - 129	5166	3	5051	3	4846	3	8721	1	5946	1				
	MEAN YIELD=	3960		4434		3885		6113		4598					
	MEAN STAND	61		63		59		76		65					
	C.D. AT 5% =	345		1035		503		777		665					
	C.V. % =	5.16		16.27		9.03		8.85		-					
	F (Prob)	.000		.000		.000		.000		-					
	PLOT SIZE=	12.00		12.00		12.00		11.20		-					
AGRONOMY DATA:															
	SOWING DATE(2005)	1-07		30-06		8-07		8-07		-					
	HARVEST DATE(2005)	2-10		7-10		7-10		22-10		-					
	IRRIGATION NOS	-		-		1		-		-					
	FERTILIZER APPLIED	N	90	120		100		80		-					
		P	60	80		50		50		-					
		K	-	-		-		30		-					

TABLE NO. 24 (CONT.)

SL NO	PEDIGREE	GRAIN YIELD % SURYA					SUPERIORITY OVER THE					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	AMAR UDAI	BANS	GODH	CHHI		
1	DEH - 105	43.72	77.47	15.87	50.15	47.87	32.84	6.26	-	33.49	9.69	
2	DEH - 107	17.69	53.97	48.84	5.95	29.63	8.78	-	-	-	-	
3	FH - 3245	79.22	40.16	25.48	78.86	57.70	65.65	-	-	59.02	16.98	
4	FH - 3248	-	12.74	-	39.82	12.13	-	-	-	24.31	-	
5	FH - 3277	108.82	40.39	-	53.58	45.88	93.01	-	-	36.54	8.21	
6	FH - 3288	65.29	21.35	68.78	66.00	55.57	52.78	-	7.22	47.58	15.41	
7	VL - 103	38.59	16.02	83.77	28.54	39.83	28.10	-	16.75	14.28	3.73	
8	AH - 23029	100.55	36.42	28.33	67.69	58.33	85.37	-	-	49.09	17.45	
9	CHKH - 1183	-	50.19	45.55	32.45	29.90	-	-	-	17.75	-	
CHECKS:												
10	SURYA	-	-	-	-	-	-	-	-	-	-	
11	AMAR	8.19	67.02	57.41	12.48	34.80	-	-	-	-	-	
12	HIM - 129	87.14	58.99	68.26	107.19	82.58	72.98	-	6.89	84.20	35.44	

SL NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM - 129					POLLEN SHED 50%					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI		
1	DEH - 105	-	11.63	-	-	-	48.0	38.0	44.3	47.8	44.5	
2	DEH - 107	-	-	-	-	-	47.3	37.8	43.8	46.5	43.8	
3	FH - 3245	-	-	-	-	-	47.3	45.3	44.3	51.0	47.0	
4	FH - 3248	-	-	-	-	-	46.3	39.3	43.5	46.3	43.8	
5	FH - 3277	11.58	-	-	-	-	48.3	40.3	44.0	50.5	45.8	
6	FH - 3288	-	-	0.31	-	-	49.0	38.5	44.5	50.8	45.7	
7	VL - 103	-	-	9.22	-	-	48.3	40.0	44.5	48.5	45.3	
8	AH - 23029	7.16	-	-	-	-	52.7	44.5	49.8	52.8	49.9	
9	CHKH - 1183	-	-	-	-	-	49.3	42.8	47.8	50.3	47.5	
CHECKS:												
10	SURYA	-	-	-	-	-	-	-	-	-	-	
11	AMAR	-	5.05	-	-	-	48.7	41.0	45.5	48.3	45.9	
12	HIM - 129	-	-	-	-	-	51.3	41.8	46.5	51.0	47.6	
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
P (Prob) =												

TABLE NO. 24 (CONT.)

S1 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	DEH - 105	50.7	42.0	46.0	50.0	47.2	77.3	68.5	71.3	85.0	75.5
2	DEH - 107	50.7	41.3	45.8	48.8	46.6	76.0	71.0	69.0	82.5	74.6
3	FHH - 3245	50.0	48.5	46.3	51.8	49.1	82.3	74.8	68.3	85.0	77.6
4	FHH - 3248	50.3	42.8	45.5	47.5	46.5	76.0	70.8	69.5	86.5	75.7
5	FHH - 3277	51.3	44.3	47.0	51.0	48.4	81.3	68.8	71.8	88.5	77.6
6	FHH - 3288	50.7	41.8	47.0	51.3	47.7	81.0	66.0	72.8	89.0	77.2
7	VLL - 103	51.3	42.8	47.0	50.8	48.0	76.0	70.5	70.5	85.5	75.6
8	AHH - 23029	53.7	47.5	52.5	54.0	51.9	78.3	73.5	74.3	93.0	79.8
9	HKH - 1183	52.3	45.8	50.3	51.3	49.9	74.7	71.8	71.8	91.5	77.4
	CHECKS:										
10	SURYA	52.0	43.8	47.3	50.3	48.3	74.3	71.8	69.8	80.0	74.0
11	AMAR	52.7	44.8	48.8	51.8	49.5	77.0	69.5	68.8	84.5	74.9
12	HIM - 129	51.0	43.8	46.5	51.3	48.1	81.0	70.5	69.8	87.5	77.2
	MEAN LOCATION	51.4	44.1	47.5	50.8	48.4	77.9	70.6	70.6	86.5	76.4
	C.D. AT 5% =	0.9	2.7	1.0	1.1	1.4	2.1	3.1	2.2	1.3	2.2
	C.V. % =	1.0	4.3	1.5	1.5	1.0	1.6	3.0	2.2	1.0	1.0
	F (Prob)	.000	.000	.000	.000	-	.000	.000	.000	.000	-
S1 NO	PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	ZN 5 MEAN
1	DEH - 105	15.4	17.3	13.6	19.1	16.4	2.5	1.9	2.5	1.8	2.1
2	DEH - 107	14.9	17.0	13.0	19.6	16.1	2.7	2.3	2.3	2.0	2.3
3	FHH - 3245	16.6	16.6	14.1	16.8	16.0	1.9	2.3	2.8	1.5	2.1
4	FHH - 3248	14.9	16.0	14.1	16.7	15.4	2.9	2.3	2.5	1.8	2.3
5	FHH - 3277	15.8	16.8	13.4	17.8	15.9	1.9	2.4	3.0	1.5	2.2
6	FHH - 3288	15.4	16.1	14.7	18.3	16.1	1.7	2.5	1.5	1.0	1.7
7	VLL - 103	16.0	16.0	14.0	18.8	16.2	2.4	2.1	1.8	2.0	2.1
8	AHH - 23029	17.0	16.5	12.8	18.9	16.3	1.6	2.0	1.8	1.0	1.6
9	HKH - 1183	15.4	16.9	14.4	19.0	16.4	2.5	1.9	2.3	1.3	2.0
	CHECKS:										
10	SURYA	15.9	15.6	13.3	18.0	15.7	2.1	2.5	2.8	1.8	2.3
11	AMAR	16.1	17.5	13.5	19.7	16.7	2.3	2.0	2.3	1.5	2.0
12	HIM - 129	16.0	17.1	13.6	18.4	16.3	1.6	2.3	1.8	1.0	1.7
	MEAN LOCATION	15.8	16.6	13.7	18.4	16.1	2.2	2.2	2.3	1.5	2.0
	C.D. AT 5% =	0.6	1.2	0.9	1.0	0.9	0.4	0.4	0.7	0.2	0.4
	C.V. % =	2.2	5.0	4.4	3.7	-	11.8	12.1	21.2	10.6	-
	F (Prob)	.000	.045	.003	.000	-	.000	.014	.001	.000	-

TABLE NO. 24 (CONT.)

Sl NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	D E H - 105	2.0	2.1	3.3	1.3	2.2	3.0	1.8	2.2	2.2
2	D E H - 107	2.7	2.1	3.0	1.9	2.2	3.0	1.3	2.2	2.2
3	F H - 3245	2.0	2.1	3.3	1.5	1.7	3.0	1.0	1.9	1.9
4	F H - 3248	4.3	2.3	3.5	1.8	2.4	3.0	1.8	2.4	2.4
5	F H - 3277	2.0	2.3	2.8	1.4	1.6	3.5	1.0	1.9	1.9
6	F H - 3288	2.2	2.5	1.8	1.0	1.5	2.3	1.0	1.9	1.9
7	V L - 103	2.5	2.4	2.0	1.5	1.7	2.5	2.0	2.1	2.1
8	A H - 23029	1.7	1.9	2.5	1.0	1.7	3.0	1.3	1.9	1.9
9	H K H - 1183	3.7	2.0	2.3	1.6	2.3	3.0	1.5	2.2	2.2
CHECKS:										
10	SURYA	3.8	2.4	3.0	1.8	1.6	3.0	1.5	2.1	2.1
11	AMAR	2.9	2.1	2.8	1.6	1.9	2.3	1.0	1.9	1.9
12	HIM - 129	2.2	2.1	1.5	1.5	1.6	2.5	1.3	1.9	1.9
MEAN LOCATION										
	C.D. AT 5% =	2.7	2.2	2.5	1.5	1.9	2.8	1.4	2.1	2.1
	C.V. % =	0.5	0.5	0.6	0.3	0.6	0.5	0.3	0.4	0.4
	F (Prob) =	10.4	15.2	15.7	15.8	18.4	11.2	13.1	-	-
		.000	.406	.000	.000	.033	.000	.000	-	-

Sl NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	D E H - 105	2.5	2.1	2.5	1.5	156	184	129	148	154
2	D E H - 107	2.3	2.4	2.3	1.8	157	168	122	134	145
3	F H - 3245	1.5	2.3	3.0	1.5	145	161	119	153	144
4	F H - 3248	2.0	2.3	1.8	1.5	143	134	117	149	136
5	F H - 3277	2.2	2.0	2.8	1.0	142	148	133	149	143
6	F H - 3288	2.0	2.4	2.8	1.0	153	123	121	154	138
7	V L - 103	1.9	2.4	3.0	1.8	147	174	136	158	154
8	A H - 23029	1.8	2.1	3.0	1.0	142	188	135	161	156
9	H K H - 1183	1.9	2.3	3.0	1.3	146	171	127	154	149
CHECKS:										
10	SURYA	2.0	2.5	3.3	2.0	152	166	123	161	151
11	AMAR	2.1	2.0	2.8	1.8	150	164	134	156	151
12	HIM - 129	1.6	2.0	2.8	1.0	161	163	128	144	149
MEAN LOCATION										
	C.D. AT 5% =	2.0	2.2	2.7	1.4	25.6	12.7	11.0	20.0	17.3
	C.V. % =	0.6	0.5	0.6	0.3	10.1	5.5	6.0	9.2	-
	F (Prob) =	16.4	15.7	15.9	14.2	.868	.000	.010	.296	-
		.047	.510	.003	.000	-	-	-	-	-

TABLE NO. 24 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)				EAR No./PLANT				
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI
1	D E H - 105	68	76	44	68	64	1.01	0.95	1.03	0.96
2	D E H - 107	73	63	47	59	60	1.00	0.91	1.10	0.95
3	F H H - 3245	62	58	40	55	54	1.03	0.96	1.02	0.95
4	F H H - 3248	62	56	36	68	55	0.98	0.95	1.04	0.92
5	F H H - 3277	58	51	49	59	54	0.95	0.90	1.01	0.95
6	F H H - 3288	66	76	44	61	62	1.00	0.92	1.05	0.97
7	V L - 103	65	73	44	73	63	1.04	1.05	1.02	0.96
8	A H H - 23029	81	88	41	73	71	1.01	1.01	1.00	0.97
9	H K H - 1183	61	70	41	56	57	1.02	0.91	1.13	0.99
CHECKS:										
10	SURYA	64	65	42	84	64	1.03	1.09	1.02	0.97
11	AMAR	80	56	39	66	60	1.00	1.14	1.00	0.99
12	HIM - 129	59	50	39	54	50	1.05	1.01	1.02	0.91
MEAN LOCATION										
C.D. AT 5%		14.8	10.0	8.3	13.0	11.6	-	-	-	-
C.V. %		13.1	10.7	13.8	14.0	-	-	-	-	-
F (Prob)		.049	.000	.155	.001	-	-	-	-	-

SI NO	PEDIGREE	STAND AT HARVEST				Zn 5 MEAN				
		UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1	D E H - 105	54	64	67	76	65	67	58	74	
2	D E H - 107	60	70	60	76	66	60	70	75	
3	F H H - 3245	59	63	52	74	62	57	64	76	
4	F H H - 3248	62	59	57	77	64	58	62	78	
5	F H H - 3277	56	55	58	77	62	59	67	77	
6	F H H - 3288	76	58	59	77	67	67	65	77	
7	V L - 103	52	66	57	77	65	58	67	77	
8	A H H - 23029	72	59	58	77	67	59	67	75	
9	H K H - 1183	60	58	59	75	63	59	63	75	
CHECKS:										
10	SURYA	51	55	52	74	58	52	58	74	
11	AMAR	64	71	53	75	66	62	70	75	
12	HIM - 129	69	74	62	75	70	62	70	76	
MEAN LOCATION										
C.D. AT 5%		11.6	11.2	7.9	4.3	8.7	7.9	4.3	3.9	
C.V. %		11.2	12.4	9.3	3.9	-	9.3	3.9	688	
F (Prob)		.003	.013	.004	.688	-	.004	-	-	

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

TABLE NO. 25

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT DELHI (IARI), LUDHIANA, KARNAL, KANPUR IN AET 2nd YEAR, TRIAL NO. TR69Z2 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE SEEDTEC - 2324								
		DELH	R	LUDH	R	KARN	R	KANP	R	ZN 2 MEAN	R	DELH	LUDH	KARN	KANP	ZN 2 MEAN
1	J H - 10655	3782	1	9335	1	6794	1	6819	3	6682	1	38.79	44.21	52.85	0.27	30.75
2	B H - 3313	1229	6	3532	6	2980	6	5435	6	3294	6	-	-	-	-	-
CHECKS:																
3	SEEDTEC - 2324	2725	3	6473	4	4445	5	6800	4	5111	3	-	-	-	-	-
4	BIO - 9681	2229	5	6538	3	5001	2	5941	5	4927	5	-	0.99	12.50	-	-
5	PRO - 311	2945	2	7373	2	4839	3	7387	1	5636	2	8.09	13.89	8.86	8.62	10.27
6	PARBHAT	2398	4	5641	5	4671	4	7141	2	4963	4	-	-	5.09	5.01	-
	MEAN YIELD=	2551		6482		4788		6587		5102						
	MEAN STAND	68		88		92		112		90						
	C.D. AT 5%	643		1223		98		173		534						
	C.V. %	14.02		12.65		1.14		1.76		-						
	F (Prob)	.000		.000		.000		.000		-						
	PLOT SIZE=	18.75		16.80		18.00		18.00		-						
AGRONOMY DATA:																
	SOWING DATE(2005)	9-07		1-07		28-06		1-07		-						
	HARVEST DATE(2005)	-		10-10		3-10		10-05		-						
	IRRIGATION NOS	4		7		4		-		-						
	FERTILIZER APP.N	100		150		150		80		-						
	P	80		60		60		40		-						
	K	60		30		40		40		-						

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : PANT 27.4%

TABLE NO. 25 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE						Zn 2 MEAN			
		DELH	LUDH	KARN	KANP	DELH	LUDH				
1	J H - 10655	69.69	42.79	35.86	14.78	35.63	28.40	26.62	40.41	-	18.57
2	B H - 3313	-	-	-	-	-	-	-	-	-	-
CHECKS:											
3	SEEDTEC - 2324	22.26	-	-	14.46	3.73	-	-	-	-	-
4	BIO - 9681	-	-	-	-	-	-	-	3.35	-	-
5	PRO - 311	32.16	12.77	-	24.33	14.39	-	-	-	-	-
6	PARBHAT	7.58	-	-	20.20	0.72	-	-	-	-	-

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT						Zn 2 MEAN	DAYS TO 50% POLLEN SHED		
		DELH	LUDH	KARN	KANP	DELH	LUDH		KARN	KANP	Zn 2 MEAN
1	J H - 10655	57.73	65.49	45.45	-	-	34.65	54.5	51.3	59.3	55.0
2	B H - 3313	-	-	-	-	-	-	53.3	50.7	59.0	54.3
CHECKS:											
3	SEEDTEC - 2324	13.64	14.76	-	-	-	2.99	54.5	53.7	57.5	55.2
4	BIO - 9681	-	15.89	7.05	-	-	-	52.3	48.7	55.8	52.2
5	PRO - 311	22.84	30.70	3.59	3.44	13.56	-	54.8	52.0	60.0	55.6
6	PARBHAT	-	-	-	-	-	-	54.0	50.3	56.0	53.4
MEAN LOCATION											
C.D. AT 5%		-	-	-	-	-	-	1.1	0.7	1.2	1.0
C.V. %		-	-	-	-	-	-	1.3	0.8	1.4	-
F (Prob)		-	-	-	-	-	-	.001	.000	.000	-

TABLE NO. 25 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% SILKING			DAYS TO 50% DRY HUSK			MOISTURE % AT HARVEST		
	LUDH	KARN	MEAN	LUDH	KARN	MEAN	DELH	LUDH	MEAN
1 J H - 10655	56.5	53.3	57.5	88.5	89.3	91.4	32.1	22.3	27.2
2 B H - 3313	56.3	53.7	57.4	89.3	91.0	91.6	25.5	22.5	24.0
CHECKS:									
3 SEEDTEC - 2324	57.0	55.7	57.9	89.3	93.7	92.1	32.3	24.3	28.3
4 BIO - 9681	53.8	51.3	54.7	87.3	87.3	88.8	26.8	21.5	24.2
5 PRO - 311	56.8	54.3	58.2	87.0	89.7	91.1	32.1	23.1	27.6
6 PARBHAT	56.3	52.7	56.1	89.0	93.3	91.3	31.8	24.5	28.1
MEAN LOCATION									
C.D. AT 5% =	1.4	0.7	1.1	1.7	0.9	1.3	4.3	0.7	2.5
C.V. % =	1.7	0.8	1.2	1.3	0.5	1.0	7.9	2.1	-
F (Prob)	.002	.000	.000	.039	.000	.000	.015	.000	-

S1 NO PEDIGREE	PLANT ASP.*			EAR ASPECT *			HUSK COV.*			UNIFO -RMITY*			PLANT HEIGHT (CM)		
	KANP	DELH	MEAN	KANP	DELH	MEAN	KANP	DELH	MEAN	KANP	DELH	MEAN	LUDH	KARN	MEAN
1 J H - 10655	3.0	1.5	2.3	3.0	3.0	3.0	3.1	3.3	3.0	190	215	203	218	189	203
2 B H - 3313	3.5	3.2	3.3	3.4	3.3	3.3	3.3	3.3	3.3	135	161	162	192	160	162
CHECKS:															
3 SEEDTEC - 2324	3.1	2.2	2.5	2.9	2.9	2.9	3.0	3.0	2.9	160	179	176	183	180	176
4 BIO - 9681	3.1	2.2	2.6	3.1	3.1	3.1	3.3	3.3	3.1	182	191	188	198	180	188
5 PRO - 311	2.1	2.2	2.2	2.3	2.2	2.2	2.0	2.0	2.1	163	183	178	190	176	178
6 PARBHAT	2.4	2.2	2.3	2.4	2.3	2.3	2.4	2.4	2.3	175	196	193	210	190	193
MEAN LOCATION															
C.D. AT 5% =	0.3	0.7	0.6	0.4	0.4	0.6	0.3	0.3	0.5	19.2	12.0	11.8	12.8	3.0	11.8
C.V. % =	7.6	18.2	10.2	10.2	10.2	10.2	8.1	8.1	11.5	6.3	4.2	3.6	3.6	1.1	3.6
F (Prob)	.000	.013	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.000	.000

TABLE NO. 25 (CONT.)

Sl NO PEDIGREE	EAR HEIGHT (cm)				EAR NO./PLANT				STAND AT HARVEST				ZN 2					
	DELH	LUDH	KARN	KANP	DELH	LUDH	KARN	KANP	DELH	LUDH	KARN	KANP	DELH	LUDH	KARN	KANP	MEAN	MEAN
1 J H - 10655	87	115	127	80	102	0.95	1.02	71	76	92	114	88						
2 B H - 3313	52	74	107	60	73	0.98	0.94	47	78	81	109	79						
CHECKS:																		
3 SEEDTEC - 2324	75	89	118	77	90	0.79	1.02	73	90	90	112	91						
4 BIO - 9681	68	85	107	67	82	1.00	1.01	66	90	95	111	91						
5 PRO - 311	90	100	117	70	94	0.99	1.00	76	113	105	115	102						
6 PARBHAT	75	98	122	84	95	0.85	0.95	77	82	90	114	90						
MEAN LOCATION	74	93	116	73	89	-	-	68	88	92	112	90						
C.D. AT 5%	10.1	13.6	12.6	3.9	10.0	-	-	14.8	14.0	7.4	2.3	9.6						
C.V. %	7.5	9.7	6.0	3.5	-	-	-	11.9	10.6	4.4	1.4	-						
F (Prob)	.000	.000	.028	.000	-	-	-	.009	.001	.001	.001	.001						

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

TABLE NO. 26

PERFORMANCE OF FULL SEASON COMPOSITES AT KARIMNAGAR, ARB1HAVI, ARB2HAVI, MANDYA, COIMBATORE, KOLHAPUR IN ART 2nd YEAR, TRIAL NO. TR69Z4 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															ZN 4	
		KARI	R	ARB1	R	ARB2	R	MAND	R	COIM	R	KOLH	R	MEAN	R			
1	J C - 1441 C3 FS	7156	4	5981	4	5942	4	5121	5	4291	5	3094	2	5264	4			
CHECKS:																		
2	SEEDTEC - 2324	7787	3	6626	2	7289	2	6156	2	6447	2	3032	3	6223	1			
3	BIO - 9681	8066	2	7087	1	7302	1	5858	3	5423	3	3122	1	6143	3			
4	PRO - 311	9543	1	6548	3	6385	3	6321	1	5657	2	2830	4	6214	2			
5	PARBHAT	6545	5	5321	5	5617	5	5827	4	4293	4	2283	5	4981	5			
	MEAN YIELD=	7820		6313		6507		5856		5222		2872		5765				
	MEAN STAND	97		97		92		84		92		92		93				
	C.D. AT 5%	1042		1143		1562		1643		586		721		1116				
	C.V. %	8.79		11.94		15.83		15.19		7.40		16.54		-				
	F (Prob)	.000		.017		.080		.309		.000		.064		-				
	PLOT SIZE=	18.00		22.50		22.50		21.00		14.40		22.50		-				
AGRONOMY DATA:																		
	SOWING DATE (2005)	9-07		14-07		14-07		6-08		2-07		4-07		-				
	HARVEST DATE (2005)	28-10		25-11		25-11		8-12		24-10		8-11		-				
	IRRIGATION Nos	2		4		4		5		11		-		-				
	FERTILIZER APPLIED N	180		150		150		150		135		120		-				
	P	60		75		75		75		63		60		-				
	K	30		38		38		40		50		40		-				

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : HYDE 28.8%

TABLE NO. 26 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PARBHAT							ZN 4
		KARI	ARB1	ARB2	MAND	COIM	KOLH	MEAN	
1	J C - 1441 C3 FS	9.34	12.40	5.79	-	-	35.55	5.69	
CHECKS:									
2	SEEDTEC - 2324	18.98	24.53	29.75	5.65	50.20	32.82	24.94	
3	BIO - 9651	23.24	33.20	30.00	0.54	26.33	36.75	23.33	
4	PRO - 311	45.81	23.06	13.68	8.49	31.78	23.96	24.76	
5	PARBHAT	-	-	-	-	-	-	-	

Sl NO	PEDIGREE	DAYS TO 50% POLLEN SHED							ZN 4
		KARI	ARB1	ARB2	MAND	COIM	KOLH	MEAN	
1	J C - 1441 C3 FS	51.8	61.5	62.0	54.3	53.3	62.0	57.5	
CHECKS:									
2	SEEDTEC - 2324	52.0	61.3	61.8	54.0	54.5	62.8	57.7	
3	BIO - 9681	49.3	59.0	59.8	53.3	51.8	61.3	55.7	
4	PRO - 311	52.0	61.5	61.8	54.3	53.8	63.8	57.8	
5	PARBHAT	51.5	62.3	62.5	53.7	55.0	63.5	58.1	
MEAN LOCATION									
	C.D. AT 5%	1.7	1.3	1.1	1.9	0.7	1.3	1.3	
	C.V. %	2.2	1.4	1.2	1.8	0.8	1.4	-	
	F (Prob)	.020	.002	.002	.682	.000	.008	-	

DAYS TO 50% SILKING

Sl NO	PEDIGREE	DAYS TO 50% SILKING							ZN 4
		KARI	ARB1	ARB2	MAND	COIM	KOLH	MEAN	
1	J C - 1441 C3 FS	55.0	63.0	63.0	55.7	58.0	63.8	59.7	
CHECKS:									
2	SEEDTEC - 2324	55.3	61.3	62.0	55.3	57.8	64.0	59.3	
3	BIO - 9681	51.3	60.3	60.0	55.0	55.5	62.5	57.4	
4	PRO - 311	54.5	61.3	62.0	54.7	57.8	65.0	59.2	
5	PARBHAT	54.0	60.8	65.3	56.3	60.0	64.5	60.1	
MEAN LOCATION									
	C.D. AT 5%	2.0	1.3	1.8	3.6	0.7	1.1	1.7	
	C.V. %	2.4	1.3	1.9	3.4	0.8	1.1	-	
	F (Prob)	.007	.005	.001	.844	.000	.003	-	

TABLE NO. 26 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				ZN 4		
	KARI	MAND	COIM	KOLH	MEAN	ARB1	ARB2	MAND	KOLH	MEAN	MEAN
1 J C - 1441 C3 FS	93	95	103	98	97	21.8	24.6	18.5	16.1	20.2	
CHECKS:											
2 SEEDTEC - 2324	95	94	103	99	98	27.8	26.0	19.3	17.1	22.5	
3 BIO - 9681	92	93	101	97	96	22.0	21.5	18.7	17.4	19.9	
4 PRO - 311	95	95	103	99	98	24.3	22.5	18.9	16.2	20.5	
5 PARBHAT	92	94	105	99	97	24.7	24.7	17.9	17.7	21.2	
MEAN LOCATION	93	94	103	98	97	24.1	23.9	18.7	16.9	20.9	
C.D. AT 5%=	1.5	2.9	0.7	1.6	1.7	1.9	1.1	1.0	0.5	1.1	
C.V. % =	1.1	1.6	0.4	1.1	-	5.1	3.0	2.8	2.1	-	
F (Prob)	.002	.461	.000	.026	-	.000	.000	.101	.000	-	

S1 NO PEDIGREE	PLANT ASPECT *				EAR ASPECT *				ZN 4			
	KARI	ARB1	ARB2	COIM	KOLH	MEAN	KARI	ARB1	ARB2	MAND	COIM	KOLH
1 J C - 1441 C3 FS	2.8	2.5	2.5	3.0	1.8	2.5	2.3	3.0	3.0	2.7	4.0	1.9
CHECKS:												
2 SEEDTEC - 2324	2.3	2.0	2.0	2.0	1.8	2.0	1.3	2.3	2.5	2.3	3.0	1.5
3 BIO - 9681	2.8	2.3	2.3	2.0	1.8	2.2	2.0	3.0	2.8	2.7	3.0	1.5
4 PRO - 311	2.3	2.3	2.0	2.0	1.9	2.1	2.0	2.5	2.5	2.7	3.0	1.8
5 PARBHAT	2.8	2.5	2.5	3.0	1.8	2.5	2.5	3.0	2.5	2.7	3.0	2.1
MEAN LOCATION	2.5	2.3	2.3	2.4	1.8	2.3	2.0	2.8	2.7	2.6	3.2	1.8
C.D. AT 5%=	0.9	0.2	0.1	0.0	0.5	0.3	0.6	0.1	0.4	1.2	0.0	0.4
C.V. % =	23.7	4.9	4.1	0.0	17.4	-	20.9	3.3	10.3	24.8	0.0	15.4
F (Prob)	.538	.000	.000	.000	.968	-	.013	.000	.084	.953	.000	.031

TABLE NO. 26 (CONT.)

S1 NO	PEDIGREE	HUSK COVER *				UNIFORMITY *				ZN 4 MEAN	KOLH	COIM	MAND	ARB2	ARB1	KARI	ZN 4 MEAN	KOLH	COIM	MAND	ARB2	ARB1	KARI	ZN 4 MEAN	KOLH	COIM	MAND	ARB2	ARB1	KARI	ZN 4 MEAN	
		KARI	ARB1	ARB2	MAND	COIM	KOLH	FS	2.3																							2.0
1	J C - 1441 C3 FS	2.3	2.3	2.3	2.7	3.0	2.0	2.4	3.0	2.0	2.4	3.0	2.0	3.0	2.5	2.0	2.4	3.0	2.0	3.0	2.0	3.0	2.5	2.0	3.0	2.0	3.0	2.5	2.0	3.0	2.3	2.6
2	CHECKS:																															
3	SEEDTEC - 2324	1.5	2.0	2.0	3.0	2.3	1.8	2.1	3.0	1.8	2.1	3.0	1.8	2.3	2.0	2.0	2.1	3.0	2.3	2.0	2.0	3.0	1.3	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.4	
4	BIO - 9681	2.0	2.3	2.0	3.0	2.0	1.6	2.1	3.0	1.6	2.1	3.0	1.6	2.3	2.0	2.0	2.1	3.0	2.3	2.0	2.0	2.3	2.3	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.4	
5	PRO - 311	2.3	2.0	2.0	3.0	2.0	1.9	2.2	3.0	1.9	2.2	3.0	1.9	2.3	2.0	2.0	2.2	3.0	2.3	2.0	2.0	2.5	2.3	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.4	
	PARBHAT	2.0	2.1	2.1	2.9	2.3	1.8	2.2	3.0	1.8	2.2	3.0	1.8	2.3	2.0	2.0	2.2	3.0	2.3	2.0	2.0	2.5	2.3	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.4	
	MEAN LOCATION	0.7	0.2	0.2	0.7	0.3	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.3	0.1	0.0	0.5	0.3	0.3	0.1	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
	C.V. at 5% =	22.8	6.9	6.2	13.5	9.9	18.1	18.1	9.9	18.1	18.1	9.9	18.1	9.9	0.1	0.0	16.2	9.9	9.9	0.1	0.0	16.2	9.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
	F (Prob)	.194	.038	.038	.633	.000	.568	.568	.000	.568	.568	.000	.568	.000	.000	.000	.445	.000	.000	.000	.000	.445	.000	.000	.000	.000	.000	.000	.445	-		
		PLANT HEIGHT (cm)																														
		EAR HEIGHT (cm)																														
S1 NO	PEDIGREE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	
1	J C - 1441 C3 FS	195	198	191	173	189	96	89	92	75	88	78	99	80	75	83	68	92	90	80	75	83	79	92	90	80	75	84	89	89	84	
2	CHECKS:																															
3	SEEDTEC - 2324	181	193	172	169	179	78	99	80	75	83	68	92	90	80	75	83	79	92	90	80	75	83	79	92	90	80	75	84	89	84	
4	BIO - 9681	174	194	190	165	181	68	92	80	75	83	68	92	90	80	75	83	79	92	90	80	75	83	79	92	90	80	75	84	89	84	
5	PRO - 311	179	194	185	166	181	77	102	95	81	89	82	92	95	81	89	82	92	95	81	89	89	77	102	95	81	89	84	89	84	89	
	PARBHAT	186	207	203	175	193	80	95	87	76	84	80	95	87	76	84	80	95	87	76	84	84	80	95	87	76	84	89	84	89	84	
	MEAN LOCATION	19.8	14.1	10.1	9.2	13.3	8.9	18.4	4.6	9.4	10.3	7.2	10.3	3.4	8.1	10.3	7.2	10.3	3.4	8.1	10.3	7.2	10.3	3.4	8.1	10.3	3.4	8.1	10.3	3.4	8.1	
	C.V. at 5% =	17.0	3.8	3.5	3.5	3.5	7.0	4.94	.000	.387	3.5	7.0	4.94	.000	.387	3.5	7.0	4.94	.000	.387	3.5	7.0	4.94	.000	.387	3.5	7.0	4.94	.000	.387	3.5	
	F (Prob)	.256	.245	.000	.161	.161	.000	.494	.000	.387	.161	.000	.494	.000	.387	.161	.000	.494	.000	.387	.161	.000	.494	.000	.387	.161	.000	.387	.161	.000	.387	
		H.turc. STAND AT HARVEST																														
S1 NO	PEDIGREE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	KARI	MAND	COIM	KOLH	ZN 4 MEAN	
1	J C - 1441 C3 FS	1.04	1.02	0.94	0.89	1.8	101	102	99	74	96	101	102	99	74	96	101	102	99	74	96	101	102	99	74	96	101	102	99	74	96	
2	CHECKS:																															
3	SEEDTEC - 2324	0.96	1.03	0.95	0.85	1.8	90	78	81	85	89	90	78	81	85	89	90	78	81	85	89	90	78	81	85	89	90	78	81	85	89	
4	BIO - 9681	0.99	1.01	0.96	0.97	1.8	101	107	101	87	86	101	107	101	87	86	101	107	101	87	86	101	107	101	87	86	101	107	101	87	86	
5	PRO - 311	0.98	1.03	0.94	1.04	1.8	102	100	91	86	100	102	100	91	86	100	102	100	91	86	100	102	100	91	86	100	102	100	91	86	100	
	PARBHAT	1.02	1.02	0.98	0.91	1.8	97	97	92	84	92	97	97	92	84	92	97	97	92	84	92	97	97	92	84	92	97	97	92	84	92	
	MEAN LOCATION	-	-	-	-	0.4	15.0	15.0	14.1	5.9	4.8	15.0	15.0	14.1	5.9	4.8	15.0	15.0	14.1	5.9	4.8	15.0	15.0	14.1	5.9	4.8	15.0	15.0	14.1	5.9	4.8	
	C.V. at 5% =	-	-	-	-	14.8	10.1	10.0	9.9	3.7	3.4	10.1	10.0	9.9	3.7	3.4	10.1	10.0	9.9	3.7	3.4	10.1	10.0	9.9	3.7	3.4	10.1	10.0	9.9	3.7	3.4	
	F (Prob)	-	-	-	-	.000	.287	.009	.061	.002	.000	.287	.009	.061	.002	.000	.287	.009	.061	.002	.000	.287	.009	.061	.002	.000	.287	.009	.061	.002	.000	
		* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)																														

TABLE NO. 27

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT BAJAURA, KANGRA, PANTNAGAR IN AET 2nd YEAR, TRIAL NO. TR70Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE K H - 510			ZN 1 MEAN	
		BAJA	R	KANG	R	PANT	R	BAJA	KANG	PANT		
1	B H - 3443	5310	7	2305	7	3908	1	3841	6	-	45.23	-
2	KAVERI - 2288	8047	4	2325	6	3657	4	4676	4	4.48	35.91	4.57
3	P M Z - 136	8720	2	2491	5	3046	5	4753	3	13.22	13.21	6.28
4	S M H - 3758	9029	1	3116	1	3774	2	5306	1	17.23	40.24	18.66
5	B I O - 22069	8583	3	2726	3	3739	3	5016	2	11.44	38.96	12.17
CHECKS:												
6	K H - 510	7702	5	3023	2	2691	7	4472	5	-	-	-
7	NAVJOT	5936	6	2522	4	2741	6	3733	7	-	1.85	-
	MEAN YIELD=	7618		2644		3365		4543				
	MEAN STAND	86		81		78		81				
	C.D. AT 5%=	769		311		850		643				
	C.V. % =	6.85		7.97		17.12		-				
	F (Prob)	.000		.000		.004		-				
	PLOT SIZE=	14.40		12.00		22.50		-				
AGRONOMY DATA:												
	SOWING DATE(2005)	9-07		20-06		8-07		-				
	HARVEST DATE(2005)	22-10		-		1-10		-				
	IRRIGATION Nos	2		-		1		-				
	FERTILIZER APPLIED N	120		80		120		-				
	P	60		60		60		-				
	K	40		40		40		-				

TABLE NO. 27 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT			DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING				
		BAJA	KANG	PANT	ZN 1 MEAN	BAJA	KANG	MEAN	BAJA	KANG	PANT	ZN 1 MEAN
1	B H - 3443	-	-	42.59	2.89	57.5	60.3	58.9	60.0	63.3	56.8	60.0
2	KAVERI - 2288	35.55	-	33.44	25.26	56.8	53.8	55.3	59.3	56.8	53.3	56.4
3	P M Z - 136	46.90	-	11.15	27.31	57.0	56.0	56.5	59.5	59.0	53.5	57.3
4	S M H - 3758	52.10	23.54	37.69	42.14	56.8	54.5	55.6	58.8	57.8	53.3	56.6
5	B I O - 22069	44.59	8.09	36.43	34.37	54.8	55.8	55.3	57.0	58.8	53.5	56.4
CHECKS:												
6	K H - 510	29.74	19.84	-	19.79	58.8	55.0	56.9	61.0	58.3	53.5	57.6
7	NAVJOT	-	-	-	-	54.3	54.3	54.3	56.5	57.5	53.0	55.7
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
F (Prob) =												

SI NO	PEDIGREE	DAYS TO 50% SILKING			DAYS TO 50% DRY HUSK			MOISTURE % AT HARVEST				
		BAJA	KANG	PANT	ZN 1 MEAN	BAJA	KANG	MEAN	BAJA	KANG	PANT	ZN 1 MEAN
1	B H - 3443	60.0	63.3	56.8	60.0	95.8	96.5	96.1	26.0	20.1	28.2	24.8
2	KAVERI - 2288	59.3	56.8	53.3	56.4	97.5	99.0	98.3	25.0	20.6	31.9	25.9
3	P M Z - 136	59.5	59.0	53.5	57.3	93.5	97.3	95.4	25.6	21.5	27.7	24.9
4	S M H - 3758	58.8	57.8	53.3	56.6	97.8	98.8	98.3	23.4	19.8	32.5	25.2
5	B I O - 22069	57.0	58.8	53.5	56.4	93.0	96.8	94.9	25.7	21.0	30.0	25.5
CHECKS:												
6	K H - 510	61.0	58.3	53.5	57.6	96.0	96.5	96.3	22.7	19.3	34.1	25.4
7	NAVJOT	56.5	57.5	53.0	55.7	94.3	96.3	95.3	23.3	21.6	28.7	24.5
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
F (Prob) =												

TABLE NO. 27. (CONT.)

Sl NO	PEDIGREE	PLANT ASP.*		EAR ASP.*		UNIFO -RMITTY*		PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 1 MEAN
		BAJA	BAJA	BAJA	BAJA	BAJA	KANG	PANT	MEAN	BAJA	KANG	PANT	ZN 1 MEAN	
1	B H - 3443	2.6	2.5	2.5	2.5	2.03	176	188	189	111	79	90	93	
2	KAVERI - 2288	2.0	1.6	2.1	2.1	245	179	227	217	139	75	96	103	
3	P M Z - 136	1.8	1.5	2.0	2.0	215	188	207	203	115	73	90	92	
4	S M H - 3758	2.0	1.6	2.4	2.4	240	198	233	224	125	88	102	105	
5	B I O - 22069	1.9	1.5	2.1	2.1	218	186	218	207	118	78	92	96	
CHECKS:														
6	K H - 510	2.1	1.9	2.3	2.3	211	175	206	198	121	74	84	93	
7	NAVJOT	2.4	2.5	2.5	2.5	219	171	211	201	123	69	93	95	
MEAN LOCATION														
	C.D. AT 5%	0.3	0.3	0.3	0.3	222	182	213	205	122	76	92	97	
	C.V. %	10.6	9.2	8.8	8.8	22.7	11.1	14.5	16.1	15.5	9.5	13.3	12.8	
	F (Prob)	.000	.000	.011	.011	6.9	4.1	4.6	-	8.6	8.4	9.7	-	
						.010	.001	.000	-	.037	.019	.210	-	

H.turc. H.may. STAND AT HARVEST														
Sl NO	PEDIGREE	BAJA		BAJA		STAND AT HARVEST			ZN 1 MEAN					
		BAJA	BAJA	BAJA	KANG	PANT	MEAN	BAJA	KANG	PANT	MEAN			
1	B H - 3443	3.9	2.0	85	83	75	81	85	83	75	81			
2	KAVERI - 2288	2.0	1.5	91	81	72	81	91	81	72	81			
3	P M Z - 136	1.1	1.5	80	81	73	78	80	81	73	78			
4	S M H - 3758	2.1	1.6	80	84	74	79	80	84	74	79			
5	B I O - 22069	1.5	1.5	92	77	100	89	92	77	100	89			
CHECKS:														
6	K H - 510	1.8	1.5	84	80	73	79	84	80	73	79			
7	NAVJOT	2.5	2.0	88	80	80	82	88	80	80	82			
MEAN LOCATION														
	C.D. AT 5%	0.5	0.1	8.6	6.9	15.8	10.5	8.6	6.9	15.8	10.5			
	C.V. %	16.8	5.7	6.8	5.8	13.7	-	6.8	5.8	13.7	-			
	F (Prob)	.000	.000	.049	.562	.019	-	.049	.562	.019	-			

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

TABLE NO. 28

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT DELHI (IARI), KARNAL, KANPUR IN AET 2nd YEAR, TRIAL NO. TR7022 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE					
		DELH	R	KARN	R	KANP	R
1	B H - 3443	2193	5	2387	5	5612	3
2	P M Z - 136	2894	3	4101	3	5176	5
3	B I O - 22069	3225	1	5315	1	5959	1
CHECKS:							
4	K H - 510	3210	2	4755	2	5630	2
5	NAVJOT	2729	4	3489	4	5412	4
	MEAN YIELD=	2850		4009		5558	
	MEAN STAND	66		80		92	
	C.D. AT 5% =	911		92		504	
	C.V. % =	17.31		1.25		5.98	
	F (Prob)	.112		.000		.011	
	PLOT SIZE =	15.00		18.00		18.00	
AGRONOMY DATA:							
	SOWING DATE (2005)	9-07		28-06		1-07	
	HARVEST DATE (2005)	-		3-10		5-10	
	IRRIGATION NOS	4		4		-	
	FERTILIZER APPLIED N	100		150		80	
	P	80		60		40	
	K	60		40		40	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : LU DH 27.9%

Sl No	PEDIGREE	GRAIN YIELD		* SUP E R I O R I T Y		O V E R T H E	
		DELH	KARN	NAVJOT	KARN	KANP	ZN 2 MEAN
1	B H - 3443	-	-	-	-	3.69	-
2	P M Z - 136	-	-	-	17.54	-	4.65
3	B I O - 22069	0.48	11.77	5.84	52.34	10.10	24.67
CHECKS:							
4	K H - 510	-	-	-	36.29	4.03	16.90
5	NAVJOT	-	-	-	-	-	-

TABLE NO. 28 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING			DAYS TO 50% DRY HUSK			
	DELH	KARN	ZN 2 MEAN	DELH	KARN	KANP	ZN 2 MEAN	KARN	KANP	ZN 2 MEAN
1 B H - 3443	50.0	52.0	51.0	52.0	54.3	55.0	53.8	90.0	79.5	84.8
2 P M Z - 136	49.0	48.3	48.7	51.0	50.7	52.0	51.2	87.0	78.0	82.5
3 B I O - 22069	48.0	48.3	48.2	50.0	51.3	54.0	51.8	85.0	76.0	80.5
CHECKS:										
4 K H - 510	53.0	49.0	51.0	55.7	51.0	54.0	53.6	87.3	79.0	83.2
5 NAVJOT	48.0	47.3	47.7	50.0	49.3	56.0	51.8	86.3	78.0	82.2
MEAN LOCATION										
C.D. AT 5% =	49.6	49.0	49.3	51.7	51.3	54.2	52.4	87.1	78.1	82.6
C.V. % =	2.9	0.6	1.7	3.3	1.0	0.0	1.4	1.3	3.4	2.4
F (Prob)	3.1	0.6	-	3.4	1.0	0.0	-	0.8	2.9	-
	.019	.000	-	.020	.000	.000	-	.000	.280	-

S1 NO PEDIGREE	MOIST PLANT -URE % ASP.			EAR ASPECT *			HUSK UNIFO COV. -RMITY *			
	DELH	KARN	ZN 2 MEAN	DELH	KARN	KANP	ZN 2 MEAN	KARN	KANP	ZN 2 MEAN
1 B H - 3443	32.8	2.4	2.4	2.2	2.0	2.0	2.1	2.0	2.4	2.4
2 P M Z - 136	18.9	3.0	3.0	1.8	3.1	2.5	2.5	3.3	3.1	3.1
3 B I O - 22069	28.0	2.5	2.5	1.5	2.5	2.0	2.0	2.5	2.5	2.5
CHECKS:										
4 K H - 510	27.5	2.5	2.5	1.8	2.5	2.2	2.2	2.5	2.5	2.5
5 NAVJOT	21.9	3.0	3.0	2.2	2.5	2.3	2.3	2.5	3.0	3.0
MEAN LOCATION										
C.D. AT 5% =	25.8	2.7	2.7	1.9	2.5	2.2	2.2	2.5	2.7	2.7
C.V. % =	3.6	0.2	0.2	0.8	0.2	0.5	0.5	0.2	0.2	0.2
F (Prob)	7.5	4.2	4.2	23.3	4.4	-	-	5.1	5.6	-
	.000	.000	.000	.385	.000	.000	-	.000	.000	.000

TABLE NO. 28 (CONT.)

SI NO	PEDIGREE	PLANT HEIGHT (CM)			EAR HEIGHT (CM)			ZN 2 MEAN	EAR NO. / PLANT DELH
		DELH	KARN	KANP	DELH	KARN	KANP		
1	B H - 3443	163	198	177	78	117	70	88	0.92
2	P M Z - 136	155	203	164	70	108	65	81	1.09
3	B I O - 22069	165	208	166	70	100	63	78	0.88
CHECKS:									
4	K H - 510	153	210	174	72	107	63	80	0.95
5	NAVJOT	170	197	174	80	112	68	86	0.97
MEAN LOCATION		161	203	171	74	109	65	83	-
C.D. AT 5% =		24.9	7.4	5.3	21.0	14.2	7.6	14.2	-
C.V. % =		8.2	1.9	2.0	15.1	6.9	7.5	-	-
F (Prob)		.535	.011	.001	.700	.185	.264	-	-

SI NO	PEDIGREE	STAND AT HARVEST			ZN 2 MEAN
		DELH	KARN	KANP	
1	B H - 3443	57	87	95	79
2	P M Z - 136	65	93	90	83
3	B I O - 22069	78	75	94	82
CHECKS:					
4	K H - 510	67	74	94	78
5	NAVJOT	63	71	89	74
MEAN LOCATION		66	80	92	79
C.D. AT 5% =		25.1	7.2	4.8	12.4
C.V. % =		20.3	4.8	3.4	-
F (Prob)		.464	.000	.091	-

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

TABLE NO. 29 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE NAVJOT													
SI NO	PEDIGREE	GORA			DHOL			KUSH			ZN 3		
		BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN
1	L - 166	25.87	-	6.13	0.09	13.17	6.79						
2	X 1150 Z	90.36	34.81	65.55	8.23	29.74	38.21						
3	B I O - 22069	-	40.64	69.24	9.42	48.46	28.10						
CHECKS:													
4	K H - 510	28.69	32.31	32.35	3.99	29.46	22.68						
5	NAVJOT												

DAYS TO 50% POLLEN SHED													
SI NO	PEDIGREE	GORA			DHOL			KUSH			ZN 3		
		BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN
1	L - 166	55.8	49.5	50.8	51.0	44.5	50.3	57.8	55.5	52.3	52.0	48.0	
2	X 1150 Z	54.5	48.5	48.3	50.0	46.5	49.5	56.8	51.5	50.5	51.0	50.3	
3	B I O - 22069	57.8	51.5	49.8	51.3	45.8	51.2	59.8	55.5	51.8	53.5	48.8	
CHECKS:													
4	K H - 510	57.8	49.8	50.3	54.3	46.0	51.6	60.0	54.0	52.0	56.8	49.8	
5	NAVJOT	55.5	48.5	49.5	52.0	45.8	50.3	57.8	54.8	51.8	53.3	48.8	
MEAN LOCATION													
	C.D. AT 5% =	1.1	1.2	2.0	2.7	1.4	1.7	1.3	1.4	1.4	2.4	0.9	
	C.V. % =	1.3	1.6	2.6	3.3	2.0	-	1.4	1.6	1.8	2.9	1.2	
	F (Prob) =	.000	.001	.137	.044	.082	-	.001	.000	.140	.002	.002	

DAYS TO 50% SILKING													
SI NO	PEDIGREE	GORA			DHOL			KUSH			ZN 3		
		BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN
1	L - 166	85.3	87.5	83.0	88.3	86.0	86.0	22.7	31.8	28.5	27.6	27.6	
2	X 1150 Z	83.3	79.3	74.0	86.8	80.8	80.8	21.4	26.8	24.2	24.1	24.1	
3	B I O - 22069	85.8	85.8	82.5	86.8	85.2	85.2	23.0	30.9	25.7	25.5	25.5	
CHECKS:													
4	K H - 510	86.3	86.0	83.5	89.3	86.3	86.3	23.5	33.2	28.3	28.3	28.3	
5	NAVJOT	85.8	86.8	83.8	89.0	86.3	86.3	22.6	30.8	27.0	26.8	26.8	
MEAN LOCATION													
	C.D. AT 5% =	1.4	0.8	1.3	1.5	1.2	1.2	0.7	0.6	3.6	1.6	1.6	
	C.V. % =	1.0	0.6	1.0	1.1	-	-	2.1	1.2	8.8	-	-	
	F (Prob) =	.004	.000	.000	.006	-	-	.001	.000	.116	-	-	

DAYS TO 50% DRY HUSK													
SI NO	PEDIGREE	GORA			DHOL			KUSH			ZN 3		
		BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN
1	L - 166	85.3	87.5	83.0	88.3	86.0	86.0	22.7	31.8	28.5	27.6	27.6	
2	X 1150 Z	83.3	79.3	74.0	86.8	80.8	80.8	21.4	26.8	24.2	24.1	24.1	
3	B I O - 22069	85.8	85.8	82.5	86.8	85.2	85.2	23.0	30.9	25.7	25.5	25.5	
CHECKS:													
4	K H - 510	86.3	86.0	83.5	89.3	86.3	86.3	23.5	33.2	28.3	28.3	28.3	
5	NAVJOT	85.8	86.8	83.8	89.0	86.3	86.3	22.6	30.8	27.0	26.8	26.8	
MEAN LOCATION													
	C.D. AT 5% =	1.4	0.8	1.3	1.5	1.2	1.2	0.7	0.6	3.6	1.6	1.6	
	C.V. % =	1.0	0.6	1.0	1.1	-	-	2.1	1.2	8.8	-	-	
	F (Prob) =	.004	.000	.000	.006	-	-	.001	.000	.116	-	-	

MOISTURE % AT HARVEST													
SI NO	PEDIGREE	GORA			DHOL			KUSH			ZN 3		
		BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN	BELI	VARA	MEAN
1	L - 166	22.7	31.8	28.5	27.6	27.6	27.6	22.7	31.8	28.5	27.6	27.6	
2	X 1150 Z	21.4	26.8	24.2	24.1	24.1	24.1	21.4	26.8	24.2	24.1	24.1	
3	B I O - 22069	23.0	30.9	25.7	25.5	25.5	25.5	23.0	30.9	25.7	25.5	25.5	
CHECKS:													
4	K H - 510	23.5	33.2	28.3	28.3	28.3	28.3	23.5	33.2	28.3	28.3	28.3	
5	NAVJOT	22.6	30.8	27.0	26.8	26.8	26.8	22.6	30.8	27.0	26.8	26.8	
MEAN LOCATION													
	C.D. AT 5% =	0.7	0.6	3.6	1.6	1.6	1.6	0.7	0.6	3.6	1.6	1.6	
	C.V. % =	2.1	1.2	8.8	-	-	-	2.1	1.2	8.8	-	-	
	F (Prob) =	.001	.000	.116	-	-	-	.001	.000	.116	-	-	

TABLE NO. 29 (CONT.)

S1 NO PEDIGREE	PLANT ASPECT *							EAR ASPECT *						
	GORA			KUSH	AMBI	ZN 3 MEAN	GORA			KUSH	AMBI	ZN 3 MEAN		
	BELI	VARA	DHOL				BELI	VARA	DHOL					
1 L - 166	2.5	3.0	2.8	2.8	2.8	2.8	2.6	2.5	3.6	2.3	2.8	2.8		
2 X 1150 Z	1.8	2.0	2.6	2.8	2.8	2.4	1.9	2.5	1.8	2.4	2.8	2.3		
3 B I O - 22069	2.6	2.0	2.1	2.8	3.0	2.5	2.9	2.0	1.6	2.3	2.9	2.3		
CHECKS:														
4 K H - 510	2.4	2.3	2.5	2.6	2.5	2.5	2.6	2.0	2.0	2.3	2.5	2.3		
5 NAVJOT	3.1	2.0	3.0	2.9	2.5	2.7	2.6	2.8	3.1	2.4	2.8	2.7		
MEAN LOCATION														
C.D. AT 5%	0.5	0.1	0.5	0.4	0.3	0.4	0.5	0.3	0.6	0.5	0.4	0.5		
C.V. %	12.1	4.1	13.7	10.4	7.0	-	13.5	7.8	16.3	13.3	9.3	-		
F (Prob)	.001	.000	.049	.816	.016	-	.014	.000	.000	.934	.169	-		

S1 NO PEDIGREE	HUSK COVER *							UNIFORMITY *						
	GORA			KUSH	AMBI	ZN 3 MEAN	GORA			KUSH	AMBI	ZN 3 MEAN		
	BELI	VARA	DHOL				BELI	VARA	DHOL					
1 L - 166	1.9	3.0	2.7	2.7	2.5	2.5	2.8	2.0	3.3	2.6	2.7	2.7		
2 X 1150 Z	1.6	2.3	2.6	2.6	2.2	2.2	1.5	1.8	1.9	2.6	1.9	1.9		
3 B I O - 22069	2.4	2.3	2.8	2.8	2.5	2.4	2.4	1.5	2.0	2.7	2.1	2.1		
CHECKS:														
4 K H - 510	2.4	2.5	2.5	2.5	2.4	2.4	2.8	2.0	2.9	2.4	2.5	2.5		
5 NAVJOT	2.8	3.0	2.8	2.8	2.9	2.9	2.8	2.5	2.6	2.5	2.6	2.6		
MEAN LOCATION														
C.D. AT 5%	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.1	0.6	0.3	0.4	0.4		
C.V. %	11.0	6.6	8.5	8.5	-	-	11.9	4.7	14.3	8.8	-	-		
F (Prob)	.000	.000	.156	.156	-	-	.000	.000	.001	.470	-	-		

TABLE NO. 29 (CONT.)

SI NO PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 3 MEAN	ZN 3 MEAN				
	GORA BELI	VARA	DHOL	KUSH	AMBI	GORA BELI			VARA	DHOL	KUSH	AMBI
1 L - 166	157	230	152	155	231	185	67	95	71	75	86	79
2 X 1150 Z	146	243	180	148	247	192	65	90	85	74	99	83
3 B I O - 22069	148	238	178	152	247	192	59	88	89	64	91	78
CHECKS:												
4 K H - 510	132	230	164	132	234	178	47	98	82	52	83	72
5 NAVJOT	135	238	168	137	247	185	56	103	90	65	95	82
MEAN LOCATION	143	236	168	145	241	187	59	95	83	66	91	79
C.D. AT 5½=	15.2	10.6	11.9	16.3	16.8	14.1	12.4	11.1	8.7	13.8	13.9	12.0
C.V. % =	6.9	2.9	4.6	7.3	4.5	-	13.8	7.6	6.8	13.6	9.9	-
F (Prob)	.021	.099	.002	.037	.141	-	.026	.079	.004	.024	.165	-

SI NO PEDIGREE	EAR NO./PLANT			STAND AT HARVEST			ZN 3 MEAN	ZN 3 MEAN			
	GORA BELI	VARA	KUSH	AMBI	GORA BELI	VARA			DHOL	KUSH	AMBI
1 L - 166	0.99	0.95	1.00	1.14	119	103	89	109	101	104	104
2 X 1150 Z	0.99	1.02	1.01	1.13	119	107	117	112	117	115	115
3 B I O - 22069	0.99	0.96	0.99	1.13	114	105	97	118	113	109	109
CHECKS:											
4 K H - 510	0.98	0.97	0.95	1.09	110	104	76	117	90	100	100
5 NAVJOT	0.98	0.93	1.00	1.07	113	104	91	117	95	104	104
MEAN LOCATION	-	-	-	-	115	105	94	115	103	106	106
C.D. AT 5½=	-	-	-	-	8.1	3.6	14.2	9.5	11.6	9.4	9.4
C.V. % =	-	-	-	-	4.6	2.2	9.9	5.4	7.3	-	-
F (Prob)	-	-	-	-	.131	.134	.001	.297	.001	-	-

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

TABLE NO. 30

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT KARIMNAGAR, ARBHAVI (1), ARBHAVI (2), MANDYA, COIMBATORE, KOLHAPUR IN AET 2nd YEAR TRIAL NO. TR70Z4 DURING KHARIF (2005).

GRAIN YIELD (kg/ha) AT 15% MOISTURE														
Sl NO	PEDIGREE	KARI	R	ARB1	R	ARB2	R	MAND	R	COIM	R	KOLH	R	ZN 4
														MEAN
1	P M Z - 136	6903	2	6489	1	5343	3	4676	2	5805	3	1598	2	5135
2	B I O - 22069	7475	1	6231	2	5731	1	5924	1	6666	1	1904	1	5655
3	FILLER	4976	4	4984	4	4118	5	4525	3	5453	4	932	4	4164
CHECKS:														
4	K H - 510	6756	3	5286	3	5541	2	3870	4	6451	2	1276	3	4863
5	NAVJOT	4601	5	3620	5	4139	4	3760	5	3839	5	769	5	3455
	MEAN YIELD=	6142		5322		4974		4551		5643		1295		4655
	MEAN STAND	87		89		92		88		84		80		87
	C.D. AT 5%=	1089		781		958		1303		404		325		810
	F (Prob)	14.88		12.31		16.16		15.50		6.01		16.54		-
	PLOT SIZE=	.000		.000		.000		.000		.000		.000		-
	AGRONOMY DATA:	18.00		22.50		22.50		21.00		14.40		22.50		-
	SOWING DATE (2005)	10-07		14-07		14-07		6-08		2-07		11-07		-
	HARVEST DATE (2005)	28-07		25-11		25-11		9-12		20-10		8-11		-
	IRRIGATION Nos	2		4		4		5		10		-		-
	FERTILIZER APPLIED N	180		150		150		150		135		120		-
	P	60		75		75		75		63		60		-
	K	30		38		38		40		50		40		-

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

GRAIN YIELD % SUPERIORITY OVER THE K H - 510												
Sl NO	PEDIGREE	KARI	ARB1	ARB2	MAND	COIM	KOLH	ZN 4				
								MEAN				
1	P M Z - 136	2.18	22.77	-	20.82	-	25.21	5.60				
2	B I O - 22069	10.65	17.88	3.43	53.07	3.33	49.21	16.28				
3	FILLER	-	-	-	16.92	-	-	-				
4	K H - 510	-	-	-	-	-	-	-				
5	NAVJOT	-	-	-	-	-	-	-				

TABLE NO. 30 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE NAVJOT															
S1 NO	PEDIGREE	KARI	ARB1	ARB2	MAND	COIM	KOLH	ZN 4 MEAN	DAYS TO 50% SILKING				ZN 4 MEAN		
									KARI	ARB1	ARB2	MAND		COIM	KOLH
1	P M Z - 136	50.03	79.28	29.08	24.36	51.21	107.82	48.66							
2	B I O - 22069	62.47	72.13	38.46	57.54	73.64	147.65	63.70							
3	FILLER	8.15	37.69	-	20.33	42.05	21.20	20.55							
CHECKS:															
4	K H - 510	46.83	46.03	33.86	2.92	68.05	65.97	40.78							
5	NAVJOT	-	-	-	-	-	-	-							
DAYS TO 50% POLLEN SHED															
S1 NO	PEDIGREE	KARI	ARB1	ARB2	MAND	COIM	KOLH	ZN 4 MEAN	DAYS TO 50% SILKING				ZN 4 MEAN		
									KARI	ARB1	ARB2	MAND		COIM	KOLH
1	P M Z - 136	50.2	60.3	50.7	50.8	50.8	65.3	56.0	53.8	59.3	60.8	53.0	54.5	66.5	58.0
2	B I O - 22069	51.8	60.3	52.3	50.0	50.0	65.3	56.4	54.8	59.7	61.3	53.7	53.5	66.8	58.3
3	FILLER	49.7	58.8	47.7	47.2	47.2	63.5	54.1	52.8	59.3	60.7	50.0	50.8	65.0	56.4
CHECKS:															
4	K H - 510	50.5	61.3	51.3	49.0	49.0	64.5	56.1	53.8	60.2	62.0	53.3	52.7	66.3	58.0
5	NAVJOT	49.3	57.8	50.0	48.0	48.0	63.3	54.3	52.5	59.0	59.8	51.3	51.8	65.3	56.6
MEAN LOCATION															
		50.3	59.7	50.4	49.0	49.0	64.3	55.4	53.6	59.5	60.9	52.3	52.7	65.9	57.5
C.D. AT 5% =															
		1.2	1.1	3.4	1.0	1.0	1.3	1.5	1.4	0.9	1.0	2.9	1.1	1.7	1.5
C.V. % =															
		2.1	1.6	3.5	1.7	1.7	1.3	-	2.2	1.3	1.4	3.0	1.7	1.7	-
F (Prob)															
		.005	.000	.093	.000	.000	.015	-	.020	.125	.005	.089	.000	.153	-
DAYS TO 50% DRY HUSK															
S1 NO	PEDIGREE	KARI	MAND	COIM	KOLH	ZN 4 MEAN	MOISTURE % AT HARVEST				ZN 4 MEAN				
							ARB1	ARB2	MAND	KOLH					
1	P M Z - 136	88.2	91.7	97.5	100.3	94.4	16.9	17.3	17.7	21.0	18.2				
2	B I O - 22069	89.3	91.7	96.5	99.8	94.3	18.6	22.8	18.1	21.5	20.2				
3	FILLER	87.3	92.3	93.8	98.0	92.9	17.1	18.3	18.1	16.9	17.6				
CHECKS:															
4	K H - 510	89.0	91.7	95.7	99.5	94.0	18.1	20.2	19.3	15.4	18.2				
5	NAVJOT	88.0	91.7	94.8	98.5	93.3	16.8	19.7	17.8	15.4	17.4				
MEAN LOCATION															
		88.4	91.8	95.7	99.2	93.8	17.5	19.6	18.2	18.0	18.3				
C.D. AT 5% =															
		1.9	2.7	1.1	1.6	1.8	0.5	0.6	1.3	1.4	0.9				
C.V. % =															
		1.7	1.6	0.9	1.1	-	2.2	2.4	3.8	5.0	-				
F (Prob)															
		.208	.968	.000	.060	-	.000	.000	.123	.000	-				

TABLE NO. 30 (CONT.)

S1 NO	PEDIGREE	PLANT ASPECT *					EAR ASPECT *					ZN 4 MEAN		
		KARI	ARB1	ARB2	MAND	COIM	KOLH	KARI	ARB1	ARB2	MAND		COIM	KOLH
1	P M Z - 136	2.3	2.2	2.5	2.7	2.0	1.9	2.3	2.5	2.8	1.7	3.0	1.9	2.4
2	B I O - 22069	2.5	2.3	2.7	2.0	2.0	2.0	2.3	1.7	2.7	2.0	2.0	2.0	2.2
3	FILLER	3.0	3.0	3.0	2.3	3.0	2.5	2.8	2.7	3.0	2.7	3.0	2.8	2.8
CHECKS:														
4	K H - 510	2.3	2.7	2.5	2.7	2.0	1.8	2.3	2.2	2.8	2.7	2.8	2.1	2.5
5	NAVJOT	2.8	2.8	2.7	2.7	3.0	1.9	2.6	2.8	2.8	3.2	2.7	3.0	2.9
MEAN LOCATION														
	C.D. AT 5%	0.8	0.3	0.2	1.0	0.0	0.4	0.5	0.7	0.2	0.4	0.2	0.4	0.5
	C.V. %	25.2	8.9	7.5	20.9	0.0	13.9	-	23.3	5.5	10.2	30.8	6.6	10.9
	F (Prob)	.311	.000	.002	.461	.000	.019	-	.012	.000	.089	.351	.000	.000

S1 NO	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 4 MEAN		
		KARI	ARB1	ARB2	MAND	COIM	KOLH	KARI	ARB1	ARB2	MAND		COIM	KOLH
1	F M Z - 136	2.2	2.2	2.3	2.7	2.0	1.8	2.2	2.2	2.3	2.3	3.0	2.0	2.4
2	B I O - 22069	1.7	2.3	2.2	2.3	2.0	2.0	2.1	2.0	2.3	2.2	2.2	2.0	2.2
3	FILLER	2.3	2.2	2.5	2.7	3.0	2.4	2.5	3.0	2.8	2.7	3.0	2.6	2.9
CHECKS:														
4	K H - 510	1.8	2.2	2.2	2.7	2.2	1.9	2.1	2.0	2.7	2.5	2.7	1.9	2.4
5	NAVJOT	2.0	2.3	2.7	3.0	3.0	1.9	2.5	2.8	2.5	2.7	3.0	1.9	2.6
MEAN LOCATION														
	C.D. AT 5%	0.5	0.3	0.3	0.6	0.2	0.4	0.4	0.9	0.3	0.3	0.7	0.3	0.5
	C.V. %	21.0	11.4	11.3	12.8	7.5	12.0	-	30.7	10.6	9.7	13.4	9.0	15.4
	F (Prob)	.088	.558	.016	.309	.000	.025	-	.071	.016	.006	.232	.000	.031

TABLE NO. 30 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 4	
		KARI	MAND	COIM	KOLH	KARI	MAND	COIM	KOLH	MEAN	MEAN
1	P M Z - 136	172	180	175	143	167	78	70	60	67	
2	B I O - 22069	182	204	182	134	175	85	79	83	81	
3	FILLER	177	185	169	138	167	78	77	75	76	
CHECKS:											
4	K H - 510	167	161	176	133	159	72	77	49	68	
5	NAVJOT	165	179	170	110	156	83	75	41	69	
MEAN LOCATION											
	C.D. AT 5%	17.3	24.2	7.4	7.8	14.2	15.1	5.0	9.1	11.4	
	C.V. %	8.3	7.1	3.5	3.9	-	17.2	5.5	9.6	-	
	F (Prob)	.260	.037	.009	.000	-	.056	.013	.000	-	

Sl NO	PEDIGREE	EAR NO./PLANT				H.turc. STAND AT HARVEST				ZN 4		
		KARI	MAND	COIM	KOLH	KARI	ARB1	ARB2	MAND	COIM	KOLH	MEAN
1	P M Z - 136	1.05	1.01	0.94	0.70	1.8	94	95	105	91	89	92
2	B I O - 22069	1.06	1.01	0.94	0.80	1.9	94	102	103	91	92	100
3	FILLER	1.04	1.12	0.96	0.74	2.3	88	90	90	78	76	70
CHECKS:												
4	K H - 510	0.98	0.87	0.96	0.65	1.9	82	80	78	97	81	62
5	NAVJOT	1.04	1.03	0.94	0.71	1.9	80	78	82	86	83	75
MEAN LOCATION												
	C.D. AT 5%	-	-	-	-	1.9	87	89	92	88	84	80
	C.V. %	-	-	-	-	0.4	8.4	8.5	8.3	3.9	5.2	27.0
	F (Prob)	-	-	-	-	13.6	8.0	7.9	7.6	2.4	5.2	22.0
		-	-	-	-	.145	.006	.000	.000	.000	.000	.056

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

TABLE NO. 31

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT UDAIPUR, PRATAPGARH, BANSWARA, GODHRA, KHEDBRAMHA, CHHINDIWARA IN AET 2nd YEAR, TRIAL No. TR70Z5 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 5		
		UDAI	R	PRAT	R	BANS	R	GODH	R	KHED	R	CHHI	R	MEAN	R	
1	A H - 017045	4093	3	3758	5	5876	2	857	6	2056	5	7502	3	4024	3	
2	A H - 017051	3584	4	3806	4	4229	6	1153	5	2261	3	6760	4	3632	5	
3	X 1150 Z	3225	5	3968	3	5977	1	1670	1	2840	1	6000	6	3947	4	
4	P M Z - 136	4712	2	4082	2	5684	3	1200	4	2288	2	9265	1	4539	1	
CHECKS:																
5	K H - 510	5409	1	4729	1	4782	4	1230	3	2256	4	8194	2	4433	2	
6	NAVJOT	2989	6	3609	6	4493	5	1276	2	1349	6	6459	5	3363	6	
	MEAN YIELD=	4002		3992		5174		1231		2175		7363		3989		
	MEAN STAND	80		83		81		93		113		110		93		
	C.D. AT 5% =	651		642		972		327		366		1280		706		
	C.V. % =	9.06		10.77		12.59		17.83		11.29		11.65		-		
	F (Prob)	.036		.100		.007		.000		.000		.000		-		
	PLOT SIZE=	18.00		18.00		18.00		18.00		18.00		16.80		-		
AGRONOMY DATA:																
	SOWING DATE (2005)	1-07		6-07		30-06		8-07		29-07		7-07		-		
	HARVEST DATE (2005)	2-10		27-10		8-10		7-10		18-11		24-10		-		
	IRRIGATION Nos	-		-		-		1		100		-		-		
	FERTILIZER APPLIED N	90		120		120		100		50		120		-		
	P	60		80		80		50		-		60		-		
	K	-		-		-		-		-		40		-		

TABLE NO. 31 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE K H - 510													
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	KHED	CHHI	ZN 5 MEAN					
1	A H - 017045	-	-	22.87	-	-	-	-	-	-			
2	A H - 017051	-	-	25.00	35.75	0.25	-	-	-	-			
3	X 1150 Z	-	-	18.86	-	1.43	13.07	2.37	-	-			
4	P M Z - 136	-	-	-	-	-	-	-	-	-			
CHECKS:													
5	K H - 510	-	-	-	3.73	-	-	-	-	-			
6	NAVJOT	-	-	-	-	-	-	-	-	-			
GRAIN YIELD & SUPERIORITY OVER THE NAVJOT													
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	KHED	CHHI	ZN 5 MEAN					
1	A H - 017045	36.92	4.12	30.77	-	52.45	16.15	19.66	-	-			
2	A H - 017051	19.88	5.45	-	-	67.64	4.67	8.01	-	-			
3	X 1150 Z	7.87	9.94	33.03	30.87	110.55	-	17.37	-	-			
4	P M Z - 136	57.63	13.10	26.49	-	69.60	43.46	34.97	-	-			
CHECKS:													
5	K H - 510	80.92	31.04	6.42	-	67.21	26.87	31.84	-	-			
6	NAVJOT	-	-	-	-	-	-	-	-	-			
DAYS TO 50% POLLEN SHED													
SI NO	PEDIGREE	UDAI	BANS	GODH	KHED	CHHI	ZN 5 MEAN						
1	A H - 017045	54.0	51.0	50.0	47.5	48.3	50.2	56.3	54.8	52.5			
2	A H - 017051	54.3	50.5	51.5	47.3	48.3	50.4	57.3	53.8	53.5			
3	X 1150 Z	53.3	46.3	49.0	46.8	47.5	48.6	54.7	49.5	51.0			
4	P M Z - 136	55.3	51.0	50.8	48.0	49.5	50.9	58.0	54.0	53.5			
CHECKS:													
5	K H - 510	54.7	50.5	50.5	48.3	52.3	51.2	57.0	54.0	52.8			
6	NAVJOT	53.3	48.5	49.5	47.3	48.5	49.4	56.7	52.5	52.0			
MEAN LOCATION													
C.D. AT 5%		54.2	49.6	50.2	47.5	49.0	50.1	56.7	53.1	52.5			
C.V. %		1.0	0.8	1.0	1.4	1.4	1.1	1.8	1.1	0.8			
F (Prob)		1.0	1.0	1.3	2.0	2.0	-	1.7	1.4	1.0			
		.008	.000	.001	.309	.000	-	.027	.000	.424			
DAYS TO 50% SILKING													
SI NO	PEDIGREE	UDAI	BANS	GODH	KHED	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	KHED	CHHI	ZN 5 MEAN
1	A H - 017045	54.0	51.0	50.0	47.5	48.3	50.2	56.3	54.8	52.5	52.5	50.0	53.2
2	A H - 017051	54.3	50.5	51.5	47.3	48.3	50.4	57.3	53.8	53.5	53.0	49.5	53.4
3	X 1150 Z	53.3	46.3	49.0	46.8	47.5	48.6	54.7	49.5	51.0	51.0	47.5	50.7
4	P M Z - 136	55.3	51.0	50.8	48.0	49.5	50.9	58.0	54.0	53.5	53.0	50.3	53.8
CHECKS:													
5	K H - 510	54.7	50.5	50.5	48.3	52.3	51.2	57.0	54.0	52.8	52.5	53.5	54.0
6	NAVJOT	53.3	48.5	49.5	47.3	48.5	49.4	56.7	52.5	52.0	52.3	49.5	52.5
MEAN LOCATION													
C.D. AT 5%		54.2	49.6	50.2	47.5	49.0	50.1	56.7	53.1	52.5	52.3	50.0	52.9
C.V. %		1.0	0.8	1.0	1.4	1.4	1.1	1.8	1.1	0.8	2.2	1.4	1.5
F (Prob)		1.0	1.0	1.3	2.0	2.0	-	1.7	1.4	1.0	2.8	1.8	-
		.008	.000	.001	.309	.000	-	.027	.000	.000	.424	.000	-

TABLE NO. 31 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 5		
		UDAI	BANS	GODH	KHED	CHHI	UDAI	PRAT	BANS	GODH	KHED	CHHI	MEAN	MEAN
1	A H - 017045	85.7	81.5	75.8	79.3	87.0	17.5	17.4	17.1	19.2	17.1	20.3	18.1	18.1
2	A H - 017051	83.0	80.8	74.3	81.0	89.0	17.5	16.6	16.5	20.8	14.4	18.5	17.4	17.4
3	X 1150 Z	82.7	79.0	71.3	77.5	78.0	16.3	16.5	16.9	21.2	11.8	20.3	17.1	17.1
4	P M Z - 136	87.0	80.5	76.5	77.3	86.5	18.5	17.5	16.2	21.0	12.6	20.0	17.7	17.7
CHECKS:														
5	K H - 510	85.7	81.0	74.8	76.3	90.0	17.0	16.8	16.4	17.4	15.3	21.0	17.3	17.3
6	NAVJOT	81.7	79.5	74.0	75.0	81.0	16.1	16.4	17.0	18.1	16.3	20.0	17.3	17.3
MEAN LOCATION														
	C.D. AT 5% =	2.0	1.1	2.0	4.8	1.1	0.4	0.9	0.8	2.1	1.9	0.6	1.1	1.1
	C.V. % =	1.3	0.9	1.8	4.1	0.9	1.2	3.6	3.1	7.2	8.7	2.0	-	-
	F (Prob) =	.001	.002	.001	.171	.000	.000	.063	.129	.006	.000	.000	-	-

S1 NO	PEDIGREE	PLANT ASPECT *					EAR ASPECT *					ZN 5		
		UDAI	PRAT	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	KHED	CHHI	MEAN	MEAN
1	A H - 017045	2.2	1.6	1.8	3.0	1.3	2.1	1.9	1.9	3.5	4.3	1.3	2.5	2.5
2	A H - 017051	2.2	1.8	1.6	3.3	1.5	1.8	2.0	1.6	2.8	4.0	1.1	2.2	2.2
3	X 1150 Z	2.2	1.9	1.8	2.5	1.0	1.3	2.0	1.5	2.5	4.0	1.4	2.1	2.1
4	P M Z - 136	1.7	1.9	1.8	3.5	1.0	1.5	2.0	1.8	3.5	4.0	1.3	2.3	2.3
CHECKS:														
5	K H - 510	1.8	1.8	1.9	3.3	1.0	1.5	1.5	2.1	3.3	4.5	1.1	2.3	2.3
6	NAVJOT	2.6	2.1	1.9	3.0	1.5	2.5	2.3	2.0	3.8	4.8	1.4	2.8	2.8
MEAN LOCATION														
	C.D. AT 5% =	0.6	0.4	0.4	0.7	0.4	0.6	0.4	0.3	0.8	1.3	0.4	0.6	0.6
	C.V. % =	15.3	15.7	15.4	15.3	22.5	17.4	13.3	12.6	16.3	19.5	23.1	-	-
	F (Prob) =	.059	.280	.788	.122	.034	.005	.022	.014	.029	.714	.701	-	-

TABLE NO. 31 (CONT.)

SI	NO PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5 MEAN	
		UDAI	PRAT	BANS	GODH	KHED	CHHI	UDAI	PRAT	BANS	GODH		KHED
1	A H - 017045	1.5	1.6	1.9	3.3	4.5	1.5	1.6	1.9	1.8	3.0	4.0	2.4
2	A H - 017051	1.8	1.9	1.9	3.3	4.0	2.0	2.1	1.6	1.8	3.0	3.8	2.4
3	X 1150 Z	1.9	1.8	1.8	2.5	4.0	1.5	1.9	2.0	1.8	2.8	3.5	2.4
4	P M Z - 136	1.5	1.5	1.6	3.3	4.3	1.0	1.7	1.6	1.6	3.5	3.8	2.4
CHECKS:													
5	K H - 510	1.4	1.9	2.0	3.5	3.5	1.0	1.9	1.8	2.1	3.3	3.3	2.5
6	NAVJOT	1.8	2.0	2.0	3.5	4.5	1.5	2.0	2.1	2.0	3.3	4.0	2.7
MEAN LOCATION													
		1.7	1.8	1.9	3.2	4.1	1.4	1.9	1.8	1.8	3.1	3.7	2.5
C.D. AT 5% =													
		0.5	0.3	0.3	0.9	1.1	0.3	0.5	0.4	0.3	0.9	0.7	0.5
C.V. % =													
		17.6	11.4	9.3	17.6	18.4	15.8	13.6	13.5	9.5	18.1	11.6	-
F (Prob)													
		.298	.033	.052	.196	.451	.000	.200	.060	.009	.529	.166	-

SI	NO PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 5 MEAN		
		UDAI	PRAT	BANS	GODH	KHED	CHHI	UDAI	PRAT	BANS	GODH		KHED	CHHI
1	A H - 017045	177	194	175	123	159	196	92	81	93	36	59	94	76
2	A H - 017051	167	196	171	123	151	183	92	103	73	33	57	95	75
3	X 1150 Z	195	190	185	129	163	185	92	73	69	31	63	85	69
4	P M Z - 136	160	184	181	113	159	199	77	91	75	30	55	85	69
CHECKS:														
5	K H - 510	173	176	173	121	159	180	92	90	71	39	54	81	71
6	NAVJOT	170	189	168	130	158	205	88	80	69	38	61	93	71
MEAN LOCATION														
		174	188	175	123	158	191	89	86	75	34	58	89	72
C.D. AT 5% =														
		25.1	16.0	7.5	16.1	10.7	22.3	17.9	10.9	9.2	7.5	5.7	13.1	10.7
C.V. % =														
		7.9	5.7	2.9	8.7	4.5	7.7	11.1	8.4	8.1	14.5	6.5	9.8	-
F (Prob)														
		.128	.164	.002	.277	.302	.158	.409	.001	.000	.105	.049	.188	-

TABLE NO. 31 (CONT.)

SL NO	PEDIGREE	HUSK COVER *				UNIFORMITY *				ZN 5 MEAN				
		UDAI	PRAT	BANS	GODH	KHED	CHHI	UDAI	PRAT		BANS	GODH	KHED	CHHI
1	A H - 017045	1.5	1.6	1.9	3.3	4.5	1.5	1.9	1.8	3.0	4.0	1.5	2.4	
2	A H - 017051	1.9	1.8	1.8	3.3	4.0	2.0	2.0	1.6	3.0	3.8	2.0	2.4	
3	X 1150 Z	1.5	1.5	1.6	3.3	4.3	1.0	1.7	1.8	2.8	3.8	2.0	2.4	
4	P M Z - 136	1.5	1.5	1.6	3.3	4.3	1.0	1.7	1.8	2.8	3.8	2.0	2.4	
5	CHECKS: 510	1.4	1.9	2.0	3.5	3.5	1.0	1.9	1.8	3.3	3.3	2.0	2.5	
6	NAVJOT	1.7	2.0	2.0	3.3	4.1	1.5	2.0	1.8	3.3	4.0	2.0	2.5	
	MEAN LOCATION	1.5	1.8	1.9	3.2	4.1	1.4	1.9	1.8	3.3	4.0	2.0	2.5	
	C.D. AT 5% =	10.5	10.3	10.3	17.6	18.4	10.3	10.5	10.4	18.9	19.7	10.6	20.5	
	C.V. % =	17.9	11.4	9.3	17.6	18.4	15.8	13.6	13.5	18.2	11.6	11.6	20.5	
	F (Prob)	.298	.033	.052	.196	.451	.000	.200	.060	.529	.166	.166	-	
PLANT HEIGHT (cm)														
SL NO	PEDIGREE	PLANT HEIGHT (cm)				PLANT HEIGHT (cm)				ZN 5 MEAN				
		UDAI	PRAT	BANS	GODH	KHED	CHHI	UDAI	PRAT		BANS	GODH	KHED	CHHI
1	A H - 017045	177	194	175	123	159	196	92	81	93	36	59	94	76
2	A H - 017051	167	196	171	123	151	183	92	103	73	33	57	95	75
3	X 1150 Z	195	190	185	129	163	185	92	73	69	31	53	85	69
4	P M Z - 136	160	184	181	113	159	199	77	91	75	30	55	85	69
5	CHECKS: 510	173	176	173	121	159	180	92	90	71	39	54	81	71
6	NAVJOT	170	189	168	123	158	205	88	80	69	38	51	83	71
	MEAN LOCATION	174	188	175	123	158	191	89	86	75	34	58	89	72
	C.D. AT 5% =	25.1	16.0	7.9	18.7	10.7	22.3	17.9	10.9	9.2	7.5	5.7	13.1	10.7
	C.V. % =	7.9	15.7	2.0	18.7	4.5	7.7	11.1	8.4	8.0	14.5	6.4	9.8	-
	F (Prob)	.128	.164	.002	.277	.302	.158	.409	.001	.000	.105	.049	.188	-
STAND AT HARVEST														
SL NO	PEDIGREE	STAND AT HARVEST				STAND AT HARVEST				ZN 5 MEAN				
		UDAI	BANS	GODH	KHED	CHHI	UDAI	PRAT	BANS		GODH	KHED	CHHI	ZN 5 MEAN
1	A H - 017045	1.00	1.07	0.77	0.86	0.97	82	91	97	119	112	117	98	
2	A H - 017051	0.99	0.98	0.85	0.93	0.96	83	81	95	116	117	115	96	
3	X 1150 Z	1.01	0.97	0.80	0.86	1.00	104	86	106	130	115	104	96	
4	P M Z - 136	1.01	0.96	0.80	0.82	0.99	173	85	180	100	107	107	87	
5	CHECKS: 510	1.00	0.97	0.75	0.81	0.99	67	74	72	94	98	98	81	
6	NAVJOT	1.02	1.06	0.79	0.91	1.00	80	83	106	117	110	110	93	
	MEAN LOCATION	-	-	-	-	-	80	81	93	113	110	110	93	
	C.D. AT 5% =	-	-	-	-	-	15.8	15.9	15.8	16.9	16.4	16.4	14.2	
	C.V. % =	-	-	-	-	-	10.9	12.9	11.4	16.9	16.3	16.3	-	
	F (Prob)	-	-	-	-	-	.003	.117	.002	.005	.021	.021	-	

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

TABLE NO. 32

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT ALMORA, BAJAURA, KANGRA IN AET 2nd YEAR, TRIAL NO. TR71Z1 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER					
		ALMO	BAJA	R	KANG	R	MEAN	ZN 1	THE PARKASH	BAJA	KANG	MEAN	
1	J K M H - 1701	8957	2	10271	1	2712	6	7313	1	90.63	53.38	-	47.83
2	F H - 3259	7204	3	8136	3	3329	3	6223	3	53.31	21.50	-	25.79
3	H K H - 1176	9898	1	7070	4	2870	5	6612	2	110.64	5.57	-	33.66
CHECKS:													
4	PARKASH	4699	5	6697	5	3446	2	4947	5	-	-	-	-
5	X - 3342	6534	4	8436	2	3568	1	6179	4	39.06	25.97	3.54	24.91
6	KIRAN	4568	6	4912	6	3103	4	4194	6	-	-	-	-
	MEAN YIELD=	6977		7587		3171		5912					
	MEAN STAND	89		85		86		87					
	C.D. AT 5% =	1929		1442		454		1275					
	C.V. % =	18.53		12.74		7.96		-					
	F (Prob)	.000		.000		.000		-					
	PLOT SIZE=	16.20		14.40		12.00		-					
AGRONOMY DATA:													
	SOWING DATE (2005)	10-07		9-07		18-06		-					
	HARVEST DATE (2005)	11-11		24-10		-		-					
	IRRIGATION NOS	-		2		-		-					
	FERTILIZER APPLIED N	80		120		80		-					
	P	60		60		60		-					
	K	40		40		40		-					

TABLE NO. 32 (CONT.)

SI NO PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE				DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK			
	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN
1 J K M H - 1701	37.08	21.76	-	18.35	96.09	109.11	-	74.37	-	-	-	-	-	-	-	-
2 F H - 3259	10.24	-	-	0.70	57.70	65.64	-	48.37	-	-	7.29	-	-	-	-	-
3 H K H - 1176	51.47	-	-	7.01	116.68	43.92	-	57.65	-	-	-	-	-	-	-	-
CHECKS:																
4 PARKASH	-	-	-	-	2.87	36.33	-	17.95	-	-	11.06	-	-	-	-	-
5 X - 3342	-	-	-	-	43.05	71.74	-	47.33	-	-	15.00	-	-	-	-	-
6 KIRAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SI NO PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK			
	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN
1 J K M H - 1701	54.0	52.3	56.0	54.1	55.0	55.3	56.3	55.5	101.8	93.3	88.7	94.6
2 F H - 3259	53.0	52.0	53.3	52.8	54.3	54.0	56.7	55.0	96.3	90.8	86.7	91.2
3 H K H - 1176	54.8	55.0	55.7	55.1	55.8	58.3	59.3	57.8	103.5	94.0	91.3	96.3
CHECKS:												
4 PARKASH	51.5	51.5	54.3	52.4	52.5	53.5	58.3	54.8	98.3	90.3	90.0	92.8
5 X - 3342	52.0	52.0	54.0	52.7	53.0	55.0	58.0	55.3	97.0	89.5	91.3	92.6
6 KIRAN	53.3	52.5	53.3	53.0	54.3	55.5	57.3	55.7	97.8	87.8	88.3	91.3
MEAN LOCATION												
C.D. AT 5%	0.8	1.6	1.0	1.1	0.7	1.2	4.6	2.1	1.5	2.4	1.3	1.7
C.V. %	1.0	2.0	1.0	-	0.8	1.4	4.4	-	1.0	1.8	0.8	-
F (Prob)	.000	.004	.001	-	.000	.000	.707	-	.000	.001	.000	-

TABLE NO. 32 (CONT.)

Sl NO	PEDIGREE	MOISTURE % AT HARVEST			PLANT ASPECT *			EAR ASPECT *			
		ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN
1	J K M H - 1701	36.3	26.1	21.3	27.9	2.2	2.3	2.2	1.8	1.9	1.8
2	F H - 3259	31.1	25.0	21.6	25.9	2.2	2.0	2.1	2.2	2.0	2.1
3	H K H - 1176	32.2	25.9	22.0	26.7	2.5	2.1	2.3	2.3	2.1	2.2
CHECKS:											
4	PARKASH	30.4	24.3	23.0	25.9	2.5	2.8	2.6	2.5	2.5	2.5
5	X - 3342	32.5	24.1	20.8	25.8	2.5	2.0	2.2	2.3	2.1	2.2
6	KIRAN	30.8	25.6	21.2	25.9	2.6	2.8	2.7	2.6	2.5	2.5
MEAN LOCATION											
	C.D. AT 5% =	2.1	0.8	2.1	1.7	0.2	0.3	0.2	0.1	0.3	0.2
	C.V. % =	4.3	2.2	5.4	-	5.6	8.5	-	3.9	8.6	-
	F (Prob)	.000	.000	.338	-	.001	.000	-	.000	.001	-

Sl NO	PEDIGREE	HUSK COVER *			UNIFORMITY *			PLANT HEIGHT (cm)			
		ALMO.	BAJA	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	
1	J K M H - 1701	1.9	2.3	2.1	2.4	2.4	2.4	218	198	135	
2	F H - 3259	1.8	2.0	1.9	2.3	2.0	2.2	206	194	143	
3	H K H - 1176	2.7	2.6	2.7	2.5	2.5	2.5	202	189	127	
CHECKS:											
4	PARKASH	2.0	2.1	2.0	2.8	2.6	2.7	238	220	160	
5	X - 3342	1.8	2.1	2.0	2.8	2.5	2.7	234	224	155	
6	KIRAN	2.0	2.3	2.1	2.9	2.6	2.8	238	209	147	
MEAN LOCATION											
	C.D. AT 5% =	0.2	0.3	0.3	0.1	0.3	0.2	10.1	15.3	18.5	
	C.V. % =	7.0	10.2	-	3.0	7.1	-	3.0	5.0	7.0	
	F (Prob)	.000	.025	-	.000	.001	-	.000	.001	.021	

TABLE NO. 32 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)			ZN 1		H. turcicum		H. may.		
		ALMO	BAJA	KANG	MEAN	ALMO	BAJA	ALMO	BAJA	ALMO	BAJA
1	J K M H - 1701	109	98	58	89	1.10	1.8	1.1	1.8	1.4	1.0
2	F H - 3259	98	88	58	81	1.05	2.3	1.4	2.3	1.8	1.2
3	H K H - 1176	103	101	55	86	1.07	2.0	1.3	2.0	1.6	1.1
CHECKS:											
4	PARKASH	130	111	70	104	1.03	3.9	2.7	3.9	3.3	1.6
5	X - 3342	126	104	65	98	1.14	2.4	1.5	2.4	1.9	1.5
6	KIRAN	130	107	58	98	1.14	4.1	2.8	4.1	3.5	1.7
MEAN LOCATION											
C.D. AT 5%		6.4	12.3	11.7	10.1	-	2.7	1.8	2.7	2.3	1.4
C.V. %		3.7	8.1	10.5	-	-	0.6	0.4	0.6	0.5	0.3
F (Prob)		.000	.017	.140	-	-	13.5	16.0	13.5	-	12.8
							.000	.000	.000		.000

NO	PEDIGREE	PHYSO			STAND AT HARVEST			ZN 1		
		ALMO	BAJA	KANG	ALMO	BAJA	KANG	MEAN	ALMO	BAJA
1	J K M H - 1701	1.8	101	98	84	94	94	94	94	94
2	F H - 3259	1.0	98	90	85	91	91	91	91	91
3	H K H - 1176	1.1	40	53	80	58	58	58	58	58
CHECKS:										
4	PARKASH	1.1	96	90	90	92	92	92	92	92
5	X - 3342	1.3	101	91	91	94	94	94	94	94
6	KIRAN	1.0	97	91	86	91	91	91	91	91
MEAN LOCATION										
C.D. AT 5%		0.3	10.1	7.3	4.9	7.4	7.4	7.4	7.4	7.4
C.V. %		16.0	7.6	5.6	3.1	-	-	-	-	-
F (Prob)		.000	.000	.000	.006	-	-	-	-	-

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

TABLE NO. 33

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRID AT DELHI (IARI), LUDHIANA (1), LUDHIANA (2), KARNAL, PANTNAGAR, KANPUR IN TRIAL NO. TR71Z2 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												Zn		
		DELH	R	LU D1	R	LU D2	R	KARN	R	PANT	R	KANP	R	MEAN	R	
1	KAVERI - 2020	2717	4	4612	2	7169	1	6236	2	3037	3	5804	1	4929	3	
CHECKS:																
2	PARKASH	3656	1	5717	1	6929	2	5373	3	3196	2	5008	2	4980	2	
3	X - 3342	2774	2	4267	3	6620	3	7535	1	3917	1	4952	3	5011	1	
4	KIRAN	2732	3	3774	4	5378	4	4606	4	2639	4	4003	4	3855	4	
	MEAN YIELD=	2970		4593		6524		5937		3197		4942		4694		
	MEAN STAND	73		106		105		64		73		116		89		
	C.D. AT 5%	1524		1051		564		202		711		336		731		
	C.V. %	26.58		18.94		7.16		1.76		18.40		4.37		-		
	F (Prob)	.386		.006		.000		.000		.021		.000		-		
	PLOT SIZE=	15.00		16.38		16.38		15.00		22.50		18.00		-		
AGRONOMY DATA:																
	SOWING DATE (2005)	9-07		3-07		5-07		28-06		8-.7		1-07		-		
	HARVEST DATE (2005)	-		5-10		14-10		29-09		10-10		8-10		-		
	IRRIGATION Nos	4		-		-		4		1		-		-		
	FERTILIZER APPLIED N	100		88		88		150		120		-		-		
	P	80		16		40		60		60		-		-		
	K	60		-		-		40		40		-		-		

TABLE NO. 33 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED					DAYS TO 50% SILKING					ZN 2 MEAN	
		LUD1	LUD2	KARN	KAMP	ZN 2 MEAN	DELH	LUD1	LUD2	KARN	PANT		KAMP
1	KAVERI - 2020	52.3	46.8	48.3	51.0	49.6	53.0	53.7	47.5	50.3	50.7	55.5	51.8
CHECKS:													
2	PARKASH	50.0	45.0	47.3	51.8	48.5	54.0	50.2	44.5	49.3	48.5	56.5	50.5
3	X - 3342	51.3	45.8	46.3	54.0	49.4	50.0	52.7	46.5	48.3	48.7	59.0	50.9
4	KIRAN	49.7	45.2	47.0	46.0	47.0	53.3	51.2	46.7	49.0	49.7	50.8	50.1
MEAN LOCATION													
	C.D. AT 5% =	1.3	1.0	1.0	3.6	1.7	0.6	1.5	0.8	1.0	1.2	3.5	1.4
	C.V. % =	2.1	1.8	1.1	4.4	-	0.5	2.3	1.3	1.0	1.9	4.0	-
	F (Prob)	.002	.005	.015	.005	-	.000	.001	.000	.015	.004	.003	-

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 2 MEAN	
		LUD1	LUD2	KARN	KAMP	ZN 2 MEAN	DELH	LUD1	LUD2	PANT	KAMP		
1	KAVERI - 2020	83.8	81.3	87.7	85.3	84.5	21.6	23.2	21.1	30.6	24.1	24.1	
CHECKS:													
2	PARKASH	82.3	82.2	88.7	84.5	84.4	18.6	22.2	21.2	30.9	23.2	23.2	
3	X - 3342	81.8	79.5	85.7	85.3	83.1	18.1	22.3	21.0	25.3	21.7	21.7	
4	KIRAN	81.3	79.7	85.3	84.8	82.8	20.5	22.0	20.8	26.0	22.3	22.3	
MEAN LOCATION													
	C.D. AT 5% =	0.9	1.3	1.3	3.8	1.8	4.9	0.3	0.3	2.3	2.3	2.0	
	C.V. % =	0.9	1.3	0.7	2.8	-	12.5	1.1	1.1	6.7	-	-	
	F (Prob)	.000	.001	.002	.960	-	.342	.000	.092	.000	-	-	

TABLE NO. 33 (CONT.)

Sl No	PEDIGREE	PLANT ASP.* KANP	EAR ASPECT *		ZN 2 MEAN	HUSK COV.* KANP	UNIFO -RMITY* KANP	PLANT HEIGHT (cm)				ZN 2 MEAN		
			DELH	KANP				DELH	LUD1	LUD2	KARN		PANT	KANP
1	KAVERI - 2020	3.1	2.0	3.1	2.6	3.3	3.0	185	153	184	183	199	164	178
CHECKS:														
2	PARKASH	3.1	2.0	3.1	2.6	3.1	3.1	165	161	208	195	208	164	184
3	X - 3342	3.1	2.5	3.0	2.8	3.4	3.0	168	151	212	207	222	164	188
4	KIRAN	3.3	2.3	3.1	2.7	3.4	3.1	160	164	209	193	221	167	186
MEAN LOCATION														
	C.D. AT 5% =	0.4	0.9	0.3	0.6	0.4	0.3	16.1	18.1	16.6	11.0	13.0	3.9	13.1
	C.V. % =	8.5	19.6	6.7	-	8.1	6.1	4.7	9.3	6.6	2.8	5.0	1.5	-
	F (Prob)	.880	.455	.783	-	.522	.631	.038	.359	.010	.012	.005	.237	-

Sl No	PEDIGREE	EAR HEIGHT (cm)				ZN 2 MEAN	EAR No./PLANT							
		DELH	LUD1	LUD2	KARN		DELH	LUD1	LUD2	LUD2				
1	KAVERI - 2020	85.0	66.7	85.8	106.7	84.2	67.0	82.6	0.92	0.92	1.03	-	-	-
CHECKS:														
2	PARKASH	75.0	79.2	109.2	98.3	99.0	68.5	88.2	1.13	0.97	1.09	-	-	-
3	X - 3342	73.3	72.5	110.0	116.7	107.7	71.8	92.0	0.93	0.96	0.99	-	-	-
4	KIRAN	68.3	79.2	101.7	96.7	95.3	64.5	84.3	0.92	0.94	1.04	-	-	-
MEAN LOCATION														
	C.D. AT 5% =	75.4	74.4	101.7	104.6	96.5	67.9	86.8	-	-	-	-	-	-
	C.V. % =	15.9	12.1	12.4	11.2	11.9	6.0	11.6	-	-	-	-	-	-
	F (Prob)	10.5	13.2	9.9	5.3	10.0	5.5	11.6	-	-	-	-	-	-
		.175	.125	.003	.016	.006	.116	-	-	-	-	-	-	-

Sl No	PEDIGREE	STAND AT HARVEST				ZN 2 MEAN		
		DELH	LUD1	LUD2	KARN			
1	KAVERI - 2020	82	105	105	68	67	118	91
CHECKS:								
2	PARKASH	71	105	106	66	74	116	90
3	X - 3342	68	110	109	65	71	116	90
4	KIRAN	70	104	98	57	79	115	87
MEAN LOCATION								
	C.D. AT 5% =	18.4	10.6	105	64	73	116	89
	C.V. % =	12.7	8.1	6.9	4.6	12.3	2.0	9.2
	F (Prob)	.356	.725	.018	.006	.286	.088	-

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

TABLE NO. 34

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT BELIPAR GORAKHPUR, VARANASI, DHOLI, KUSHMAHOT, AMBIKAPUR IN AET 2nd YEAR, TRIAL NO. TR71Z3 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN 3	
		BELI	R	VARA	R	DHOL	R	KUSH	R	AMBI	R	MEAN	R
1	J K M H - 1701	2257	2	5461	1	4813	3	6150	5	8145	1	5365	1
2	F H - 3259	2020	3	3975	4	4107	4	6370	2	5971	4	4489	4
CHECKS:													
3	PARKASH	2001	4	4531	3	4815	2	6452	1	6522	2	4864	3
4	X - 3342	2725	1	5012	2	5865	1	6327	3	6461	3	5278	2
5	KIRAN	1889	5	3403	5	3782	5	6313	4	5014	5	4080	5
	MEAN YIELD=	2178		4476		4677		6322		6423		4815	
	MEAN STAND	103		114		108		114		115		111	
	C.D. AT 5% =	524		376		1061		552		533		609	
	C.V. % =	15.85		6.35		14.96		7.32		6.96		-	
	F (Prob)	.000		.000		.122		.685		.000		-	
	PLOT SIZE=	18.00		22.50		22.50		22.50		18.00		-	
AGRONOMY DATA:													
	SOWING DATE (2005)	5-07		12-07		9-07		17-07		7-07		-	
	HARVEST DATE (2005)	14-10		12-10		10-10		23-10		-		-	
	IRRIGATION Nos	2		1		-		2		-		-	
	FERTILIZER APPLIED N	120		80		100		120		80		-	
	P	60		40		60		60		50		-	
	K	60		40		40		40		30		-	

TABLE NO. 34 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				ZN 3 MEAN	
	GORA BELI	VARA	DHOL	KUSH AMBI	GORA BELI	VARA	DHOL	KUSH AMBI		
1 J K M H - 1701	54.8	46.4	49.3	54.3	43.7	49.7	51.3	55.5	46.8	52.1
2 F H - 3259	54.3	48.0	45.3	49.5	42.3	47.9	47.8	51.5	45.8	50.7
CHECKS:										
3 PARKASH	55.8	46.2	46.5	49.8	43.7	48.4	50.8	50.3	47.0	51.1
4 X - 3342	52.5	45.4	49.5	49.8	42.8	48.0	52.0	51.2	45.8	50.5
5 KIRAN	54.8	45.8	48.0	48.8	42.5	48.0	50.0	51.5	45.5	50.9
MEAN LOCATION	54.4	46.4	47.7	50.5	43.0	48.4	50.3	52.0	46.2	51.1
C.D. AT 5% =	0.7	1.7	2.6	1.8	0.9	1.5	1.8	1.5	0.9	1.3
C.V. % =	0.9	2.7	3.5	3.0	1.8	-	2.3	2.3	1.5	-
F (Prob)	.000	.045	.015	.000	.013	-	.002	.000	.004	-

S1 NO PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				ZN 3 MEAN	
	GORA BELI	VARA	DHOL	AMBI	GORA BELI	VARA	KUSH	MEAN		
1 J K M H - 1701	85.8	83.0	80.0	86.8	23.5	35.6	28.2	29.1	29.1	
2 F H - 3259	82.8	83.2	75.0	86.2	21.0	30.7	25.3	25.7	25.7	
CHECKS:										
3 PARKASH	85.8	82.4	84.3	86.3	21.8	30.9	27.0	26.5	26.5	
4 X - 3342	82.8	79.6	79.3	85.3	22.1	30.7	29.1	27.3	27.3	
5 KIRAN	86.0	81.0	78.0	85.3	21.1	28.3	26.1	25.2	25.2	
MEAN LOCATION	84.6	81.8	79.3	86.0	21.9	31.2	27.1	26.8	26.8	
C.D. AT 5% =	1.1	1.8	2.0	1.6	0.6	0.6	3.9	1.7	1.7	
C.V. % =	0.8	1.6	1.6	1.6	1.8	1.5	11.8	-	-	
F (Prob)	.000	.002	.000	.274	.000	.000	.274	-	-	

TABLE NO. 34 (CONT.)

Sl No	PEDIGREE	PLANT ASPECT *			EAR ASPECT *			HUSK COVER *						
		GORA BELI	DHOL KUSH AMBI	ZN 3 MEAN	GORA BELI	DHOL KUSH AMBI	ZN 3 MEAN	GORA BELI	DHOL KUSH AMBI	ZN 3 MEAN				
1	J K M H - 1701	2.3	2.5	2.8	3.0	2.6	2.3	2.3	2.3	3.0	2.4	2.3	2.9	2.6
2	F H - 3259	2.9	2.5	2.8	2.7	2.7	3.0	3.1	2.3	2.7	2.8	2.6	2.7	2.7
CHECKS:														
3	PARKASH	2.1	2.0	2.7	2.8	2.4	2.4	2.3	2.2	2.9	2.4	2.4	2.8	2.6
4	X - 3342	2.1	2.8	2.8	3.7	2.9	2.0	2.4	2.3	2.9	2.4	2.1	2.7	2.4
5	KIRAN	2.9	3.1	3.2	2.5	2.9	2.8	2.9	2.7	2.5	2.7	2.6	2.7	2.6
MEAN LOCATION														
	C.D. AT 5%	0.4	0.7	0.3	1.3	0.7	0.4	0.6	0.3	0.3	0.4	0.3	0.3	0.3
	C.V. %	10.2	18.8	9.1	36.3	-	10.1	16.0	11.0	8.2	-	8.5	8.2	-
	F (Prob)	.001	.069	.033	.387	-	.001	.032	.033	.004	-	.015	.273	-

Sl No	PEDIGREE	UNIFORMITY *			PLANT HEIGHT (cm)			Zn 3		
		GORA BELI	DHOL KUSH AMBI	ZN 3 MEAN	GORA BELI	VARA DHOL KUSH AMBI	DHOL KUSH AMBI	GORA BELI	DHOL KUSH AMBI	ZN 3 MEAN
1	J K M H - 1701	1.8	2.3	3.1	2.4	208	145	115	229	161
2	F H - 3259	2.6	2.1	2.6	2.5	205	141	115	223	157
CHECKS:										
3	PARKASH	1.8	2.3	2.6	2.2	232	165	131	245	176
4	X - 3342	2.3	3.1	2.6	2.7	237	166	149	245	185
5	KIRAN	2.9	3.5	2.6	3.0	223	170	146	234	177
MEAN LOCATION										
	C.D. AT 5%	0.5	0.6	0.3	0.5	11.0	23.4	13.2	15.1	15.9
	C.V. %	13.3	15.9	9.1	-	3.7	9.7	8.3	5.3	-
	F (Prob)	.000	.002	.012	-	.048	.000	.000	.022	-

TABLE NO. 34 (CONT.)

SI NO PEDIGREE	EAR HEIGHT (cm)					EAR No./PLANT			H.turc *
	GORA BELI	VARA	DHOL	KUSH	AMBI	GORA BELI	KUSH	AMBI	
1 J K M H - 1701	39	82	66	43	81	0.98	0.93	1.02	1.0
2 F H - 3259	38	78	55	43	71	0.97	0.93	1.02	2.5
CHECKS:									
3 PARKASH	40	93	88	65	101	0.98	0.99	1.02	1.0
4 X - 3342	56	87	88	68	91	0.99	0.98	1.00	1.0
5 KIRAN	44	92	92	69	93	0.99	0.99	0.99	1.0
MEAN LOCATION									
C.D. AT 5%	13.3	4.2	20.7	12.2	7.3	-	-	-	1.3
C.V. %	19.9	3.7	17.3	17.7	6.9	-	-	-	0.5
F (Prob)	.077	.000	.007	.000	.000	-	-	-	28.8
ZN 3 MEAN									

SI NO PEDIGREE	STAND AT HARVEST					ZN 3		
	GORA BELI	VARA	DHOL	KUSH	AMBI	GORA BELI	KUSH	AMBI
1 J K M H - 1701	111	116	119	113	127	117	117	117
2 F H - 3259	103	114	116	114	114	112	112	112
CHECKS:								
3 PARKASH	106	113	108	117	113	111	111	111
4 X - 3342	111	111	89	112	113	107	107	107
5 KIRAN	87	116	109	113	109	107	107	107
MEAN LOCATION								
C.D. AT 5%	9.2	10.1	19.6	5.9	8.1	10.6	10.6	10.6
C.V. %	5.8	6.6	11.8	4.3	5.9	-	-	-
F (Prob)	.001	.808	.044	.542	.002	-	-	-

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

TABLE NO. 35

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT HYDERABAD, KARIMNAGAR, ARBHAVI (1), ARBHAVI (2), MANDYA, COIMBATORE IN AET 2nd YEAR TRIAL NO. TR71Z4 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 4	
		HYDE	R	KARI	R	ARB1	R	ARB2	R	MAND	R	COIM	R	MEAN	R
1	KAVERI - 2020	6320	2	3045	3	5239	2	5200	2	4951	4	5041	2	4966	2
2	J K M H - 1701	7464	1	3755	1	7025	1	6172	1	5302	1	6235	1	5992	1
3	F H - 3246	5575	4	3317	2	4873	3	4939	3	4964	3	4144	4	4635	3
CHECKS:															
4	PARKASH	4872	5	2987	4	4540	5	4197	5	5290	2	4288	3	4362	5
5	X - 3342	6319	3	2856	5	4756	4	4776	4	4838	5	3980	5	4587	4
6	KIRAN	4727	6	2551	6	3375	6	3154	6	3776	6	3257	6	3473	6
	MEAN YIELD=	5879		3085		4968		4740		4854		4491		4669	
	MEAN STAND	89		94		106		90		89		87		93	
	C.D. AT 5% =	951		729		981		808		1863		622		992	
	C.V. % =	10.84		15.84		13.24		11.43		21.35		9.28		-	
	F (Prob)	.000		.013		.000		.002		.326		.000		-	
	PLOT SIZE=	22.50		21.80		22.50		22.50		21.00		14.40		-	
AGRONOMY DATA:															
	SOWING DATE (2005)	30-06		9-07		14-07		14-07		7-08		2-07		-	
	HARVEST DATE (2005)	1-11		12-10		24-12		24-11		10-12		6-10		-	
	IRRIGATION Nos	-		-		4		4		5		8		-	
	FERTILIZER APPLIED N	120		180		150		150		150		135		-	
	P	60		60		75		75		75		63		-	
	K	40		30		38		38		40		50		-	

TABLE NO. 35 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% POLLEN SHED						ZN 4	
		HYDE	KARI	ARB1	ARB2	MAND	COIM	MEAN	MEAN
1	KAVERI - 2020	57.3	48.0	58.0	57.0	49.3	50.5	53.3	
2	J K M H - 1701	56.5	47.3	57.5	59.3	51.7	50.5	53.8	
3	F H - 3246	56.8	46.3	56.5	57.8	51.3	50.5	53.2	
	CHECKS:								
4	PARKASH	57.0	47.0	56.3	56.0	52.3	49.3	53.0	
5	X - 3342	56.3	47.3	54.5	55.8	50.7	49.5	52.3	
6	KIRAN	57.5	47.5	56.8	57.5	51.3	48.8	53.2	
	MEAN LOCATION	56.9	47.2	56.6	57.2	51.1	49.8	53.1	
	C.D. AT 5% =	1.9	1.0	1.5	2.2	3.2	0.8	1.8	
	C.V. % =	2.2	1.4	1.8	2.6	3.5	1.1	-	
	F (Prob)	.724	.047	.004	.045	.470	.001	-	

Sl NO	PEDIGREE	DAYS TO 50% SILKING						ZN 4		DAYS TO 50% DRY HUSK			
		HYDE	KARI	ARB1	ARB2	MAND	COIM	MEAN	MEAN	HYDE	KARI	MAND	COIM
1	KAVERI - 2020	59.5	51.3	58.5	58.3	53.3	53.8	55.8	88.5	79.3	92.3	93.8	88.5
2	J K M H - 1701	59.3	51.0	58.8	60.3	53.7	54.0	56.2	88.5	79.3	93.0	94.0	88.7
3	F H - 3246	60.5	48.8	56.8	58.3	53.3	54.0	55.3	88.8	78.3	93.0	94.0	88.5
	CHECKS:												
4	PARKASH	59.5	50.8	56.3	56.3	54.3	53.3	55.1	88.5	78.5	93.0	93.3	88.3
5	X - 3342	59.0	50.5	56.0	58.0	52.7	53.5	54.9	88.5	79.3	92.3	93.5	88.4
6	KIRAN	60.3	51.5	58.5	59.8	54.0	52.0	56.0	89.8	78.5	92.3	92.0	88.1
	MEAN LOCATION	59.7	50.6	57.5	58.5	53.6	53.4	55.5	88.8	78.8	92.7	93.4	88.4
	C.D. AT 5% =	1.5	1.2	1.7	2.6	3.9	0.7	1.9	2.2	1.2	1.6	0.7	1.4
	C.V. % =	1.7	1.6	2.0	3.0	4.0	0.8	-	1.6	1.0	1.0	0.5	-
	F (Prob)	.318	.003	.007	.062	.946	.000	-	.779	.282	.770	.000	-

TABLE NO. 35 (CONT.)

Sl No	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				ZN 4 MEAN		
		HYDE	ARB1	ARB2	MAND	HYDE	KARI	ARB1	ARB2		MAND	
1	KAVERI - 2020	21.3	17.2	19.3	18.6	19.1	2.3	2.3	2.5	2.0	2.7	2.3
2	J K M H - 1701	24.4	19.1	22.0	17.4	20.7	2.3	1.8	2.3	2.3	2.7	2.2
3	F H - 3246	22.6	17.8	18.4	17.3	19.0	2.4	1.8	2.3	2.3	2.7	2.3
CHECKS:												
4	PARKASH	22.2	16.4	18.0	18.2	18.7	3.1	3.0	2.8	2.5	3.0	2.9
5	X - 3342	20.3	21.4	17.4	18.8	19.5	2.5	2.8	3.0	2.8	3.0	2.8
6	KIRAN	20.0	18.1	17.0	17.1	18.1	2.8	2.8	3.0	3.0	2.3	2.8
MEAN LOCATION												
	C.D. AT 5% =	21.8	18.3	18.7	17.9	19.2	2.5	2.4	2.6	2.5	2.7	2.5
	C.V. % =	2.5	3.3	1.0	1.2	2.0	0.4	0.6	0.2	0.2	0.9	0.5
	F (Prob) =	7.7	12.1	3.7	3.7	-	9.7	17.6	4.3	6.3	18.6	-
		.020	.074	.000	.043	-	.001	.002	.000	.000	.611	-

Sl No	PEDIGREE	EAR ASPECT *				HUSK COVER *				ZN 4 MEAN		
		HYDE	KARI	ARB1	ARB2	HYDE	KARI	ARB1	ARB2		MAND	
1	KAVERI - 2020	2.1	2.0	3.3	2.8	2.7	2.3	2.0	2.0	2.7	2.2	
2	J K M H - 1701	1.6	1.8	2.8	2.5	1.7	2.1	1.5	2.0	2.7	2.1	
3	F H - 3246	2.6	1.5	2.5	2.5	2.0	2.2	1.5	2.0	2.7	2.1	
CHECKS:												
4	PARKASH	2.9	1.0	2.5	3.0	2.3	2.3	1.8	2.5	2.0	2.4	
5	X - 3342	2.6	1.5	3.0	3.0	2.5	2.3	1.8	2.3	2.0	2.3	
6	KIRAN	2.9	1.5	3.5	3.5	2.7	2.8	2.0	2.5	2.5	2.4	
MEAN LOCATION												
	C.D. AT 5% =	2.5	1.5	2.9	2.9	2.3	2.4	1.8	2.2	2.1	2.2	
	C.V. % =	0.4	0.7	0.2	0.3	1.5	0.6	0.6	0.3	0.3	0.5	
	F (Prob) =	10.9	30.4	3.6	7.0	37.3	9.9	24.1	7.7	8.0	17.0	
		.000	.135	.000	.000	.681	.099	.389	.001	.003	.838	

TABLE NO. 35 (CONT.)

Sl No	PEDIGREE	UNIFORMITY *										PLANT HEIGHT (cm)				ZN 4 MEAN
		HYDE	KARI	ARB1	ARB2	MAND	ZN 4 MEAN	HYDE	KARI	MAND	COIM	HYDE	KARI	MAND	COIM	
1	KAVERI - 2020	2.4	2.0	2.0	2.0	3.0	2.3	2.0	2.0	3.0	2.3	1.75	1.50	1.62	1.51	160
2	J K M H - 1701	2.3	2.3	2.3	2.0	2.7	2.2	2.0	2.7	2.2	1.55	1.48	1.80	1.71	163	
3	F H - 3246	2.5	1.5	2.3	2.0	2.7	2.2	2.0	2.7	2.2	1.55	1.44	1.71	1.54	156	
4	CHECKS	3.0	2.8	2.5	2.5	3.0	2.8	2.5	3.0	2.8	1.78	1.45	1.63	1.66	163	
5	PARKASH	2.5	2.0	2.8	3.0	2.7	2.6	3.0	2.7	2.6	1.53	1.24	1.64	1.66	160	
6	X 3342	2.5	2.1	2.3	2.3	2.8	2.4	2.3	2.8	2.4	1.63	1.44	1.68	1.62	159	
	KIRAN LOCATION	2.0	1.0	0.2	0.1	0.9	0.5	0.1	0.9	0.5	17.3	14.2	24.2	6.7	15.6	
	MEAN	2.3	1.7	2.5	2.1	2.8	2.4	2.1	2.8	2.4	17.0	14.2	24.2	6.7	15.6	
	C.D. At 5%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.32	0.07	0.576	0.00	-	
	C.V. (%)	0.03	0.251	0.00	0.00	0.838	-	0.00	0.838	-	0.032	0.007	0.576	0.00	-	
	F (Prob)															

Sl No	PEDIGREE	EAR HEIGHT (cm)										EAR No./PLANT			
		HYDE	KARI	MAND	COIM	ZN 4 MEAN	HYDE	KARI	MAND	COIM	HYDE	KARI	MAND	COIM	
1	KAVERI - 2020	67.5	38.8	61.7	59.3	56.8	1.05	0.92	1.03	1.00	1.05	0.92	1.03	1.00	
2	J K M H - 1701	60.0	46.5	78.0	71.5	64.0	1.04	0.98	1.00	1.00	1.04	0.98	1.00	1.00	
3	F H - 3246	55.0	44.3	71.3	58.0	57.1	1.05	0.93	1.00	0.99	1.05	0.93	1.00	0.99	
4	CHECKS	75.0	49.8	67.0	74.3	64.0	1.05	0.95	1.06	0.97	1.05	0.95	1.06	0.97	
5	PARKASH	57.0	51.3	69.0	71.5	60.2	1.10	0.94	1.07	0.98	1.10	0.94	1.07	0.98	
6	X 3342	70.0	45.3	66.3	67.7	63.0	1.03	0.92	1.00	1.01	1.03	0.92	1.00	1.01	
	KIRAN LOCATION	64.2	45.0	67.8	64.3	60.9	-	-	-	-	-	-	-	-	
	MEAN	14.4	14.6	23.0	14.1	14.1	-	-	-	-	-	-	-	-	
	C.D. At 5%	1.4	1.4	2.7	4.3	4.3	-	-	-	-	-	-	-	-	
	C.V. (%)	0.62	0.120	0.577	0.00	0.00	-	-	-	-	-	-	-	-	
	F (Prob)														

Sl No	PEDIGREE	STAND AT HARVEST										ZN 4 MEAN			
		HYDE	KARI	ARB1	ARB2	MAND	COIM	HYDE	KARI	MAND	COIM	HYDE	KARI	MAND	COIM
1	KAVERI - 2020	92	87	88	92	95	91	91	91	91	91	91	91	91	91
2	J K M H - 1701	75	93	113	78	83	91	91	91	91	91	91	91	91	91
3	F H - 3246	82	105	125	96	91	74	74	74	74	74	74	74	74	
4	CHECKS	96	110	105	88	91	93	93	93	93	93	93	93	93	
5	PARKASH	98	85	113	95	88	85	85	85	85	85	85	85	85	
6	X 3342	89	94	106	90	89	87	87	87	87	87	87	87	87	
	KIRAN LOCATION	14.1	13.3	20.5	14.3	7.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
	MEAN	10.1	9.4	12.5	10.5	4.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	C.D. At 5%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	C.V. (%)	0.19	0.003	0.013	0.00	0.049	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	F (Prob)														

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

TABLE NO. 36

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT UDAIPUR, PRATABGARH, BANSWARA, KHEDBRAHMA, KHASIL GODHRA, CHHINDIWARA IN AET 2nd YEAR, TRIAL NO. TR71Z5 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE														
		UDAI	R	PRAT	R	BANS	R	KHED	R	GHAS	R	GODH	R	CHHI	R	ZN
1	J H - 31036	5303	2	3482	5	5509	2	1748	3	3311	2	7772	3	4521	2	
2	J K M H - 1701	7314	1	4619	1	4474	5	1734	4	3359	1	11804	1	5551	1	
CHECKS:																
3	PARKASH	4915	3	4610	2	5314	3	1875	2	2665	4	7525	4	4484	3	
4	X - 3342	3971	4	3862	4	4933	4	2106	1	2916	3	8114	2	4317	4	
5	KIRAN	3333	5	4077	3	5641	1	1611	5	1760	5	5158	5	3596	5	
	MEAN YIELD=	4967		4130		5174		1815		2802		8074		4494		
	MEAN STAND	88		86		83		111		77		112		93		
	C.D. AT 5%	740		433		670		403		485		760		582		
	C.V. %	9.83		8.81		10.87		18.65		14.53		6.21		-		
	F (Prob)	.000		.091		.005		.003		.000		.000		-		
	PLOT SIZE=	18.00		18.00		18.00		18.00		18.00		16.80		-		
AGRONOMY DATA:																
	SOWING DATE (2005)	2-07		7-07		30-06		29-07		8-07		8-07		-		
	HARVEST DATE (2005)	5-10		27-10		8-10		11-11		30-10		22-10		-		
	IRRIGATION NOS	-		-		-		-		2		-		-		
	FERTILIZER APPLIED N	90		120		120		100		-		100		-		
	P	60		80		80		50		-		60		-		
	K	-		-		-		-		-		40		-		

TABLE NO. 36 (CONT.)

SI NO PEDIGREE	DAYS TO 50% POLLEN SHED							ZN 5 MEAN
	UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI		
1 J H - 31036	56.3	41.7	43.5	49.2	53.5	49.5	48.9	
2 J K M H - 1701	54.8	43.2	48.2	49.3	55.5	48.3	49.9	
CHECKS:								
3 PARKASH	54.0	41.5	44.0	47.7	49.0	49.0	47.5	
4 X - 3342	51.0	43.0	47.0	47.3	48.0	48.5	47.5	
5 KIRAN	50.3	40.7	44.3	48.0	51.5	48.3	47.2	
MEAN LOCATION								
C.D. AT 5%	53.3	2.0	45.3	48.3	51.5	48.7	48.2	
C.V. %	1.5	1.7	1.3	2.6	1.5	0.6	1.5	
F (Prob)	1.8	3.3	2.3	4.4	2.4	0.8	-	
	.000	.024	.000	.395	.000	.002	-	

SI NO PEDIGREE	DAYS TO 50% SILKING							ZN 5 MEAN
	UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI		
1 J H - 31036	59.0	44.8	46.8	52.7	56.8	50.3	51.7	
2 J K M H - 1701	58.0	46.3	50.5	52.5	59.0	49.3	52.6	
CHECKS:								
3 PARKASH	56.0	45.2	47.7	52.3	53.0	49.8	50.7	
4 X - 3342	54.0	46.5	50.0	52.2	52.0	49.0	50.6	
5 KIRAN	53.0	43.5	47.8	52.8	55.2	50.3	50.4	
MEAN LOCATION								
C.D. AT 5%	56.0	45.3	48.6	52.5	55.2	49.7	51.2	
C.V. %	1.4	1.6	1.4	2.1	1.2	1.3	1.5	
F (Prob)	1.7	3.0	2.5	3.4	1.8	1.6	-	
	.000	.006	.000	.969	.000	.167	-	

TABLE NO. 36 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK							ZN 5 MEAN
		UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI		
1	J H - 31036	86.8	73.5	71.7	75.8	90.7	86.5	80.8	
2	J K M H - 1701	87.5	74.8	76.3	79.0	88.7	88.0	82.4	
	CHECKS:								
	PARKASH	85.	74.7	73.2	76.0	87.8	83.5	80.1	
	X - 3342	83.0	73.8	74.0	77.7	89.5	84.5	80.3	
	KIRAN	82.3	72.2	73.5	74.3	85.5	80.0	78.8	
	MEAN LOCATION	85.0	73.8	73.7	77.4	88.4	84.5	80.5	
	C.D. AT 5% =	1.7	1.3	2.0	3.7	1.3	2.1	2.1	
	C.V. % =	1.3	1.5	2.6	4.0	1.2	1.6	-	
	F (Prob)	.000	.003	.014	.168	.000	.000	-	

Sl No	PEDIGREE	MOISTURE % AT HARVEST							ZN 5 MEAN
		UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI		
1	J H - 31036	16.6	16.8	16.5	12.9	15.9	18.7	16.2	
2	J K M H - 1701	17.1	16.8	16.8	13.5	16.8	19.7	16.8	
	CHECKS:								
3	PARKASH	17.8	16.9	17.1	10.7	18.5	19.7	16.8	
4	X - 3342	17.0	16.8	16.3	12.1	17.0	18.3	16.2	
5	KIRAN	17.1	16.8	16.7	11.8	18.6	18.9	16.6	
	MEAN LOCATION	17.1	16.8	16.7	12.2	17.4	19.0	16.5	
	C.D. AT 5% =	0.4	0.5	0.7	1.2	0.7	0.9	0.7	
	C.V. % =	1.6	2.7	3.6	7.9	3.4	3.1	-	
	F (Prob)	.001	.984	.198	.001	.000	.016	-	

TABLE NO. 36 (CONT.)

PLANT ASPECT *								
Sl No	PEDIGREE	UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI	ZN 5 MEAN
1	J H - 31036	2.2	2.4	2.0	3.0	1.3	1.0	2.0
2	J K M H - 1701	1.8	2.1	2.1	3.0	1.2	1.0	1.9
CHECKS:								
3	PARKASH	2.3	2.0	2.1	3.2	3.5	1.3	2.4
4	X - 3342	2.1	2.0	2.0	3.0	3.0	1.3	2.2
5	KIRAN	2.0	1.9	2.2	3.2	3.2	2.0	2.4
MEAN LOCATION								
	C.D. AT 5% =	2.1	2.1	2.1	3.1	2.4	1.3	2.2
	C.V. % =	0.4	0.2	0.3	0.3	0.7	0.2	0.3
	F (Prob) =	11.6	8.2	10.2	8.6	24.5	11.1	-
		.074	.001	.627	.592	.000	.000	-

EAR ASPECT *								
Sl No	PEDIGREE	UDAI	PRAT	BANS	KHED	GODH KHAS	CHHI	ZN 5 MEAN
1	J H - 31036	1.6	2.1	2.0	3.0	1.5	1.1	1.9
2	J K M H - 1701	2.0	2.3	2.3	3.7	1.5	1.0	2.1
CHECKS:								
3	PARKASH	1.7	2.2	2.2	3.2	2.8	1.1	2.2
4	X - 3342	1.8	2.1	2.1	3.5	2.8	1.1	2.2
5	KIRAN	1.5	1.9	2.2	3.7	3.2	1.5	2.3
MEAN LOCATION								
	C.D. AT 5% =	1.7	2.1	2.1	3.4	2.4	1.2	2.2
	C.V. % =	0.3	0.3	0.3	0.9	0.7	0.3	0.5
	F (Prob) =	12.9	13.6	10.4	23.0	26.3	17.8	-
		.058	.374	.383	.482	.000	.049	-

TABLE NO. 37

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS AT ALMORA, BAJAURA, KANGRA IN AET 2nd YEAR, TRIAL No. TR72Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE HIM - 129					
		ALMO	R	BAJA	R	KANG	R	ZN 1 MEAN	R	ALMO	BAJA	KANG	ZN 1 MEAN
1	F H - 3211	8900	1	7122	3	3236	2	6419	1	48.12	43.50	2.05	36.17
2	F QH - 4567	8816	2	6649	4	2890	5	6118	3	46.71	33.99	-	29.78
CHECKS:													
3	HIM - 129	6009	4	4963	6	3171	4	4714	5	-	-	-	-
4	SURYA	3662	6	6352	5	3217	3	4410	6	-	27.99	1.46	-
5	AMAR	4691	5	7774	1	2762	6	5076	4	-	56.65	-	7.66
6	VIVEK HYBRID - 9	8275	3	7566	2	3239	1	6360	2	37.71	52.46	2.15	34.91
	MEAN YIELD=	6726		6738		3086		5516					
	MEAN STAND	107		92		84		94					
	C.D. AT 5%	936		696		283		638					
	C.V. %	9.33		6.92		5.10		-					
	F (Prob)	.000		.000		.000		-					
	PLOT SIZE=	18.00		14.40		12.00		-					
AGRONOMY DATA:													
	SOWING DATE(2005)	9-07		9-07		18-06		-					
	HARVEST DATE(2005)	8-11		22-10		-		-					
	IRRIGATION NOS	-		2		-		-					
	FERTILIZER APPLIED N	80		120		80		-					
	P	60		60		60		-					
	K	40		40		40		-					

TABLE NO. 37 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE				SUPERIORITY OVER THE			
		SURYA ALMO	BAJA	KANG	ZN 1 MEAN	AMAR ALMO	BAJA	KANG	ZN 1 MEAN
1	F H - 3211	143.08	12.12	0.58	45.56	89.74	-	17.17	26.48
2	F QH - 4567	140.77	4.69	-	38.73	87.94	-	4.62	20.54
CHECKS:									
3	HIM - 129	64.11	-	-	6.89	28.10	-	14.81	-
4	SURYA	-	-	-	-	-	-	16.49	-
5	AMAR	28.11	22.39	-	15.09	-	-	-	-
6	VIVEK HYBRID - 9	126.00	19.12	0.68	44.21	76.41	-	17.28	25.31

Sl No	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE				DAYS TO 50% POLLEN SHED			
		VIVEK HYBRID - 9 ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN
1	F H - 3211	7.55	-	-	0.93	50.3	54.3	47.3	50.6
2	F QH - 4567	6.53	-	-	-	49.8	52.3	47.7	49.9
CHECKS:									
3	HIM - 129	-	-	-	-	49.5	51.0	47.7	49.4
4	SURYA	-	-	-	-	51.0	54.0	50.0	51.7
5	AMAR	-	2.75	-	-	54.0	53.3	49.0	52.1
6	VIVEK HYBRID - 9	-	-	-	-	50.0	50.8	47.0	49.3
MEAN LOCATION									
C.D. AT 5%		-	-	-	-	0.8	1.7	1.6	1.4
C.V. %		-	-	-	-	1.1	2.2	1.8	-
F (Prob)		-	-	-	-	.000	.002	.015	-

TABLE NO. 37 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% SILKING				DRY HUSK 50%				MOISTURE % AT HARVEST			
	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN
1 F H - 3211	51.3	56.8	50.7	52.9	98.0	90.8	83.3	90.7	31.9	21.3	20.4	24.6
2 F QH - 4567	50.8	54.8	51.7	52.4	98.3	89.3	82.0	89.8	29.9	21.0	21.2	24.0
CHECKS:												
3 HIM - 129	50.5	53.0	50.7	51.4	96.3	88.8	84.0	89.7	29.6	20.5	19.9	23.4
4 SURYA	53.0	56.3	54.3	54.5	95.3	86.5	83.7	88.5	25.8	20.1	19.7	21.9
5 AMAR	55.0	55.3	52.3	54.2	95.8	87.5	83.3	88.9	27.5	20.0	20.7	22.7
6 VIVEK HYBRID - 9	51.0	53.0	51.7	51.9	98.5	88.5	82.3	89.8	30.4	21.7	19.7	24.0
MEAN LOCATION	51.9	54.8	51.9	52.9	97.0	88.5	83.1	89.6	29.2	20.8	20.3	23.4
C.D. AT 5% =	0.8	1.8	0.9	1.1	1.3	4.2	1.1	2.2	2.0	0.4	1.6	1.3
C.V. % =	1.0	2.1	0.9	-	0.9	3.2	0.8	-	4.4	1.2	4.3	-
F (Prob)	.000	.001	.000	-	.000	.408	.018	-	.000	.000	.313	-

S1 NO PEDIGREE	PLANT ASPECT *				EAR ASPECT *				HUSK COVER *				UNIFORMITY *			
	ALMO	BAJA	ZN 1 MEAN	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 1 MEAN
1 F H - 3211	2.2	2.4	2.3	2.2	2.2	2.0	2.1	1.8	2.0	2.0	1.9	2.2	2.2	2.3	2.2	2.2
2 F QH - 4567	2.3	2.4	2.4	2.2	2.3	2.3	2.2	2.2	2.3	2.3	2.2	2.2	2.3	2.0	2.2	2.2
CHECKS:																
3 HIM - 129	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.1	2.1	2.3	2.3	2.6	2.0	2.3	2.3
4 SURYA	2.8	2.9	2.8	2.8	2.5	2.7	2.7	1.9	2.5	2.5	2.2	2.2	2.9	2.4	2.6	2.6
5 AMAR	2.7	2.8	2.7	2.8	2.3	2.5	2.5	2.3	2.1	2.1	2.2	2.2	2.8	2.5	2.7	2.7
6 VIVEK HYBRID-9	2.3	2.0	2.2	2.2	2.0	2.1	2.1	2.2	2.3	2.3	2.2	2.2	2.3	2.3	2.3	2.3
MEAN LOCATION	2.5	2.5	2.5	2.4	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.5	2.2	2.4	2.4
C.D. AT 5% =	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.1	0.3	0.2	0.2
C.V. % =	4.4	8.2	-	5.6	8.8	-	-	5.0	10.7	-	-	-	3.5	8.8	-	-
F (Prob)	.000	.000	-	.000	.014	-	-	.000	.122	-	-	-	.000	.014	-	-

TABLE NO. 37 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			EAR No / PLANT			H. turcicum *		
		ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	ZN 1 MEAN	
1	F H - 3211	219	193	177	196	108	95	63	88	1.05	1.6	1.9	1.7
2	F QH - 4567	214	181	165	187	108	83	65	85	1.05	1.5	1.8	1.6
CHECKS:													
3	HIM - 129	210	185	152	182	106	90	58	85	1.02	1.6	1.9	1.7
4	SURYA	213	182	148	181	108	98	62	89	1.05	3.6	3.5	3.5
5	AMAR	211	188	150	183	106	94	72	91	1.02	2.8	3.3	3.0
6	VIVEK HYBRID-9	213	195	168	192	106	95	65	89	1.07	1.4	2.0	1.7
MEAN LOCATION		213	187	160	187	107	92	64	88	-	2.1	2.4	2.2
C.D. AT 5%		4.3	15.3	19.8	13.1	3.5	14.0	10.1	9.2	-	0.3	0.6	0.5
C.V. %		1.3	5.4	6.8	-	2.2	10.1	8.6	-	-	10.4	16.9	-
F (Prob)		.006	.357	.046	-	.399	.360	.185	-	-	.000	.000	-

Sl NO	PEDIGREE	H. maydis *			PHYSO -DERMA*			STAND AT HARVEST			ZN 1		
		ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN	ALMO	BAJA	KANG	ZN 1 MEAN
1	F H - 3211	1.5	1.5	1.5	1.5	2.0	1.8	112	91	81	81	95	
2	F QH - 4567	1.6	1.5	1.5	1.5	1.8	1.8	112	93	80	80	95	
CHECKS:													
3	HIM - 129	1.6	1.5	1.5	1.6	2.1	2.1	103	97	89	89	96	
4	SURYA	1.8	1.9	1.7	1.8	1.8	1.8	106	94	86	86	95	
5	AMAR	1.8	1.6	1.6	1.7	1.9	1.9	105	91	82	82	93	
6	VIVEK HYBRID - 9	1.4	1.6	1.5	1.5	1.8	1.8	106	90	83	83	93	
MEAN LOCATION		1.6	1.6	1.6	1.6	1.9	1.9	107	92	84	84	94	
C.D. AT 5%		0.4	0.3	0.3	0.3	0.2	0.2	7.8	4.8	4.0	4.0	5.6	
C.V. %		15.6	10.8	-	-	7.4	7.4	4.8	3.5	2.6	2.6	-	
F (Prob)		.347	.052	-	-	.075	.075	.097	.068	.006	.006	-	

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

TABLE NO. 38 (CONT.)

S1 NO PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				ZN 2					
	IARI DELH	LUDD1	LUDD2	KARN	KANP	IARI DELH	LUDD1	LUDD2	KARN	PANT	KANP	PANT	MEAN	MEAN
1 F H - 3211	44.0	49.3	42.7	42.7	53.3	46.0	50.7	43.7	44.7	46.8	57.3	46.8	48.2	48.2
2 A H - 23025	46.0	52.0	49.7	47.3	55.0	48.3	53.3	51.0	49.7	49.3	59.0	49.3	51.8	51.8
CHECKS:														
3 HIM - 129	45.7	46.7	41.3	43.3	54.0	48.3	48.0	42.7	45.3	47.8	58.0	47.8	48.3	48.3
4 SURYA	52.0	49.3	46.3	44.3	55.0	54.0	51.0	48.3	46.7	48.0	59.0	48.0	51.2	51.2
5 AMAR	48.3	50.0	47.0	44.7	55.0	50.3	51.7	48.3	46.7	47.8	59.0	47.8	50.6	50.6
6 VIVEK HYBRID-9	48.3	50.0	45.3	42.3	54.0	50.3	51.7	46.7	44.3	47.3	58.3	47.3	49.8	49.8
MEAN LOCATION	47.4	49.6	45.4	44.1	54.4	49.6	51.1	46.8	46.2	47.8	58.4	47.8	50.0	50.0
C.D. AT 5% =	7.2	1.3	2.6	1.1	0.3	6.9	1.8	3.0	1.1	1.4	0.4	1.4	2.4	2.4
C.V. % =	8.4	1.4	3.2	1.4	0.4	7.6	1.9	3.5	1.3	1.9	0.5	1.9	-	-
F (Prob)	.274	.000	.000	.000	.000	.262	.002	.001	.000	.031	.000	.031	.000	.000

S1 NO PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				ZN 2						
	IARI DELH	LUDD1	LUDD2	KARN	KANP	IARI DELH	LUDD1	LUDD2	PANT	IARI DELH	LUDD1	LUDD2	PANT	MEAN	MEAN
1 F H - 3211	77.3	79.7	81.0	80.0	80.0	16.4	21.6	22.5	27.1	16.4	21.6	22.5	27.1	21.9	21.9
2 A H - 23025	82.0	84.3	83.0	81.3	82.6	21.7	23.0	22.1	31.5	21.7	23.0	22.1	31.5	24.6	24.6
CHECKS:															
3 HIM - 129	72.7	75.3	79.7	80.8	77.1	15.9	21.5	21.0	22.1	15.9	21.5	21.0	22.1	20.1	20.1
4 SURYA	75.0	79.0	77.3	81.5	78.2	14.9	21.8	21.0	25.4	14.9	21.8	21.0	25.4	20.8	20.8
5 AMAR	76.7	77.3	78.3	81.0	78.3	16.0	21.9	21.3	28.5	16.0	21.9	21.3	28.5	21.9	21.9
6 VIVEK HYBRID - 9	81.3	85.3	80.0	80.8	81.9	18.3	22.0	22.2	31.5	18.3	22.0	22.2	31.5	23.5	23.5
MEAN LOCATION	77.5	80.2	79.9	80.9	79.6	17.2	22.0	21.7	27.7	17.2	22.0	21.7	27.7	22.1	22.1
C.D. AT 5% =	1.7	1.7	0.8	1.2	1.4	2.0	0.7	0.5	2.2	2.0	0.7	0.5	2.2	1.3	1.3
C.V. % =	1.2	1.2	0.5	1.0	-	6.2	1.7	1.2	5.3	6.2	1.7	1.2	5.3	-	-
F (Prob)	.000	.000	.000	.222	-	.000	.005	.000	.000	.000	.005	.000	.000	-	-

TABLE NO. 38 (CONT.)

SI NO	PEDIGREE	PLANT ASP.*		EAR ASPECT *		ZN 2 MEAN	HUSK COV.*		UNIFO -RMITY*		PLANT HEIGHT (cm)				ZN 2 MEAN
		KANP	KANP	DELH	KANP		KANP	KANP	KANP	KANP	IARI DELH	IARI LUD1	IARI LUD2	KARN PANT	
1	F H - 3211	3.0	3.1	2.2	3.1	2.6	3.1	3.0	3.0	120	128	165	192	170	
2	A H - 23025	2.3	2.1	2.3	2.1	2.2	2.3	2.1	2.1	145	148	167	193	163	
CHECKS: 129		3.0	3.1	2.5	3.1	2.8	3.1	3.1	3.0	143	117	142	187	168	
3	HIM - 129	3.4	3.1	2.8	3.1	3.0	3.1	3.1	3.4	140	142	145	187	157	
4	SURYA	3.1	3.0	2.5	3.0	2.8	3.0	3.0	3.4	160	143	143	175	160	
5	AMAR	3.1	3.0	2.7	3.0	2.5	3.0	3.0	2.9	146	136	172	182	160	
6	VIVEK HYBRID-9	3.0	2.4	2.7	2.4	2.5	2.4	2.4	2.9	171	20.3	156	186	168	
MEAN LOCATION		0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	17.1	20.3	20.0	11.5	14.5	
C.D. AT 5% =		8.8	8.0	-	8.0	-	9.3	9.6	9.6	6.4	8.3	7.1	15.3	11.1	
C.V. % =		0.01	0.00	-	0.00	-	0.02	0.00	0.00	0.01	0.53	0.19	0.47	0.00	
F (Prob)															

SI NO	PEDIGREE	EAR HEIGHT (cm)		KARN	PANT	KANP	ZN 2 MEAN	EAR No./PLANT		LUD2
		IARI DELH	IARI LUD1					DELH	LUD1	
1	F H - 3211	45	55	88	69	71	65	0.96	0.93	0.87
2	A H - 23025	62	78	102	95	60	79	0.79	0.96	0.94
CHECKS: 129		70	52	85	75	65	67	1.09	0.92	1.03
3	HIM - 129	60	70	90	85	51	71	0.87	0.93	1.03
4	SURYA	70	57	90	77	58	68	1.05	0.95	0.93
5	AMAR	65	55	95	79	60	70	0.89	0.97	1.10
6	VIVEK HYBRID - 9	62	61	92	79	61	70	-	-	-
MEAN LOCATION		16.2	24.3	10.7	12.5	3.8	15.2	-	-	-
C.D. AT 5% =		14.4	21.8	6.4	10.5	4.1	-	-	-	-
C.V. % =		0.54	1.84	0.69	0.04	0.00	-	-	-	-
F (Prob)										

SI NO	PEDIGREE	STAND AT HARVEST		KARN	PANT	KANP	ZN 2 MEAN	LUD2	LUD1	LUD2
		IARI DELH	IARI LUD1							
1	F H - 3211	56	110	58	92	108	82	69	81	83
2	A H - 23025	57	116	63	81	115	83	67	79	80
CHECKS: 129		52	104	67	73	104	80	48	73	74
3	HIM - 129	57	113	73	79	105	80	53	79	80
4	SURYA	51	104	71	60	108	77	69	60	77
5	AMAR	54	110	66	77	107	79	63	77	79
6	VIVEK HYBRID - 9	57	115	66	77	107	79	63	77	79
MEAN LOCATION		18.0	3.8	5.6	21.8	1.0	13.3	24.8	18.7	13.3
C.D. AT 5% =		19.0	0.23	4.6	18.7	1.0	-	21.8	18.7	-
C.V. % =		0.931	0.023	0.01	0.122	0.00	-	0.259	0.122	-
F (Prob)										

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

TABLE NO. 39

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS AT HYDERABAD, KARIMNAGAR, ARBHAVI, MANDYA, COIMBATORE, KOLHAPUR IN AET 2ND YEAR, TRIAL NO. TR72Z4 DURING KHARIF (2005).

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	D E H - 10103	1523	4	2330	9	3249	5	4116	5	2452	8	2005	4	2612	6	
2	D E H - 10303	1419	7	2847	4	3900	4	4106	6	2957	5	1958	5	2864	4	
3	D E H - 10503	1543	3	2698	5	2902	8	4135	4	3415	1	1329	8	2670	5	
4	F H - 3211	1497	5	3325	3	5315	1	5259	1	3030	3	2729	3	3526	2	
5	F QH - 4567	1605	2	3806	1	4522	3	5144	2	2961	4	3151	2	3531	1	
CHECKS:																
6	HIM - 129	1213	9	2556	7	3037	7	3853	7	2388	9	1704	6	2458	8	
7	SURYA	1232	8	2577	6	2297	9	2659	9	2587	7	1330	7	2114	9	
8	AMAR	1624	1	2480	8	3073	6	3453	8	3039	2	1259	9	2488	7	
9	VIVEK HYBRID - 9	1490	6	3514	2	4978	2	5029	3	2852	6	3153	1	3502	3	
	MEAN YIELD=	1461		2904		3697		4195		2853		2068		2863		
	MEAN STAND	35		80		100		86		85		102		81		
	C.D. AT 5%	372		556		604		613		373		408		488		
	C.V. %	17.51		13.17		11.25		8.48		8.99		11.45		-		
	F (Prob)	.002		.000		.000		.000		.000		.000		-		
	PLOT SIZE=	22.50		22.50		22.50		21.00		14.40		18.00		-		
AGRONOMY DATA:																
	SOWING DATE(2005)	13-.7		9-07		15-08		7-08		2-07		29-06		-		
	HARVEST DATE(2005)	9-11		10-10		20-12		13-12		3-10		11-10		-		
	IRRIGATION NOS	-		-		6		5		8		-		-		
	FERTILIZER APPLIED	N	120	180		150		150		135		100		-		
		P	60	60		75		75		63		50		-		
		K	40	30		8		40		50		30		-		

TABLE NO. 39 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE HIM - 129										
Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN		
1	D E H - 10103	25.53	-	6.98	6.81	2.70	17.66	6.26		
2	D E H - 10303	16.96	11.40	28.41	6.57	23.84	14.89	16.51		
3	D E H - 10503	27.22	5.57	-	7.32	43.02	-	8.62		
4	F H - 3211	23.40	30.10	74.99	36.50	26.90	60.18	43.42		
5	F QH - 4567	32.26	48.90	48.87	33.50	24.03	84.91	43.64		
CHECKS:										
6	HIM - 129	-	-	-	-	-	-	-		
7	SURYA	1.57	0.82	-	-	8.35	-	-		
8	AMAR	33.85	-	1.18	-	27.28	-	1.20		
9	VIVEK HYBRID - 9	22.79	37.47	63.90	30.53	19.43	85.03	42.47		

GRAIN YIELD % SUPERIORITY OVER THE SURYA										
Sl No	PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN		
1	D E H - 10103	23.59	-	41.42	54.75	-	50.77	23.59		
2	D E H - 10303	15.16	10.50	69.75	54.40	14.30	47.22	35.52		
3	D E H - 10503	25.25	4.71	26.30	55.49	32.00	-	26.33		
4	F H - 3211	21.49	29.05	131.34	97.76	17.12	105.25	66.81		
5	F QH - 4567	30.22	47.69	96.81	93.42	14.47	136.95	67.06		
CHECKS:										
6	HIM - 129	-	-	32.20	44.88	-	28.14	16.31		
7	SURYA	-	-	-	-	-	-	-		
8	AMAR	31.78	-	33.75	29.84	17.48	-	17.70		
9	VIVEK HYBRID - 9	20.90	36.36	116.67	89.12	10.23	137.10	65.70		

TABLE NO. 39 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE AMAR

Sl NO PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1 D E H - 10103	-	-	5.73	19.19	-	59.26	5.00
2 D E H - 10303	-	14.81	26.91	18.92	-	55.51	15.13
3 D E H - 10503	-	8.80	-	19.75	12.36	5.57	7.33
4 F H - 3211	-	34.09	72.96	52.31	-	116.81	41.72
5 F OH - 4567	-	53.46	47.14	48.97	-	150.29	41.94
CHECKS:							
6 HIM - 129	-	3.06	-	11.58	-	35.36	-
7 SURYA	-	3.91	-	-	-	5.63	-
8 AMAR	-	-	-	-	-	-	-
9 VIVEK HYBRID - 9	-	41.68	61.99	45.65	-	150.45	40.78

GRAIN YIELD & SUPERIORITY OVER THE VIVEK HYBRID - 9

Sl NO PEDIGREE	HYDE	KARI	ARBH	MAND	COIM	KOLH	ZN 4 MEAN
1 D E H - 10103	2.23	-	-	-	-	-	-
2 D E H - 10303	-	-	-	-	3.69	-	-
3 D E H - 10503	3.60	-	-	-	19.75	-	-
4 F H - 3211	0.50	-	6.77	4.57	6.25	-	0.67
5 F OH - 4567	7.71	8.31	-	2.27	3.85	-	0.82
CHECKS:							
6 HIM - 129	-	-	-	-	-	-	-
7 SURYA	-	-	-	-	-	-	-
8 AMAR	9.00	-	-	-	6.57	-	-
9 VIVEK HYBRID - 9	-	-	-	-	-	-	-

TABLE NO. 39 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED							ZN 4 MEAN
		HYDE	KARI	ARBH	MAND	COIM	KOLH		
1	D E H - 10103	50.3	39.0	47.8	44.0	43.8	50.0	45.8	
2	D E H - 10303	50.0	42.0	49.5	45.3	47.0	51.3	47.5	
3	D E H - 10503	50.5	44.0	50.5	48.0	47.5	52.0	48.8	
4	F H - 3211	50.5	43.0	49.3	44.7	46.3	52.0	47.6	
5	F OH - 4567	50.5	43.8	49.0	45.0	45.5	51.3	47.5	
CHECKS:									
6	HIM - 129	50.3	40.8	49.8	44.0	40.3	51.0	46.0	
7	SURYA	50.3	42.0	50.0	46.3	46.3	52.0	47.8	
8	AMAR	50.8	43.5	51.5	48.7	47.3	52.0	48.9	
9	VIVEK HYBRID - 9	50.5	44.3	48.3	44.3	45.8	51.0	47.3	
	MEAN LOCATION	50.4	42.5	49.5	45.6	45.5	51.4	47.5	
	C.D. AT 5% =	1.8	1.6	1.9	1.8	0.9	0.8	1.5	
	C.V. % =	2.5	2.6	2.6	2.3	1.3	0.9	-	
	F (Prob)	.998	.000	.016	.000	.000	.001	-	
SI NO	PEDIGREE	DAYS TO 50 % SILKING							ZN 4 MEAN
		HYDE	KARI	ARBH	MAND	COIM	KOLH		
1	D E H - 10103	52.0	41.3	48.0	46.0	47.8	51.3	47.7	
2	D E H - 10303	52.5	44.8	50.3	47.7	50.0	52.3	49.6	
3	D E H - 10503	52.8	46.5	51.5	50.0	51.0	53.0	50.8	
4	F H - 3211	52.5	45.8	49.3	47.3	50.3	53.0	49.7	
5	F OH - 4567	52.8	46.5	48.8	47.0	48.8	52.3	49.3	
CHECKS:									
6	HIM - 129	52.3	43.3	49.8	46.0	43.5	52.3	47.8	
7	SURYA	52.3	45.0	50.5	48.7	50.0	53.0	49.9	
8	AMAR	53.3	46.3	52.5	50.7	50.3	53.0	51.0	
9	VIVEK HYBRID - 9	52.3	47.8	48.3	46.3	48.8	52.0	49.2	
	MEAN LOCATION	52.5	45.2	49.9	47.7	48.9	52.5	49.5	
	C.D. AT 5% =	1.5	1.8	1.9	1.7	0.7	0.9	1.4	
	C.V. % =	1.9	2.7	2.6	2.0	1.0	1.0	-	
	F (Prob)	.812	.000	.001	.000	.000	.013	-	

TABLE NO. 39 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				ZN 4		
		HYDE	KARI	MAND	COIM	KOLH	MEAN	HYDE	ARBH	MAND	KOLH	MEAN
1	D E H - 10103	89.8	75.3	87.3	87.8	83.7	84.8	18.0	15.8	17.9	19.5	17.8
2	D E H - 10303	90.0	77.5	88.3	90.0	85.3	86.2	19.7	19.8	19.0	18.5	19.3
3	D E H - 10503	90.8	77.8	87.3	91.0	87.7	86.9	18.3	20.3	17.8	19.5	19.0
4	F H - 3211	90.3	76.8	91.0	90.3	86.7	87.0	19.4	16.3	17.9	21.0	18.6
5	F OH - 4567	90.0	78.5	88.3	88.8	84.7	86.1	19.4	15.5	16.8	17.4	17.3
CHECKS:												
6	HIM - 129	90.0	75.3	87.0	83.5	84.0	83.9	19.3	18.1	16.9	19.0	18.3
7	SURYA	89.0	76.8	88.0	90.0	85.0	85.8	18.5	16.1	17.9	20.1	18.2
8	AMAR	90.5	77.8	88.3	90.3	85.7	86.5	19.8	19.0	17.8	21.0	19.4
9	VIVEK HYBRID - 9	90.0	79.3	89.3	88.8	84.0	86.3	20.1	17.0	17.2	20.0	18.6
MEAN LOCATION												
	C.D. AT 5% =	1.9	2.9	2.4	0.7	2.0	2.0	1.0	1.5	1.0	2.4	1.5
	C.V. % =	1.5	2.5	1.6	0.6	1.3	-	3.6	5.8	3.3	7.1	-
	F (Prob)	.809	.110	.068	.000	.008	-	.002	.000	.009	.097	-

Sl No	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				ZN 4		
		HYDE	KARI	ARBH	MAND	KOLH	MEAN	HYDE	KARI	ARBH	MAND	KOLH
1	D E H - 10103	2.8	2.8	3.0	2.0	2.5	2.6	3.3	2.3	3.0	3.0	2.2
2	D E H - 10303	2.6	2.8	2.8	2.0	2.7	2.6	3.1	1.3	2.8	2.7	2.0
3	D E H - 10503	2.4	2.8	3.0	2.0	2.3	2.5	3.0	2.3	2.8	3.0	2.3
4	F H - 3211	2.3	2.0	2.8	2.3	1.8	2.2	2.8	3.0	2.5	1.3	1.8
5	F OH - 4567	2.6	2.0	2.5	2.3	1.7	2.2	3.3	1.3	2.5	1.7	1.5
CHECKS:												
6	HIM - 129	2.5	3.0	2.8	2.3	2.8	2.7	3.3	2.0	3.0	3.3	2.0
7	SURYA	2.1	3.0	3.0	2.0	2.3	2.5	2.9	2.0	3.0	2.3	2.3
8	AMAR	2.5	2.8	3.0	2.3	2.5	2.6	2.9	1.8	2.8	3.3	2.5
9	VIVEK HYBRID - 9	2.4	2.3	2.0	2.3	1.8	2.2	3.1	1.5	2.5	2.0	1.5
MEAN LOCATION												
	C.D. AT 5% =	0.5	0.5	0.3	0.5	0.6	0.5	0.4	0.6	0.2	0.8	0.5
	C.V. % =	14.7	13.7	6.4	13.9	15.5	-	8.4	23.0	4.5	19.1	14.8
	F (Prob)	.343	.001	.000	.473	.009	-	.069	.000	.000	.001	.006

TABLE NO. 39 (CONT.)

Sl NO	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 4 MEAN
		HYDE	KARI	ARBH	MAND	KOLH	HYDE	KARI	ARBH	MAND	KOLH	
1	D E H - 10103	2.5	2.3	2.5	3.0	2.3	2.4	2.3	2.7	2.3	2.5	2.5
2	D E H - 10303	2.8	2.3	2.8	3.0	2.3	2.3	3.0	2.3	2.0	2.4	2.4
3	D E H - 10503	2.3	2.0	2.5	2.7	2.0	2.5	3.5	2.7	2.0	2.6	2.6
4	F H - 3211	2.1	1.3	2.5	2.3	1.8	2.5	1.0	2.3	2.3	2.2	2.2
5	F QH - 4567	2.3	1.3	2.3	2.7	1.7	2.1	1.8	2.7	1.5	2.1	2.1
CHECKS:												
6	HIM - 129	2.5	2.3	2.8	2.3	2.3	2.4	3.0	2.7	2.7	2.6	2.6
7	SURYA	2.3	2.0	2.5	3.0	1.8	2.6	2.8	2.0	2.3	2.5	2.5
8	AMAR	2.4	2.0	2.3	2.7	2.2	2.4	2.8	3.0	2.2	2.6	2.6
9	VIVEK HYBRID - 9	2.3	1.5	2.3	2.3	2.1	2.5	1.8	2.0	1.7	2.0	2.0
MEAN LOCATION												
C.D. AT 5% = 0.6												
C.V. % = 16.3												
F (Prob) = .461												

Sl NO	PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 4 MEAN
		HYDE	KARI	MAND	COIM	KOLH	HYDE	KARI	MAND	COIM	KOLH	
1	D E H - 10103	213	154	156	134	140	108	64	67	56	60	71
2	D E H - 10303	220	179	167	138	133	113	81	73	56	50	75
3	D E H - 10503	190	175	168	142	140	95	68	85	62	53	72
4	F H - 3211	198	180	163	131	155	85	69	66	53	62	67
5	F QH - 4567	208	175	159	140	143	100	77	67	59	70	74
CHECKS:												
6	HIM - 129	220	139	159	120	118	113	65	65	54	60	71
7	SURYA	198	164	161	135	113	98	76	78	60	55	73
8	AMAR	180	165	146	145	105	80	66	67	65	45	65
9	VIVEK HYBRID - 9	190	179	167	141	117	78	78	75	57	52	68
MEAN LOCATION												
C.D. AT 5% = 12.3												
C.V. % = 4.2												
F (Prob) = .000												

TABLE NO. 39 (CONT.)

Sl NO PEDIGREE	EAR NO./PLANT				H.turc STAND AT HARVEST				ZN 4				
	HYDE	KARI	MAND	COIM	KOLH	KOLH	KOLH	KOLH		COIM	KOLH	MEAN	
1 D E H - 10103	1.02	1.02	1.09	0.96	0.89	2.3	14	82	106	85	86	114	81
2 D E H - 10303	1.10	1.06	1.17	0.93	0.84	2.5	45	84	109	92	90	113	89
3 D E H - 10503	1.01	0.97	1.05	1.00	0.80	2.2	53	86	79	81	72	99	78
4 F H - 3211	1.03	0.93	1.14	0.99	0.93	2.3	39	80	112	90	71	105	83
5 F QH - 4567	1.01	0.96	1.01	0.99	0.91	2.0	20	85	125	90	95	103	86
CHECKS:													
6 HIM - 129	1.05	0.94	0.99	0.97	0.83	2.2	32	73	98	80	86	103	79
7 SURYA	1.03	0.95	1.04	0.98	0.87	2.3	38	73	82	65	86	85	71
8 AMAR	1.01	0.94	1.02	0.98	0.71	2.5	46	75	91	92	94	85	80
9 VIVEK HYBRID - 9	1.00	0.93	1.04	1.00	0.73	2.5	26	83	96	95	87	112	83
MEAN LOCATION													
C.D. AT 5%	-	-	-	-	-	2.3	35	80	100	86	85	102	81
C.V. %	-	-	-	-	-	0.5	14.4	12.5	27.6	13.9	4.8	20.1	15.5
F (Prob)	-	-	-	-	-	12.4	28.4	10.7	19.0	9.4	3.9	11.4	-
	-	-	-	-	-	.397	.000	.243	.047	.009	.000	.051	-

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

TABLE NO. 40

PERFORMANCE OF EXTRA EARLY MATURING. EXPERIMENTAL HYBRID AT UDAIPUR, PRATABGARH, BANSWARA, GODHRA, CHHINDIWARA IN TRIAL NO. TR72Z5 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN 5		OV/L		
		UDAI	R	PRAT	R	BANS	R	GODH	R	CHHI	R	MEAN	R	MEAN	R	
1	A H - 23039	7190	1	3623	4	6279	2	2372	1	7257	2	5344	1	5344	1	
CHECKS:																
2	HIM - 129	2855	5	3672	3	4782	5	1515	5	6108	3	3787	3	3787	3	
3	SURYA	3223	3	4077	1	4906	3	1671	4	4511	5	3678	4	3678	4	
4	AMAR	2952	4	3047	5	4853	4	1728	3	5030	4	3522	5	3522	5	
5	VIVEK HYBRID - 9	3726	2	3996	2	6443	1	1849	2	8043	1	4811	2	4811	2	
	MEAN YIELD=	3989		3683		5453		1827		6190		4228		4228		
	MEAN STAND	65		77		94		53		115		81		81		
	C.D. AT 5%	1047		550		1292		324		1077		858		858		
	C.V. %	14.21		9.85		15.62		11.69		11.48		-		-		
	F (Prob)	.000		.000		.011		.003		.000		-		-		
	PLOT SIZE=	18.00		18.00		18.00		18.00		16.80		-		-		
AGRONOMY DATA:																
	SOWING DATE (2005)	2-07		-		30-06		8-07		8-.7		-		-		
	HARVEST DATE (2005)	5-10		27-10		8-10		30-10		22-10		-		-		
	IRRIGATION NOB	-		-		-		-		-		-		-		
	FERTILIZER APPLIED N	90		120		120		-		80		-		-		
	P	60		80		80		-		50		-		-		
	K	-		-		-		-		30		-		-		

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 30%) : DAHO 33.0%

TABLE NO. 40 (CONT.)

GRAIN YIELD % SUPERIORITY OVER THE HIM - 129							
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN
1	A H - 23039	151.80	-	31.30	56.57	18.80	41.13
CHECKS:							
2	HIM - 129	-	-	-	-	-	-
3	SURYA	12.89	11.03	2.58	10.28	-	-
4	AMAR	3.40	-	1.48	14.05	-	-
5	VIVEK HYBRID - 9	30.49	8.84	34.72	22.04	31.67	27.06
GRAIN YIELD % SUPERIORITY OVER THE SURYA							
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN
1	A H - 23039	123.05	-	27.99	41.97	60.87	45.32
CHECKS:							
2	HIM - 129	-	-	-	-	35.42	2.97
3	SURYA	-	-	-	-	-	-
4	AMAR	-	-	-	3.42	11.51	-
5	VIVEK HYBRID - 9	15.60	-	31.32	10.66	78.30	30.83
GRAIN YIELD % SUPERIORITY OVER THE AMAR							
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN
1	A H - 23039	143.52	18.92	29.38	37.28	44.27	51.74
CHECKS:							
2	HIM - 129	-	20.51	-	-	21.45	7.51
3	SURYA	9.18	33.80	1.09	-	-	4.42
4	AMAR	-	-	-	-	-	-
5	VIVEK HYBRID - 9	26.21	31.16	32.75	7.00	59.90	36.61
GRAIN YIELD % SUPERIORITY OVER THE VIVEK HYBRID - 9							
SI NO	PEDIGREE	UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN
1	A H - 23039	92.95	-	-	28.29	-	11.07
CHECKS:							
2	HIM - 129	-	-	-	-	-	-
3	SURYA	-	2.02	-	-	-	-
4	AMAR	-	-	-	-	-	-
5	VIVEK HYBRID - 9	-	-	-	-	-	-

TABLE NO. 40 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED					DAYS TO 50% SILKING					ZN 5 MEAN	
		UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN	UDAI	PRAT	BANS	GODH		CHHI
1	A H - 23039	51.0	41.5	42.3	42.8	48.0	45.1	54.7	43.8	44.8	46.5	49.8	47.9
CHECKS:													
2	HIM - 129	43.3	39.8	38.8	42.5	48.0	42.5	47.3	43.5	41.8	45.3	48.3	45.2
3	SURYA	48.3	38.8	40.5	42.5	48.3	43.7	52.0	42.3	43.0	47.0	49.0	46.7
4	AMAR	49.0	40.3	40.8	43.0	47.5	44.1	53.0	43.5	43.3	47.8	48.5	47.2
5	VIVEK HYBRID-9	46.3	40.0	39.3	41.8	47.3	42.9	48.0	43.0	42.0	45.0	47.8	45.2
MEAN LOCATION													
	C.D. AT 5% =	3.1	1.5	1.7	1.6	1.1	1.8	3.6	1.3	1.8	2.8	1.2	2.1
	C.V. % =	3.5	2.4	2.7	2.5	1.5	-	3.7	2.0	2.7	4.0	1.6	-
	F (Prob)	.004	.025	.005	.567	.343	-	.005	.164	.023	.238	.029	-

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 5 MEAN	
		UDAI	PRAT	BANS	GODH	CHHI	ZN 5 MEAN	PRAT	BANS	GODH	CHHI		
1	A H - 23039	82.7	72.3	72.0	79.0	89.5	79.1	16.3	16.8	16.9	17.9	17.0	
CHECKS:													
2	HIM - 129	75.7	69.5	70.8	79.8	79.0	74.9	16.8	16.5	18.5	18.7	17.6	
3	SURYA	78.7	69.5	69.5	80.5	78.0	75.2	17.5	16.4	17.1	16.8	17.0	
4	AMAR	73.0	73.5	71.8	78.0	78.0	74.8	16.5	15.9	16.5	19.7	17.1	
5	VIVEK HYBRID - 9	78.0	71.0	71.0	77.0	81.0	75.6	17.5	17.5	20.0	18.3	18.3	
MEAN LOCATION													
	C.D. AT 5% =	6.5	2.4	1.4	1.9	0.9	2.6	0.5	1.2	1.0	0.3	0.8	
	C.V. % =	4.4	2.2	1.3	1.5	0.7	-	1.9	4.8	3.8	1.0	-	
	F (Prob)	.072	.012	.017	.011	.000	-	.000	.112	.000	.000	-	

TABLE NO. 40 (CONT.)

S1 NO PEDIGREE	PLANT ASPECT *					EAR ASPECT *					ZN 5						
	UDAI	PRAT	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	CHHI	MEAN	MEAN
1 A H - 23039	2.1	2.4	1.9	1.0	1.0	1.8	2.3	2.0	1.3	1.5	1.8	2.0	1.3	1.5	1.5	1.8	1.8
CHECKS:																	
2 HIM - 129	2.0	2.4	2.1	2.5	1.5	2.3	2.4	2.0	3.3	1.5	2.3	2.4	3.3	1.5	2.3	2.3	2.3
3 SURYA	1.9	2.0	2.0	2.3	2.0	1.8	1.8	1.9	3.3	1.5	1.8	1.8	3.3	1.5	2.0	1.8	1.8
4 AMAR	2.0	2.3	2.1	3.0	1.5	1.8	2.5	2.0	3.3	1.5	1.8	2.5	3.3	1.5	2.2	1.8	1.8
5 VIVEK HYBRID - 9	1.5	1.6	1.8	2.0	1.5	1.4	2.0	1.8	3.5	1.0	1.4	2.0	3.5	1.0	1.9	1.4	1.4
MEAN LOCATION	1.9	2.1	2.0	2.2	1.5	1.8	2.2	1.9	2.9	1.4	1.8	2.2	2.9	1.4	2.0	1.8	1.8
C.D. AT 5% =	0.8	0.4	0.3	0.8	0.5	0.2	0.5	0.4	0.6	0.0	0.2	0.5	0.4	0.0	0.3	0.2	0.2
C.V. † =	23.7	12.0	9.0	25.5	22.8	5.4	14.8	14.2	13.4	0.0	5.4	14.8	13.4	0.0	0.0	5.4	5.4
F (Prob)	.488	.006	.044	.003	.022	.000	.042	.627	.000	.000	.000	.042	.000	.000	.000	.000	.000

S1 NO PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5						
	PRAT	BANS	GODH	CHHI	MEAN	UDAI	PRAT	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	CHHI	MEAN	MEAN
1 A H - 23039	2.1	1.8	1.3	2.0	1.8	1.7	2.1	1.9	1.0	1.0	1.7	2.1	1.9	1.0	1.0	1.5	1.5
CHECKS:																	
2 HIM - 129	2.5	2.1	2.5	1.5	2.2	2.3	2.5	2.1	2.8	1.5	2.3	2.5	2.1	2.8	1.5	2.2	2.2
3 SURYA	1.8	2.0	2.8	2.0	2.1	1.9	1.8	2.0	3.0	2.0	1.9	1.8	2.0	3.0	2.0	2.1	2.1
4 AMAR	2.6	2.1	3.3	1.5	2.4	1.9	2.4	2.1	3.0	1.5	1.9	2.4	2.1	3.0	1.5	2.2	2.2
5 VIVEK HYBRID - 9	1.9	1.6	2.3	1.5	1.8	1.3	1.9	1.9	2.5	1.0	1.3	1.9	1.9	2.5	1.0	1.7	1.7
MEAN LOCATION	2.2	1.9	2.4	1.7	2.0	1.8	2.1	2.0	2.5	1.4	1.8	2.1	2.0	2.5	1.4	2.0	2.0
C.D. AT 5% =	0.6	0.5	0.7	0.5	0.6	0.6	0.6	0.5	1.2	0.4	0.6	0.6	0.5	1.2	0.4	0.6	0.6
C.V. † =	18.2	16.3	18.6	20.1	-	16.9	18.1	14.8	30.7	20.6	16.9	18.1	14.8	30.7	20.6	-	-
F (Prob)	.034	.143	.001	.092	-	.046	.078	.598	.014	.002	.046	.078	.598	.014	.002	-	-

TABLE NO. 40 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 5 MEAN
		UDAI	PRAT	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	CHHI	
1	A H - 23039	177	189	170	156	179	95	91	81	80	78	85
CHECKS:												
2	HIM - 129	158	164	139	138	163	67	74	56	58	65	64
3	SURYA	143	181	205	134	171	58	99	90	64	80	78
4	AMAR	143	165	170	133	178	73	74	58	68	86	72
5	VIVEK HYBRID - 9	155	186	175	139	176	63	91	58	64	73	70
MEAN LOCATION												
	C.D. AT 5%	32.7	9.1	8.8	11.7	15.1	15.5	11.3	8.8	8.0	12.6	11.3
	C.V. %	11.2	3.3	3.3	5.4	5.7	11.6	8.6	8.3	7.8	10.7	-
	F (Prob)	.203	.000	.000	.006	.186	.005	.001	.000	.001	.032	-

Sl NO	PEDIGREE	EAR No./PLANT					STAND AT HARVEST					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	UDAI	PRAT	BANS	GODH	CHHI		
1	A H - 23039	1.01	0.97	0.97	0.97	1.00	71	95	55	115	76	76
CHECKS:												
2	HIM - 129	1.04	0.97	0.95	1.01	1.01	76	97	69	114	85	85
3	SURYA	1.00	0.93	1.22	1.04	1.04	80	86	51	112	76	76
4	AMAR	1.03	0.95	1.06	1.00	1.00	75	96	46	117	81	81
5	VIVEK HYBRID - 9	1.01	1.03	0.87	0.94	0.94	82	97	45	119	86	86
MEAN LOCATION												
	C.D. AT 5%	-	-	-	-	-	77	94	53	115	81	81
	C.V. %	-	-	-	-	-	4.4	9.5	14.4	7.0	10.2	-
	F (Prob)	-	-	-	-	-	3.8	6.6	17.6	3.9	-	-
		-	-	-	-	-	.001	.112	.021	.353	-	-

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

TABLE NO. 41

PERFORMANCE OF HARD ENDOSPERM MAIZE, EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA DELHI (IARI), LUDHIANA, KARNAL, HYDERABAD, COIMBATORE, UDAIPUR, BANSWARA, IN TRIAL NO. TRQPMI DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																		
		ALMO				BAJA				LUDH				KARN				ZN 1		ZN 2
		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	MEAN	R	MEAN	R
1	J H (QPM) - 159	7073	5	6749	10	6911	8	1122	9	6458	1	5469	3	4349	1					
2	J H (QPM) - 160	7275	4	8352	3	7814	3	1150	7	6354	2	5133	8	4213	3					
3	B V M - 7	5195	12	5293	13	5244	13	1063	12	4002	12	4630	11	3232	12					
4	M H QPM 05-1	5542	10	8526	2	7034	7	883	13	5304	7	4306	13	3498	10					
5	M H QPM 05-2	8076	2	8018	4	8047	2	1094	11	5435	6	4326	12	3618	9					
6	M H QPM 05-3	6488	6	7711	5	7099	5	1125	8	4581	10	5782	2	3830	8					
7	H QPM - 5	6239	8	7120	8	6679	10	1185	5	6037	4	5295	5	4173	4					
8	H QPM - 6	6455	7	8580	1	7517	4	1213	3	5221	8	5399	4	3944	7					
9	H QPM - 7	7525	3	6654	12	7089	6	1151	6	6046	3	5274	6	4157	5					
10	HQPM - 1	8500	1	7681	6	8090	1	1203	4	6031	5	5222	7	4152	6					
CHECKS:																				
11	SHAKTIMAN - 4	5359	11	6820	9	6089	11	1216	2	5185	9	6296	1	4232	2					
12	SHAKTI - 1	4039	13	6671	11	5355	12	1278	1	2825	13	4698	10	2934	13					
13	SHAKTIMAN - 1	6054	9	7624	7	6839	9	1116	10	4489	11	4865	9	3490	11					
	MEAN YIELD=	6448		7369		6908		1138		5228		5130		3832						
	MEAN STAND	20		30		25		18		33		28		26						
	C.D. AT 5% =	1671		1613		1642		371		1203		396		657						
	C.V. % =	15.41		13.02		-		19.40		16.08		4.59		-						
	F (Prob)	.006		.005		-		.458		.000		.000		-						
	PLOT SIZE=	3.60		4.80		-		7.50		5.60		6.00		-						
AGRONOMY DATA:																				
	SOWING DATE (2005)	10-07		3-07		-		28-07		1-07		30-06		-						
	HARVEST DATE (2005)	11-11		25-10		-		-		10-10		5-10		-						
	IRRIGATION NOS	-		2		-		-		7		4		-						
	FERTILIZER APPLIED	N 100		120		-		100		150		150		-						
		P 60		60		-		80		60		60		-						
		K 40		40		-		60		30		40		-						

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DMR DELHI 30.5% : DHOL 27.7%
ARBH 22.6% : CHHI 21.5%

TABLE NO. 41. (CONT.)

S1 NO PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 5		OV'L	
	HYDE	R	COIM	R	ZN 4 MEAN	R	UDAI	R	BANS	R	MEAN	R	MEAN	R		
1 J H (QPM) - 159	6487	4	6419	1	6453	2	2419	10	2781	5	2600	9	4997	6		
2 J H (QPM) - 160	6870	3	6249	2	6560	1	1893	13	2629	8	2261	13	5101	5		
3 B V M - 7	5132	13	4070	12	4601	12	3351	7	2909	2	3130	7	3961	12		
4 M H QPM 05-1	5751	11	5597	9	5674	11	3794	6	2858	4	3326	6	4729	9		
5 M H QPM 05-2	7190	1	4869	11	6029	6	2922	8	2906	3	2914	8	4982	7		
6 M H QPM 05-3	6007	9	5617	7	5812	10	2028	12	2584	11	2306	12	4658	10		
7 H QPM - 5	6890	2	5601	8	6245	3	5853	2	2703	7	4278	2	5214	3		
8 H QPM - 6	6259	7	5808	4	6033	5	6335	1	2974	1	4655	1	5360	2		
9 H QPM - 7	5830	10	5800	5	5815	9	5157	4	2586	10	3871	4	5114	4		
10 HQPM - 1	6327	6	5719	6	6023	7	5739	3	2332	13	4036	3	5417	1		
CHECKS:																
11 SHAKTIMAN - 4	6198	8	6071	3	6134	4	4135	5	2628	9	3382	5	4879	8		
12 SHAKTI - 1	5251	12	3694	13	4473	13	2710	9	2486	12	2598	10	3739	13		
13 SHAKTIMAN - 1	6478	5	5468	10	5973	8	2170	11	2752	6	2461	11	4557	11		
MEAN YIELD=	6205		5460		5833		3731		2702		3217		4824			
MEAN STAND	30		27		29		35		25		30		27			
C.D. AT 5%	1320		613		966		612		456		534		917			
C.V. %	14.86		7.84		-		9.75		11.80		-		-			
F (Prob)	.016		.000		-		.000		.233		-		-			
PLOT SIZE=	7.50		4.80		-		6.00		6.00		-		-			
AGRONOMY DATA:																
SOWING DATE(2005)	13-07		12-07		-		2-07		7-07		-		-			
HARVEST DATE(2005)	3-11		2-11		-		7-10		15-10		-		-			
IRRIGATION NOS	-		11		-		1		-		-		-			
FERTILIZER APPLIED N	120		135		-		90		120		-		-			
P	60		63		-		60		80		-		-			
K	40		50		-		-		-		-		-			

TABLE NO. 41 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN - 4												
Sl NO	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	IARI DELH	LUJH	KARN	ZN 2 MEAN				
1	J H (QPM) - 159	32.00	-	13.50	-	24.56	-	2.77				
2	J H (QPM) - 160	35.77	22.46	28.32	-	22.56	-	-				
3	B V M - 7	-	-	-	-	-	-	-				
4	M H QPM 05-1	3.42	25.01	15.51	-	2.29	-	-				
5	M H QPM 05-2	50.71	17.56	32.15	-	4.83	-	-				
6	M H QPM 05-3	21.06	13.06	16.58	-	-	-	-				
7	H QPM - 5	16.43	4.39	9.69	-	16.44	-	-				
8	H QPM - 6	20.45	25.81	23.45	-	0.70	-	-				
9	H QPM - 7	40.43	-	16.42	-	16.61	-	-				
10	HQPM - 1	58.61	12.62	32.86	-	16.31	-	-				
CHECKS:												
11	SHAKTIMAN - 4	-	-	-	-	-	-	-				
12	SHAKTI - 1	-	-	-	5.13	-	-	-				
13	SHAKTIMAN - 1	12.97	11.79	12.31	-	-	-	-				

GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN - 4												
Sl NO	PEDIGREE	HYDE	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN				
1	J H (QPM) - 159	4.66	5.74	5.20	-	5.81	-	2.43				
2	J H (QPM) - 160	10.85	2.93	6.93	-	0.06	-	4.55				
3	B V M - 7	-	-	-	-	10.71	-	-				
4	M H QPM 05-1	-	-	-	-	8.77	-	-				
5	M H QPM 05-2	16.00	-	-	-	10.60	-	2.11				
6	M H QPM 05-3	-	-	-	-	-	-	-				
7	H QPM - 5	11.16	-	1.81	41.54	2.86	26.51	6.87				
8	H QPM - 6	0.98	-	-	53.20	13.16	37.64	9.87				
9	H QPM - 7	-	-	-	24.70	-	14.48	4.82				
10	HQPM - 1	2.09	-	-	38.79	-	19.34	11.03				
CHECKS:												
11	SHAKTIMAN - 4	-	-	-	-	-	-	-				
12	SHAKTI - 1	-	-	-	-	-	-	-				
13	SHAKTIMAN - 1	4.51	-	-	-	4.74	-	-				

TABLE NO. 41 (CONT.)

		GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1													
Sl No	PEDIGREE	IARI DELH					LUDDH					KARN		ZN 2 MEAN	
		ALMO	BAJA	ZN 1 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN							
1	J H (QPM) - 159	75.11	1.17	29.06	-	128.59	16.39	48.25							
2	J H (QPM) - 160	80.11	25.20	45.91	-	124.91	9.26	43.59							
3	B V M - 7	28.61	-	-	-	41.67	-	10.16							
4	M H QPM 05-1	37.20	27.80	31.34	-	87.73	-	19.22							
5	M H QPM 05-2	99.94	20.19	50.26	-	92.39	-	23.33							
6	M H QPM 05-3	60.61	15.59	32.57	-	62.14	23.07	30.53							
7	H QPM - 5	54.45	6.73	24.73	-	113.69	12.71	42.22							
8	H QPM - 6	59.79	28.62	40.38	-	84.80	14.92	34.44							
9	H QPM - 7	86.30	-	32.38	-	114.01	12.25	41.68							
10	HQPM - 1	110.42	15.13	51.07	-	113.46	11.14	41.51							
CHECKS:															
11	SHAKTIMAN - 4	32.66	2.23	13.71	-	83.52	34.02	44.26							
12	SHAKTI - 1	49.87	14.29	27.71	-	58.88	3.55	18.95							
13	SHAKTIMAN - 1														

		GRAIN YIELD % SUPERIORITY OVER THE SHAKTI - 1													
Sl No	PEDIGREE	UDAI					BANS					ZN 5 MEAN		OV'L MEAN	
		HYDE	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN							
1	J H (QPM) - 159	23.54	73.77	44.28	-	11.84	0.06	33.65							
2	J H (QPM) - 160	30.84	69.15	46.66	-	5.77	-	36.41							
3	B V M - 7	-	10.17	2.87	-	17.02	20.48	5.92							
4	M H QPM 05-1	9.53	51.51	26.86	23.65	14.98	28.02	26.47							
5	M H QPM 05-2	36.92	31.79	34.80	39.99	16.90	12.17	33.23							
6	M H QPM 05-3	14.39	52.05	29.94	7.82	3.95	-	24.57							
7	H QPM - 5	31.21	51.60	39.63	-	8.73	64.68	39.43							
8	H QPM - 6	19.19	57.21	34.89	116.00	19.62	79.16	43.35							
9	H QPM - 7	11.03	57.00	30.02	133.79	4.00	49.01	36.75							
10	HQPM - 1	20.49	54.80	34.66	90.30	-	55.33	44.87							
CHECKS:					111.80										
11	SHAKTIMAN - 4	18.03	64.33	37.15	52.61	5.70	30.16	30.47							
12	SHAKTI - 1	-	-	-	-	-	-	-							
13	SHAKTIMAN - 1	23.36	48.01	33.54	-	10.71	-	21.88							

TABLE NO. 41 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTIMAN - 1									
		ALMO	BAJA	ZN 1 MEAN	IARI DELH	LUDH	KARN	ZN 2 MEAN			
1	J H (QPM) - 159	16.84	-	1.06	0.54	43.88	12.40	24.63			
2	J H (QPM) - 160	20.18	9.55	14.25	3.11	41.57	5.51	20.71			
3	B V M - 7	-	-	-	-	-	-	-			
4	M H QPM 05-1	-	11.82	2.85	-	18.16	-	0.23			
5	M H QPM 05-2	33.41	5.16	17.66	-	21.09	-	3.68			
6	M H QPM 05-3	7.16	1.14	3.81	0.87	2.06	18.85	9.74			
7	H QPM - 5	3.06	-	-	6.25	34.50	8.84	19.57			
8	H QPM - 6	6.62	12.54	9.92	8.68	16.31	10.98	13.02			
9	H QPM - 7	24.31	-	3.66	3.12	34.70	8.40	19.11			
10	HQPM - 1	40.40	0.74	18.29	7.82	34.35	7.33	18.97			
CHECKS:											
11	SHAKTIMAN - 4	-	-	-	8.96	15.51	29.42	21.28			
12	SHAKTI - 1	-	-	-	14.55	-	-	-			
13	SHAKTIMAN - 1	-	-	-	-	-	-	-			

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTIMAN - 1									
		HYDE	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN			
1	J H (QPM) - 159	0.14	17.40	8.04	11.45	1.02	5.62	9.66			
2	J H (QPM) - 160	6.06	14.28	9.82	-	-	-	11.93			
3	B V M - 7	-	-	-	54.42	5.70	27.18	-			
4	M H QPM 05-1	-	2.36	-	74.82	3.85	35.13	3.77			
5	M H QPM 05-2	10.99	-	0.94	34.64	5.59	18.40	9.31			
6	M H QPM 05-3	-	2.73	-	-	-	-	2.21			
7	H QPM - 5	6.36	2.42	4.56	169.74	-	73.83	14.40			
8	H QPM - 6	-	6.21	1.01	191.95	8.04	89.12	17.62			
9	H QPM - 7	-	6.07	-	137.64	-	57.29	12.21			
10	HQPM - 1	-	4.58	0.84	164.49	-	63.96	18.86			
CHECKS:											
11	SHAKTIMAN - 4	-	11.02	2.70	90.57	-	37.40	7.05			
12	SHAKTI - 1	-	-	-	24.88	-	5.56	-			
13	SHAKTIMAN - 1	-	-	-	-	-	-	-			

TABLE NO. 41 (CONT.)

Sl NO	PEDIGREE	PLANT SPECT *			EAR ASPECT *			UNIFORMITY *								
		ZN 4 HYDE	UDAI	BANS	ZN 5 MEAN	OV'L MEAN	ALMO	BAJA	ZN 1 MEAN	UDAI	BANS	ZN 4 HYDE	OV'L MEAN	ALMO	BAJA	ZN 1 MEAN
1	J H (OPM) - 159	2.6	2.4	2.4	2.2	2.5	2.4	2.3	2.7	2.7	2.4	2.8	2.7	2.7	2.4	2.4
2	J H (OPM) - 160	2.3	2.2	2.1	2.2	2.3	2.3	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2
3	J H M - 05-1	2.2	2.2	2.2	2.2	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2
4	B M H OPM 05-2	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5	M H OPM 05-3	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
6	M H OPM - 5	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7	H OPM - 6	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
8	H OPM - 7	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9	H OPM - 1	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10	HO PM - 1	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
11	CHECKS: SHAKTIMAN - 4	2.4	2.5	2.1	2.2	2.5	2.4	2.3	2.3	2.9	2.5	2.9	2.3	2.9	2.4	2.3
12	SHAKTI - 1	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
13	SHAKTIMAN - 1	2.2	2.2	2.2	2.2	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	MEAN LOCATION	2.0	2.4	2.2	2.0	2.4	2.2	2.0	2.4	2.0	2.4	2.0	2.4	2.0	2.4	2.0
	C.D. AT 5%	10.1	6.6	14.4	3.4	6.6	14.4	3.4	6.6	14.4	3.4	6.6	14.4	3.4	6.6	14.4
	C.V. %	10.43	0.06	14.95	0.17	0.06	14.95	0.17	0.06	14.95	0.17	0.06	14.95	0.17	0.06	14.95
	F (Prob)	.043	.006	.495	.000	.006	.495	.000	.006	.495	.000	.006	.495	.000	.006	.495
11	J H (OPM) - 159	2.1	2.1	2.0	2.2	2.1	2.0	2.1	2.5	2.5	2.3	2.3	2.5	2.5	2.3	2.3
12	J H (OPM) - 160	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
13	J H M - 05-1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14	B M H OPM 05-2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
15	M H OPM 05-3	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
16	M H OPM - 5	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17	H OPM - 6	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18	H OPM - 7	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
19	H OPM - 1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
20	HO PM - 1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
21	CHECKS: SHAKTIMAN - 4	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
22	SHAKTI - 1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
23	SHAKTIMAN - 1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	MEAN LOCATION	2.0	2.3	2.0	2.0	2.3	2.0	2.0	2.3	2.0	2.0	2.3	2.0	2.0	2.3	2.0
	C.D. AT 5%	6.32	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1
	C.V. %	6.32	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1	0.2	0.39	7.1
	F (Prob)	.632	.032	.478	.000	.032	.478	.000	.032	.478	.000	.032	.478	.000	.032	.478

TABLE NO. 41 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				
		ZN 4	UDAI	BANS	ZN 5	OV'L MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 1
1	J H (OPM) - 159	2.5	2.6	2.4	2.2	5	286	207	247	
2	J H V M - 160	2.9	2.8	2.0	2.2	4	272	207	240	
3	J B M - 7	3.1	2.5	2.3	2.2	4	253	169	211	
4	M H OPM 05-1	2.2	2.6	2.0	2.2	4	249	196	223	
5	M H OPM 05-2	2.6	2.7	2.1	2.2	4	290	205	238	
6	M H OPM 05-3	2.5	2.7	2.4	2.2	4	267	205	236	
7	M H OPM - 6	2.2	2.3	2.2	2.2	3	237	193	215	
8	M H OPM - 7	2.4	2.3	2.3	2.2	4	248	203	225	
9	H OPM - 1	2.5	2.4	2.5	2.2	4	239	189	213	
10	H OPM - 1	2.6	2.5	2.4	2.2	4	252	199	225	
CHECKS:										
11	SHAKTIMAN - 4	2.5	2.6	2.3	2.4	4	262	211	236	
12	SHAKTI - 1	2.9	2.7	2.5	2.2	5	200	169	185	
13	SHAKTIMAN - 1	2.7	2.5	2.3	2.2	4	252	189	221	
MEAN LOCATION										
C.D. AT 5% = 10.4										
C.V. % = 6.00										
F (Prob) = 0.00										
PLANT HEIGHT (cm)										
PLANT HEIGHT (cm)										
SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				
		ZN 2	LUDH	KARN	ZN 2	HYDE	COIM	ZN 4	UDAI	OV'L MEAN
1	J H (OPM) - 159	1.63	1.79	2.03	1.82	230	209	219	190	204
2	J H V M - 160	1.57	1.71	1.93	1.74	243	212	227	183	202
3	J B M - 7	1.43	1.69	1.87	1.66	233	191	221	190	190
4	M H OPM 05-1	1.70	1.59	1.82	1.90	235	203	219	173	192
5	M H OPM 05-2	1.47	1.88	2.12	1.73	228	215	220	177	193
6	M H OPM 05-3	1.40	1.69	2.03	1.73	225	211	214	182	190
7	M H OPM - 6	1.53	1.68	1.90	1.72	218	209	211	167	193
8	M H OPM - 7	1.53	1.69	1.93	1.66	213	204	213	182	190
9	H OPM - 1	1.47	1.70	1.87	1.66	220	208	214	177	188
10	H OPM - 1	1.47	1.65	1.87	1.66	220	208	214	177	191
CHECKS:										
11	SHAKTIMAN - 4	1.73	1.81	2.07	1.87	228	210	219	197	205
12	SHAKTI - 1	1.27	1.38	1.77	1.47	190	181	185	172	169
13	SHAKTIMAN - 1	1.57	1.45	1.92	1.64	233	195	214	157	188
MEAN LOCATION										
C.D. AT 5% = 14.1										
C.V. % = 4.8										
F (Prob) = 0.00										

TABLE NO. 41 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)		IARI DELH	LUDH	KARN	ZN 2 MEAN	HYDE	COIM	ZN 4 MEAN	UDAI	BANS	ZN 5 MEAN	OV'L MEAN
		ALMO	BAJA											
1	J H (OPM) - 159	116	139	67	88	117	90	125	116	121	90	68	79	105
2	J H (OPM) - 160	112	131	63	85	104	84	130	125	128	103	79	91	106
3	J B V M - 7	187	110	60	80	87	75	130	188	109	87	78	82	98
4	M H OPM 05-1	97	127	70	80	98	83	133	105	118	95	73	86	103
5	M H OPM 05-2	103	135	63	88	110	93	118	119	124	100	85	92	109
6	M H OPM 05-3	119	106	63	86	128	80	130	118	111	98	73	84	93
7	M H OPM - 5	190	108	67	74	102	80	115	107	103	88	84	78	89
8	H H OPM - 6	99	107	57	80	97	76	110	103	107	95	61	74	90
9	H H OPM - 7	93	107	53	78	98	74	103	103	103	88	59	78	89
10	H OPM - 1	97	114	50	76	97	74	105	102	103	90	68	79	91
CHECKS:														
11	SHAKTIMAN - 4	136	112	67	81	103	84	125	105	115	100	80	90	98
12	SHAKTI - 1	102	88	47	60	98	68	90	76	83	67	68	67	76
13	SHAKTIMAN - 1	126	110	57	70	98	75	123	89	106	90	71	81	91
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														
H. turcicum *														
ALMO BAJA Z 1														
OV'L MEAN														
1	J H (OPM) - 159	0.95	1.12	0.98	1.05	1.05	0.95	0.91	1.01	1.00	1.8	1.5	1.5	1.6
2	J H (OPM) - 160	0.98	0.86	0.95	1.08	0.85	0.88	0.90	1.02	0.97	1.4	1.2	1.2	1.2
3	J B V M - 7	1.10	0.83	1.00	1.06	0.96	0.93	1.09	0.91	0.94	2.2	2.2	2.1	2.4
4	M H OPM 05-1	1.01	0.69	0.98	1.06	0.97	0.93	0.87	0.93	0.94	2.4	2.1	2.1	1.8
5	M H OPM 05-2	1.09	0.92	0.97	1.04	0.96	0.95	0.95	0.95	0.93	1.7	1.1	1.1	1.5
6	M H OPM 05-3	1.06	0.81	0.99	1.05	0.95	0.96	0.93	0.96	0.96	1.6	1.1	1.1	1.6
7	M H OPM - 5	1.02	0.87	1.01	1.07	0.97	0.97	0.87	0.96	0.96	1.7	1.1	1.1	1.6
8	M H OPM - 6	1.05	0.53	0.94	1.07	0.98	0.98	0.77	0.93	0.93	1.5	1.1	1.1	1.6
9	M H OPM - 7	1.02	0.73	0.91	1.03	0.97	0.97	0.84	1.04	0.93	1.5	1.1	1.1	1.6
10	H OPM - 1	1.04	0.66	0.96	1.02	0.95	0.95	0.89	0.99	0.93	1.8	1.2	1.2	1.8
CHECKS:														
11	SHAKTIMAN - 4	0.95	0.57	0.97	1.03	0.97	0.97	0.89	0.96	0.88	1.3	2.0	2.0	1.8
12	SHAKTI - 1	1.00	0.80	0.96	1.01	0.97	0.97	0.95	0.97	0.95	1.8	2.0	1.1	1.8
13	SHAKTIMAN - 1	-	-	-	-	-	-	-	-	-	1.5	1.5	1.5	-
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														

TABLE NO. 41 (CONT.)

Sl NO	PEDIGREE	H.maydis *		Z 1 MEAN	PHYSO-DERMA* ALMO	STAND AT HARVEST				KARN
		ALMO	BAJA			ALMO	BAJA	DELH	LUDH	
1	J H (OPM) - 159	1.6	1.5	1.5	1.4	20	30	20	38	23
2	J H (OPM) - 160	1.5	1.5	1.5	1.2	20	26	19	37	30
3	J H M - 7	1.8	1.5	1.8	1.2	21	31	22	34	34
4	B M H OPM 05-1	1.6	1.5	1.5	1.2	19	31	17	31	28
5	M H OPM 05-2	1.8	1.5	1.6	1.2	20	31	19	36	30
6	M H OPM 05-3	1.8	1.5	1.6	1.2	20	31	17	40	28
7	H H OPM - 6	1.9	1.5	1.7	1.2	20	28	17	39	27
8	H H OPM - 7	1.6	1.5	1.5	1.2	18	31	21	36	28
9	H OPM - 1	1.6	1.5	1.5	1.2	18	31	21	36	27
10	H OPM - 1	1.6	1.5	1.5	1.2	18	31	21	36	28
11	CHECKS:									
12	SHAKTIMAN - 4	1.6	1.5	1.5	2.2	18	25	9	22	27
13	SHAKTI - 1	1.8	1.7	1.8	2.2	20	30	21	34	27
	SHAKTIMAN - 1	1.9	2.0	1.9	2.2	19	30	18	35	29
	MEAN LOCATION	1.4	1.3	1.7	2.0	20	30	18	33	28
	C.D. AT 5%	0.4	0.3	-	0.6	4.0	4.3	8.5	5.3	2.8
	C.V. %	12.3	11.5	-	18.2	11.9	8.6	27.6	11.2	6.0
	F (Prob)	.055	.036	-	.033	.630	.058	.109	.000	.000

Sl NO	PEDIGREE	STAND AT HARVEST				OV'L MEAN	BANS	UDAI	COIM	HYDE	UDAI	UDAI	OV'L MEAN
		HYDE	COIM	UDAI	BANS								
1	J H (OPM) - 159	29	28	34	27	24	34	28	29	28	27	27	
2	J H (OPM) - 160	32	29	36	28	25	33	26	20	25	28	28	
3	J H M - 7	20	29	33	28	22	33	26	29	28	28	28	
4	B M H OPM 05-1	33	26	36	31	31	36	30	36	29	29	29	
5	M H OPM 05-2	36	30	33	25	27	30	27	26	27	28	27	
6	M H OPM 05-3	26	27	40	27	27	46	29	33	27	27	27	
7	H H OPM - 6	33	29	34	24	25	34	28	25	27	27	27	
8	H H OPM - 7	23	28	39	24	27	39	28	28	27	27	27	
9	H OPM - 1	25	28	39	24	27	39	28	28	27	27	27	
10	H OPM - 1	25	28	39	24	27	39	28	28	27	27	27	
11	CHECKS:												
12	SHAKTIMAN - 4	35	27	32	27	27	32	27	35	25	25	25	
13	SHAKTI - 1	28	27	34	25	21	34	27	25	25	27	27	
	SHAKTIMAN - 1	33	27	35	25	25	35	27	25	25	27	27	
	MEAN LOCATION	30	27	35	25	25	35	27	25	25	27	27	
	C.D. AT 5%	11.7	2.4	5.2	4.6	4.6	5.2	8.9	12.6	4.6	12.6	12.6	
	C.V. %	27.1	6.1	8.9	12.6	12.6	8.9	12.6	12.6	12.6	12.6	12.6	
	F (Prob)	.146	.014	.106	.003	.003	.106	.014	.003	.003	.003	.003	

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

TABLE NO 42

PERFORMANCE OF HARD ENDOSPERM MAIZE, EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, KARNAL, JASHIPUR, ARBHAVI, COIMBATORE, UDAIPUR, BANSWARA, CHHINDIWARA IN TRIAL NO. TRQPM2 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		ALMO			BAJA			ZN 1			ZN 2			ZN 3			
		R	R	MEAN	R	R	MEAN	R	R	KARN	R	R	R	R	R	JASH	R
1	J H (QPM) - 41	3	5170	7	5367	6	3714	8	4344	2							
2	DOPM C 4 (W)	4	3597	12	4578	8	5687	1	2961	9							
3	BOPMH - 43	2	6334	2	6334	1	4327	5	3897	5							
4	HQPM - 4	7	4596	11	4866	7	3102	10	3658	6							
5	HQPM - 5	8	6357	1	5562	4	4460	4	4683	1							
6	DMRQPMH 17 x 58	11	5688	4	4483	9	3506	9	2539	10							
7	DMRQPMH 03-101 x	12	5527	5	4300	10	4121	6	3059	8							
8	DMRQPM 17	10	4633	9	4010	12	2552	12	2393	12							
9	DMRQPMH 75 x	6	5426	6	5412	5	4491	3	4270	3							
10	SHAKTIMAN - 4	1	5154	8	5790	2	4737	2	4246	4							
11	SHAKTI - 1	9	4612	10	4019	11	3804	7	2404	11							
12	SHAKTIMAN - 1	5	5706	3	5594	3	2917	11	3440	7							
	MEAN YIELD=		5227		5026		3951		3491								
	MEAN STAND		47		44		30		59								
	C.D. AT 5%		581		1070		148		172								
	C.V. %		7.74		-		2.22		3.43								
	F (Prob)		.000		-		.000		.000								
	PLOT SIZE=		9.60		-		9.00		12.00								
	AGRONOMY DATA:																
	SOWING DATE (2005)		3-07		-		30-06		6-07								
	HARVEST DATE (2005)		26-11		-		5-10		28-10								
	IRRIGATION NOS		2		-		4		-								
	FERTILIZER APPLIED		120		-		150		120								
	N		100		-		60		60								
	P		60		-		60		60								
	K		40		-		40		40								

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DELH 26.6% : DMRD 22.0%
 LUDH 20.8% : DHOL 28.1% : HYDE 26.3%

TABLE NO 42 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												OV'L			
		ARBH	R	COIM	R	MEAN	R	UDAI	R	BANS	R	CHHI	R	ZN 5	MEAN	R	
1	J H (QPM) - 41	6358	2	10462	2	8410	2	3429	2	1268	12	9403	2	4700	1	5524	2
2	DQPM C 4 (W)	4790	8	8537	6	6664	8	2324	11	1368	11	6347	8	3347	8	4575	8
3	BQPMH - 43	5535	5	12182	1	8859	1	2915	4	1602	2	7552	3	4023	4	5631	1
4	HQPM - 4	5505	6	9837	5	7671	5	2488	9	1558	3	6660	5	3569	6	4727	6
5	HQPM - 5	6105	3	10132	3	8118	3	3352	3	1520	5	7505	4	4126	3	5431	4
6	DMRQPMH 17 x 58	3828	9	6590	10	5209	10	2120	12	1503	6	4962	9	2862	10	3779	10
7	DMRQPMH 03-101 x DMRQPM 17	3555	11	5991	11	4773	11	2516	8	1654	1	4545	10	2905	9	3782	9
8	DMRQPMH 75 x DMRQPM 17	3775	10	7151	9	5463	9	2541	7	1544	4	4275	11	2787	11	3583	11
9	HQPM - 1	5988	4	9966	4	7977	4	3798	1	1496	7	6407	7	3900	5	5249	5
CHECKS:																	
10	SHAKTIMAN - 4	6591	1	8460	7	7526	6	2733	5	1377	10	9693	1	4601	2	5491	3
11	SHAKTI - 1	2973	12	5318	12	4146	12	2559	6	1432	8	3168	12	2386	12	3300	12
12	SHAKTIMAN - 1	5365	7	8217	8	6791	7	2414	10	1429	9	6595	6	3479	7	4618	7
	MEAN YIELD=	5031		8570		6800		2766		1479		6426		3557		4641	
	MEAN STAND	60		56		58		48		25		37		37		45	
	C.D. AT 5% =	723		971		847		548		212		1476		746		710	
	C.V. % =	10.01		7.89		-		11.74		9.98		16.00		-		-	
	F (Prob)	.000		.000		-		.000		.454		.000		-		-	
	PLOT SIZE=	15.00		4.80		-		12.00		12.00		5.60		-		-	
AGRONOMY DATA:																	
	SOWING DATE(2005)	14-07		7-07		-		2-07		7-07		8-07		-		-	
	HARVEST DATE(2005)	26-11		2-11		-		7-10		15-10		24-10		-		-	
	IRRIGATION NOS	4		11		-		1		-		-		-		-	
	FERTILIZER APPLIED	N 150		135		-		90		120		120		-		-	
		P 75		63		-		60		80		60		-		-	
		K 38		50		-		-		-		40		-		-	

TABLE NO 42 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN - 4												
Sl NO	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	ZN 2 KARN	ZN 3 JASH	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
1	J H (QPM) - 41	-	0.31	-	-	2.29	-	-	-	-	-	-
2	DQPM C 4 (W)	-	-	-	20.06	-	-	-	-	-	-	-
3	BQPMH - 43	-	21.54	9.39	-	-	-	-	-	-	-	-
4	HQPM - 4	-	-	-	-	10.28	-	-	-	-	-	-
5	HQPM - 5	-	23.35	-	-	-	-	-	-	-	-	-
6	DMRQPMH 17 x 58	-	10.36	-	-	-	-	-	-	-	-	-
7	DMRQPMH 03-101 x	-	7.24	-	-	-	-	-	-	-	-	-
8	DMRQPM 17	-	-	-	-	-	-	-	-	-	-	-
9	DMRQPM 75 x	-	-	-	-	-	-	-	-	-	-	-
10	DMRQPM 17	-	5.29	-	-	0.55	-	-	-	-	-	-
11	HQPM - 1	-	-	-	-	-	-	-	-	-	-	-
12	CHECKS:	-	-	-	-	-	-	-	-	-	-	-
10	SHAKTIMAN - 4	-	-	-	-	-	-	-	-	-	-	-
11	SHAKTI - 1	-	-	-	-	-	-	-	-	-	-	-
12	SHAKTIMAN - 1	-	10.72	-	-	-	-	-	-	-	-	-

GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN - 4											
Sl NO	PEDIGREE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN		
1	J H (QPM) - 41	-	23.66	11.75	25.49	-	-	2.16	0.60		
2	DQPM C 4 (W)	-	0.91	-	-	-	-	-	-		
3	BQPMH - 43	-	43.99	17.71	6.65	16.36	-	-	2.55		
4	HQPM - 4	-	16.27	1.93	-	13.15	-	-	-		
5	HQPM - 5	-	19.76	7.88	22.67	10.40	-	-	-		
6	DMRQPMH 17 x 58	-	-	-	-	9.16	-	-	-		
7	DMRQPMH 03-101 x	-	-	-	-	20.08	-	-	-		
8	DMRQPM 17	-	-	-	-	-	-	-	-		
9	DMRQPM 75 x	-	-	-	-	-	-	-	-		
10	DMRQPM 17	-	17.80	5.99	38.98	8.64	-	-	-		
11	HQPM - 1	-	-	-	-	-	-	-	-		
12	CHECKS:	-	-	-	-	-	-	-	-		
10	SHAKTIMAN - 4	-	-	-	-	-	-	-	-		
11	SHAKTI - 1	-	-	-	-	3.98	-	-	-		
12	SHAKTIMAN - 1	-	-	-	-	3.78	-	-	-		

TABLE NO 42 (CONT.)

Sl No	PEDIGREE	DAYS TO 50%			DRY HUSK		ZN 3 JASH	ZN 4 COIM	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 KARN								
1	J H (OPM) - 41	114.7	104.5	109.6	88.7	86.5	102.8	86.3	85.3	101.0	90.9	96.2	
2	DOPM C 4 (W)	107.3	106.3	106.8	88.3	82.8	101.8	85.7	81.0	95.0	87.2	93.5	
3	BOPMH - 43	105.3	109.8	107.5	89.7	86.0	101.0	75.7	82.3	98.0	85.3	94.8	
4	HOPM - 4	110.7	103.5	107.1	90.3	89.0	101.5	79.0	82.5	102.0	91.6	98.2	
5	HOPM - 5	114.7	109.3	112.0	88.3	96.0	102.3	90.0	82.8	102.0	91.6	98.2	
6	DMROPMH 17 x 58	96.3	92.5	94.4	83.3	78.3	99.3	79.0	83.3	88.5	83.6	87.6	
7	DMROPMH 03-101 x	95.3	92.5	93.9	83.3	77.5	99.5	80.7	83.0	88.0	83.9	87.5	
8	DMROPMH 17	96.7	94.8	95.7	83.0	77.0	98.5	79.3	83.8	87.5	83.5	87.6	
9	DMROPMH 17	115.0	103.0	109.0	92.0	96.5	101.3	90.0	85.0	102.0	92.3	98.1	
10	HOPM - 1	115.3	111.5	113.4	89.3	85.3	99.8	89.7	82.3	100.0	90.6	96.6	
11	SHAKTIIMAN - 4	96.7	92.5	94.6	84.7	81.3	99.3	80.7	83.8	87.5	84.0	88.3	
12	SHAKTIIMAN - 1	107.7	104.3	106.0	90.0	84.0	101.0	83.3	83.5	99.0	88.6	94.1	
	MEAN LOCATION	106.3	102.5	104.2	87.6	85.0	100.6	83.3	83.2	95.9	87.4	93.0	
	C.D. AT 5% =	1.8	5.9	3.9	1.0	2.1	1.5	0.7	2.3	0.6	1.2	-	
	C.V. % =	1.0	4.1	-	0.7	1.7	1.0	0.5	1.9	0.4	-	-	
	F (Prob) =	.000	.000	-	.000	.000	.000	.000	.038	.000	-	-	

Sl No	PEDIGREE	MOISTURE % AT HARVEST			ZN 3 ARBH	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN						
1	J H (OPM) - 41	42.1	26.2	34.2	16.9	19.8	15.6	22.0	19.2	23.9
2	DOPM C 4 (W)	38.0	25.3	31.7	16.3	20.0	16.9	21.5	19.5	23.3
3	BOPMH - 43	36.1	25.6	30.8	16.3	20.1	16.7	21.3	19.0	21.9
4	HOPM - 4	39.5	27.0	33.2	17.1	19.4	16.5	21.9	19.2	23.5
5	HOPM - 5	43.1	26.8	34.6	16.8	19.5	16.4	22.0	19.3	24.1
6	DMROPMH 17 x 58	33.0	23.1	28.4	16.4	19.3	16.7	22.0	18.4	20.6
7	DMROPMH 03-101 x	29.9	25.0	27.5	16.4	19.9	16.8	19.7	18.8	20.4
8	DMROPMH 17	29.9	23.1	26.5	16.5	18.6	17.0	19.8	18.5	19.9
9	DMROPMH 17	40.6	25.5	33.0	16.4	19.2	16.7	21.9	19.2	23.6
10	HOPM - 1	42.7	26.0	34.3	16.3	19.9	16.5	21.1	19.2	23.4
11	SHAKTIIMAN - 4	30.7	24.0	27.3	16.8	19.7	16.1	20.9	18.9	20.5
12	SHAKTIIMAN - 1	38.0	26.4	32.2	16.6	19.8	17.1	22.0	19.7	22.8
	MEAN LOCATION	37.0	25.3	31.2	16.6	19.5	16.6	21.1	19.1	22.3
	C.D. AT 5% =	1.9	0.9	1.4	0.3	0.9	0.7	0.5	0.6	-
	C.V. % =	3.1	2.5	-	1.3	0.9	1.0	1.7	1.0	-
	F (Prob) =	.000	.000	-	.000	.000	.114	.000	-	-

TABLE NO 42 (CONT.)

		HUSK COVER *										UNIFORMITY *										
Sl NO	PEDIGREE	ALMO	BAJA	ZN 1 MEAN	ZN 3 JASH	ZN 4 ARBH	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN	ALMO	BAJA	ZN 1 MEAN	ZN 3 JASH	ZN 4 ARBH	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN	
1	J H (OPM) - 41	2.6	2.9	2.7	1.5	3.0	2.4	2.3	1.5	2.0	2.6	2.8	2.6	2.7	3.0	2.8	2.6	2.4	2.0	2.3	2.6	2.6
2	DOPM C 4 (W)	1.9	2.0	2.0	3.0	2.3	2.5	2.1	1.0	1.8	1.8	2.0	2.2	2.2	1.0	2.0	2.2	2.1	1.0	1.8	1.8	1.8
3	BOPMH - 43	2.2	2.0	2.2	1.3	2.0	2.4	2.3	1.3	2.3	2.5	2.5	2.4	2.3	2.0	2.5	2.4	2.3	1.3	2.3	2.3	2.3
4	HOPM - 4	2.2	2.1	2.3	1.0	2.0	2.4	2.3	1.0	2.3	2.5	2.5	2.4	2.3	2.0	2.5	2.4	2.3	1.0	2.3	2.3	2.3
5	HOPM - 5	2.3	2.3	2.3	1.0	2.0	2.4	2.3	1.0	2.3	2.5	2.5	2.4	2.3	2.0	2.5	2.4	2.3	1.0	2.3	2.3	2.3
6	DMROPMH 17 x 58	2.2	2.5	2.3	2.0	2.5	2.4	2.3	1.5	2.3	2.5	2.5	2.4	2.3	2.0	2.5	2.4	2.3	1.5	2.3	2.3	2.3
7	DMROPMH 03-101 x	2.4	2.5	2.5	3.3	2.5	2.5	2.0	2.0	2.2	2.6	2.8	2.6	2.5	3.3	2.8	2.6	2.4	2.0	2.3	2.6	2.6
8	DMROPMH 17	2.7	2.6	2.7	3.0	2.8	2.6	2.4	2.0	2.3	2.6	2.8	2.6	2.7	3.0	2.8	2.6	2.4	2.0	2.3	2.6	2.6
9	DMROPMH 75 x	2.0	2.4	2.2	1.0	2.0	2.2	2.1	1.0	1.8	2.2	2.0	2.2	2.2	1.0	2.0	2.2	2.1	1.0	1.8	1.8	1.8
10	HOPM - 1	2.0	2.4	2.2	1.0	2.0	2.2	2.1	1.0	1.8	2.2	2.0	2.2	2.2	1.0	2.0	2.2	2.1	1.0	1.8	1.8	1.8
11	SHAKTIMAN - 4	2.0	2.1	2.1	1.5	2.0	2.3	2.3	1.0	1.8	2.3	2.0	2.3	2.3	1.5	2.0	2.3	2.3	1.0	1.8	1.8	1.8
12	SHAKTIMAN - 1	1.9	2.0	2.4	4.0	2.5	2.6	2.4	2.0	1.8	2.6	2.5	2.6	2.4	4.0	2.5	2.6	2.4	2.0	1.8	1.8	1.8
	MEAN LOCATION	2.2	2.3	2.3	2.0	2.3	2.4	2.3	1.4	2.0	2.4	2.3	2.4	2.3	2.0	2.3	2.4	2.3	1.4	2.0	2.4	2.4
	C.D. AT 5% =	0.4	0.4	0.4	0.6	0.2	0.2	0.4	0.3	0.3	0.2	0.2	0.4	0.2	0.6	0.2	0.2	0.4	0.3	0.3	0.3	0.3
	C.V. %	9.4	12.3	-	19.2	4.5	4.9	10.9	13.6	0.3	4.9	4.5	10.9	13.6	19.2	4.5	4.9	10.9	13.6	0.3	4.9	4.5
	F (Prob)	.002	.001	-	.000	.000	.002	.261	.000	-	.002	.000	.261	.000	.000	.000	.002	.261	.000	-	.002	.000
UNIFORMITY *																						
1	J H (OPM) - 41	2.8	2.5	2.7	2.8	2.0	2.4	2.3	2.3	2.5	2.7	2.5	2.4	2.5	3.8	2.5	2.7	2.4	2.5	2.7	2.7	2.7
2	DOPM C 4 (W)	2.6	2.5	2.5	3.3	2.0	2.5	2.1	2.3	2.3	2.5	2.5	2.4	2.3	3.3	2.0	2.5	2.1	2.3	2.3	2.5	2.5
3	BOPMH - 43	2.4	2.3	2.3	2.0	2.0	2.4	2.3	2.5	2.3	2.5	2.5	2.4	2.3	2.0	2.0	2.4	2.3	2.5	2.3	2.5	2.5
4	HOPM - 4	2.7	2.4	2.5	1.8	2.0	2.4	2.3	2.4	2.3	2.5	2.5	2.4	2.3	1.8	2.0	2.4	2.3	2.4	2.3	2.5	2.5
5	HOPM - 5	2.6	2.4	2.4	1.8	2.0	2.4	2.3	2.4	2.3	2.5	2.5	2.4	2.3	1.8	2.0	2.4	2.3	2.4	2.3	2.5	2.5
6	DMROPMH 17 x 58	2.6	2.4	2.4	2.0	2.0	2.4	2.3	2.4	2.3	2.5	2.5	2.4	2.3	2.0	2.0	2.4	2.3	2.4	2.3	2.5	2.5
7	DMROPMH 03-101 x	2.6	2.4	2.5	3.5	2.3	2.5	2.5	2.5	2.3	2.7	2.5	2.5	2.5	3.5	2.3	2.5	2.5	2.5	2.3	2.7	2.7
8	DMROPMH 17	2.6	2.4	2.5	3.8	2.5	2.5	2.4	2.5	2.3	2.7	2.5	2.5	2.5	3.8	2.5	2.7	2.4	2.5	2.3	2.7	2.7
9	DMROPMH 75 x	2.5	2.4	2.4	1.5	2.0	2.3	2.4	2.3	2.3	2.3	2.0	2.3	2.4	1.5	2.0	2.3	2.4	2.3	2.3	2.3	2.3
10	HOPM - 1	2.6	2.4	2.4	2.0	2.0	2.3	2.4	2.3	2.3	2.3	2.0	2.3	2.4	2.0	2.0	2.3	2.4	2.3	2.3	2.3	2.3
11	SHAKTIMAN - 4	2.7	2.3	2.5	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.3	2.4	2.3	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.4
12	SHAKTIMAN - 1	2.7	2.3	2.5	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.3	2.4	2.3	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.4
	MEAN LOCATION	2.7	2.3	2.5	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.3	2.4	2.3	4.5	2.3	2.4	2.3	2.4	2.4	2.4	2.4
	C.D. AT 5% =	0.6	0.6	0.6	0.7	0.1	0.1	0.4	0.4	0.3	0.1	0.1	0.4	0.4	0.7	0.1	0.1	0.4	0.4	0.3	0.1	0.1
	C.V. %	9.7	8.6	8.3	18.3	4.0	3.1	11.8	11.3	0.3	3.1	4.0	11.8	11.3	18.3	4.0	3.1	11.8	11.3	0.3	3.1	4.0
	F (Prob)	.299	.113	-	.000	.000	.000	.235	.113	-	.000	.000	.235	.113	.000	.000	.000	.235	.113	-	.000	.000

TABLE NO 42 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (CM)					ZN 3 JASH	ZN 4 COIM	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 KARN	ZN 3 JASH							
1	J H (OPM) - 41	242	177	210	202	139	203	163	165	194	174	186	
2	DOPM C 4 (W)	176	176	176	190	125	197	130	173	161	155	166	
3	BOPMH - 43	204	184	194	205	147	206	187	178	166	177	184	
4	HOPM - 4	243	182	212	210	160	211	162	173	200	178	192	
5	HOPM - 5	211	178	195	188	138	193	153	180	185	173	178	
6	DMROPMH 17 x 58	211	185	198	183	137	184	153	176	169	166	175	
7	DMROPMH 03-101 x	166	193	179	182	126	187	165	169	165	166	169	
8	DMROPMH 17	174	185	179	175	117	163	152	169	154	158	161	
9	DMROPMH 75 x	214	171	192	198	140	190	163	174	175	171	178	
10	HOPM - 1	211	206	209	197	149	194	167	174	191	177	186	
11	SHAKTIMAN - 4	170	164	167	192	124	170	155	173	160	163	163	
12	SHAKTIMAN - 1	196	194	195	192	144	177	140	175	179	165	176	
	MEAN LOCATION	201	183	192	193	137	190	158	173	175	168	176	
	C.D. AT 5%	9.4	20.9	15.1	11.5	5.6	14.6	13.8	8.9	12.9	11.9	-	
	C.V. %	2.7	7.9	-	3.5	2.9	5.4	5.2	3.6	5.1	-	-	
	F (Prob)	.000	.027	-	.000	.000	.000	.000	.103	.000	-	-	

Sl NO	PEDIGREE	EAR HEIGHT (CM)					ZN 3 JASH	ZN 4 COIM	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 KARN	ZN 3 JASH							
1	J H (OPM) - 41	135	87	111	117	58	106	82	69	91	81	93	
2	DOPM C 4 (W)	80	78	179	197	44	100	63	75	78	72	77	
3	BOPMH - 43	99	78	88	100	59	99	78	75	64	72	81	
4	HOPM - 4	144	98	121	123	71	122	68	73	103	81	100	
5	HOPM - 5	110	76	93	103	60	106	73	71	78	74	85	
6	DMROPMH 17 x 58	119	88	98	93	52	90	73	73	73	73	81	
7	DMROPMH 03-101 x	171	78	75	93	43	88	82	75	61	72	74	
8	DMROPMH 17	75	79	77	80	40	72	65	61	68	65	68	
9	DMROPMH 75 x	109	78	94	107	52	104	83	69	78	77	85	
10	HOPM - 1	112	94	103	93	56	101	73	66	86	75	85	
11	SHAKTIMAN - 4	68	64	66	83	48	78	72	74	69	71	69	
12	SHAKTIMAN - 1	94	90	92	100	52	89	58	84	80	74	81	
	MEAN LOCATION	101	82	91	99	53	96	73	72	77	74	82	
	C.D. AT 5%	8.1	21.4	14.7	8.6	6.5	10.9	10.0	8.3	10.9	9.8	-	
	C.V. %	4.7	18.1	-	5.1	8.5	7.9	8.2	8.3	9.8	-	-	
	F (Prob)	.000	.156	-	.000	.000	.000	.000	.003	.000	-	-	

TABLE NO. 43

PERFORMANCE OF HARD ENDOSPERM MAIZE, EXPERIMENTAL HYBRIDS & COMPOSITES AT BAJAURA, DELHI (IARI), DMR (DELHI), LUDHIANA, KARNAL, JASHIPUR, ARBHAVI, COIMBATORE, UDAIPUR, BANSWARA, CHHINDIWARA IN TRIAL No. TRQPM3 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
		ZN 1			IARI DELH			DMR DELH			LUDH R			KARN R			ZN 2			ZN 3	
		BAJA	R	DELH	R	DMR	R	DELH	R	DMR	R	LUDH	R	KARN	R	MEAN	R	JASH	R	JASH	R
1	DMR QPM 17 x DMR QPM 18	5247	11	1622	8	2788	8	1622	8	2788	8	3573	10	3592	13	2894	12	3300	10	3300	10
2	DMR QPM 17 x DMR QPM 03-106	6360	4	1400	13	3002	5	1400	13	3002	5	3771	7	3602	12	2944	8	3361	9	3361	9
3	DMR QPM 03-102 x DMR QPM 18	6242	6	1910	2	2898	6	1910	2	2898	6	3737	8	3759	10	3076	6	2835	15	2835	15
4	DMR QPM 03-106 x DMR QPM 18	7264	2	1718	5	3164	4	1718	5	3164	4	4314	3	3951	9	3287	4	3630	6	3630	6
5	DMR QPM 03-120 x DMR QPM 03-117	5625	8	1879	3	3456	2	1879	3	3456	2	3818	4	4264	3	3354	3	3613	7	3613	7
6	DMR QPM 03-118 x DMR QPM 03-119	6341	5	1500	10	2749	9	1500	10	2749	9	3778	6	3621	11	2912	10	3060	13	3060	13
7	MODO2 x shakti 50% SN fff-#	5241	12	1051	14	2274	14	1051	14	2274	14	3264	14	3979	8	2642	14	3170	12	3170	12
8	SO\SN QPM ABP SN2 ccbulk-f	6009	7	1466	12	2522	12	1466	12	2522	12	3604	9	4006	7	2900	11	3674	5	3674	5
9	SO\SN Comp. P ABP25% ff	5095	14	1518	9	2701	10	1518	9	2701	10	3160	15	3506	14	2721	13	2939	14	2939	14
10	SO\SN Comp bulk SN3cc 75% f	5005	15	1783	4	2225	15	1783	4	2225	15	3779	5	4315	2	3025	7	3807	4	3807	4
11	Comp. ESNCCB 50% fff	5558	9	1471	11	2607	11	1471	11	2607	11	3344	13	4226	4	2912	9	3820	3	3820	3
12	HQPM-1	7570	1	1634	7	4318	1	1634	7	4318	1	7668	1	5745	1	4841	1	4962	1	4962	1
CHECKS:																					
13	NAVJOT	5172	13	1706	6	3338	3	1706	6	3338	3	5080	2	4180	5	3576	2	3835	2	3835	2
14	SHAKTIMAN-1	7119	3	1028	15	2461	13	1028	15	2461	13	3410	12	3496	15	2599	15	3509	8	3509	8
15	SHAKTI-1	5548	10	1970	1	2792	7	1970	1	2792	7	3542	11	4109	6	3103	5	3179	11	3179	11
	MEAN YIELD=	5960		1577		2886		1577		2886		3989		4023		3119		3513		3513	
	MEAN STAND	34		24		29		24		29		31		25		27		26		26	
	C.D. AT 5% =	1052		492		778		492		778		775		211		564		342		342	
	C.V. % =	10.57		18.68		18.91		18.68		18.91		13.64		3.14		-		6.83		6.83	
	F (Prob)	.000		.067		.001		.067		.001		.000		.000		-		.000		.000	
	PLOT SIZE=	4.80		7.50		7.50		7.50		7.50		5.60		6.00		-		6.00		6.00	
AGRONOMY DATA:																					
	SOWING DATE (2005)	3-07		28-07		6-07		28-07		6-07		1-07		30-06		-		8-07		8-07	
	HARVEST DATE (2005)	22-10		-		18-10		-		18-10		10-10		5-10		-		27-10		27-10	
	IRRIGATION NOS	2		-		4		-		4		7		4		-		-		-	
	FERTILIZER APPLIED	120		100		120		100		120		150		150		-		120		120	
		60		80		60		80		60		60		60		-		60		60	
		40		60		40		60		40		30		40		-		60		60	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DHOL 21.9% ; HYDE 29.2%

TABLE NO. 43 (CONT.)

GRAIN YIELD (kg/ha) AT 15% MOISTURE

SL NO	PEDIGREE	ARBH				COIM				UDAI				BANS				CHHI				ZN 5				OV'L																																																																																																																																																																							
		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R																																																																																																																																																																				
1	DMR QPM 17 x DMR QPM18	4269	9	3384	14	3827	14	2701	13	3131	9	4241	9	3358	12	3441	13	4888	5	3979	9	4433	7	3787	4	3071	12	3813	11	3557	8	3730	8	4792	6	4577	7	4684	5	3486	5	3886	1	4314	7	3895	5	3858	6	5042	3	4664	4	4853	3	2938	8	2859	14	4311	8	3369	11	3987	3	5023	4	3683	12	4353	10	4030	2	3200	7	4788	5	4006	4	3944	4	4298	8	3814	10	4056	11	3901	3	3662	3	5024	4	4196	3	3795	7	4247	11	3237	15	3742	15	3236	7	3494	5	3696	13	3476	9	3354	14	4230	12	3765	11	3998	12	2928	9	3327	6	4485	6	3580	7	3638	10	4110	14	3679	13	3894	13	2876	11	3111	10	3274	15	3087	15	3270	15	4120	13	4627	5	4373	8	2700	14	3649	4	3777	12	3375	10	3617	12	4257	10	5149	1	4703	4	3273	6	3079	11	3547	14	3300	14	3666	9	7356	1	5106	2	6231	1	4689	1	2816	15	9498	1	5668	1	5578	1
13	NAVJOT	4420	7	4315	8	4368	9	2613	15	2861	13	5468	3	3648	6	3908	5	6813	2	4615	6	5714	2	2874	12	3885	2	6899	2	4553	2	4192	2	4029	15	4937	3	4483	6	2901	10	3189	8	3814	10	3301	13	3637	11	4793	4	4235	4514	3262	3281	4730	3758	3841																																																																																																																																							
15	SHAKTI-1	35	35	27	31	31	34	34	34	28	38	38	33	33	30	30	847	660	753	609	609	542	933	933	694	694	658	658	12.40	10.93	-	-	11.17	11.59	13.84	-	-	-	-	-	-	-	-	-	-	.000	.000	.000	.000	.000	.001	.000	-	-	-	-	-	-	-	-	-	-	7.50	4.80	-	-	6.00	6.00	5.60	-	-	-	-	-	-	-	-	-	-																																																																																																																		
AGRONOMY DATA:																																																																																																																																																																																																	
SOWING DATE(2005)		14-07																																																																																																																																																																																															
HARVEST DATE(2005)		26-11																																																																																																																																																																																															
IRRIGATION NOS		4																																																																																																																																																																																															
FERTILIZER APPLIED N		150																																																																																																																																																																																															
P		75																																																																																																																																																																																															
K		38																																																																																																																																																																																															

TABLE NO. 43 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT					ZN 3 JASH
		ZN 1 BAJA	IARI DELH	DELH DMR	LUDH	KARN	
1	DMR QPM 17 x DMR QPM18	1.45	-	-	-	-	-
2	DMR QPM 17 x DMR QPM03-106	22.96	-	-	-	-	-
3	DMR QPM 03-102 x DMR QPM 18	20.69	11.99	-	-	-	-
4	DMR QPM 03-106 x DMR QPM 18	40.45	0.75	-	-	-	-
5	DMR QPM 03-120 x DMR QPM03-117	8.76	10.14	3.53	-	2.00	-
6	DMR QPM 03-118 x DMR QPM03-119	22.60	-	-	-	-	-
7	MDO2 x shakti 50% SN fff-#	1.33	-	-	-	-	-
8	SO\SN QPM ABP SN2 ccbulk-f	16.18	-	-	-	-	-
9	SO\SN Comp. P ABP25% ff	-	4.54	-	-	3.21	-
10	SO\SN Comp bulk SN3CC 75% f	7.45	-	-	-	1.10	-
11	Comp. ESNCCB 50% fff	46.37	-	29.36	50.93	37.43	35.38
12	HQPM-1	-	-	-	-	-	29.42
CHECKS:							
13	NAVJOT	-	-	-	-	-	-
14	SHAKTIMAN-1	37.64	15.52	-	-	-	-
15	SHAKTI-1	7.28	-	-	-	-	-

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE NAVJOT							OV/L MEAN
		ARBH	COIM	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	
1	DMR QPM 17 x DMR QPM18	-	-	-	3.37	9.44	-	-	-
2	DMR QPM 17 x DMR QPM03-106	10.59	-	1.50	44.91	7.35	-	-	-
3	DMR QPM 03-102 x DMR QPM 18	8.41	6.06	7.25	33.40	35.81	-	6.80	-
4	DMR QPM 03-106 x DMR QPM 18	14.08	8.09	11.12	12.41	-	-	-	2.02
5	DMR QPM 03-120 x DMR QPM03-117	13.66	-	-	54.19	11.85	-	15.03	-
6	DMR QPM 03-118 x DMR QPM03-119	-	-	-	49.28	27.97	-	-	-
7	MDO2 x shakti 50% SN fff-#	-	-	-	23.83	22.11	-	-	-
8	SO\SN QPM ABP SN2 ccbulk-f	-	-	-	12.05	16.28	-	-	-
9	SO\SN Comp. P ABP25% ff	-	7.21	0.13	10.04	8.72	-	-	-
10	SO\SN Comp bulk SN3CC 75% f	-	19.31	7.68	3.32	27.55	-	-	-
11	Comp. ESNCCB 50% fff	66.43	18.31	42.66	25.23	7.61	73.71	55.39	42.74
12	HQPM-1	-	-	-	79.41	-	-	-	-
CHECKS:									
13	NAVJOT	-	-	-	-	-	-	-	-
14	SHAKTIMAN-1	54.14	6.94	30.82	9.98	35.79	26.17	24.82	7.26
15	SHAKTI-1	-	14.40	2.64	11.02	11.44	-	-	-

TABLE NO. 43 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN-1														
Sl No	PEDIGREE	ZN 1 BAJA	IARI DELH	DMR DELH	LUDH	KARN	ZN 2 MEAN	ZN 3 JASH						
1	DMR QPM 17 x DMR QPM18	-	57.79	13.29	4.78	2.75	11.36	-						
2	DMR QPM 17 x DMR QPM03-106	-	36.17	21.97	10.58	3.05	13.27	-						
3	DMR QPM 03-102 x DMR QPM 18	-	85.78	17.76	9.58	7.53	18.36	-						
4	DMR QPM 03-106 x DMR QPM 18	2.04	67.13	28.55	26.51	13.01	26.47	3.46						
5	DMR QPM 03-120 x DMR QPM03-117	-	82.71	40.42	11.96	21.97	29.06	2.96						
6	DMR QPM 03-118 x DMR QPM03-119	-	45.86	11.71	10.78	3.58	12.05	-						
7	MODO2 x shakti 50% SN fff-#	-	2.26	-	-	13.82	1.56	-						
8	SO\SN QPM ABP SN2 ccbulk-f	-	42.60	2.49	5.68	14.59	11.57	4.72						
9	SO\SN Comp. P ABP25% ff	-	47.63	9.74	-	0.29	4.71	-						
10	SO\SN Comp bulk SN3cc 75% f	-	73.43	-	10.81	23.42	16.41	8.50						
11	Comp. ESNCB 50% fff	6.34	43.07	5.94	-	20.90	12.05	8.87						
12	HQPM-1	-	58.94	75.46	124.84	64.35	86.29	41.43						
CHECKS:														
13	NAVJOT	-	65.89	35.63	48.97	19.58	37.60	9.28						
14	SHAKTIMAN-1	-	-	-	-	-	-	-						
15	SHAKTI-1	-	91.63	13.46	3.87	17.54	19.42	-						
GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN-1														
Sl No	PEDIGREE	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	OV/L MEAN					
1	DMR QPM 17 x DMR QPM18	-	-	-	-	-	-	-	-					
2	DMR QPM 17 x DMR QPM03-106	-	-	-	31.76	-	-	-	-					
3	DMR QPM 03-102 x DMR QPM 18	-	-	-	21.29	0.01	-	-	-					
4	DMR QPM 03-106 x DMR QPM 18	-	1.07	-	2.20	-	-	-	-					
5	DMR QPM 03-120 x DMR QPM03-117	-	-	-	40.19	-	-	-	-					
6	DMR QPM 03-118 x DMR QPM03-119	-	-	-	35.73	-	-	-	-					
7	MODO2 x shakti 50% SN fff-#	-	-	-	12.59	-	-	-	-					
8	SO\SN QPM ABP SN2 ccbulk-f	-	-	-	1.89	-	-	-	-					
9	SO\SN Comp. P ABP25% ff	-	-	-	0.05	-	-	-	-					
10	SO\SN Comp bulk SN3cc 75% f	-	0.25	-	-	-	-	-	-					
11	Comp. ESNCB 50% fff	7.97	11.57	9.05	13.87	-	-	-	-					
12	HQPM-1	-	10.63	-	63.13	-	-	37.68	24.49					
CHECKS:														
13	NAVJOT	-	-	-	-	-	-	-	-					
14	SHAKTIMAN-1	-	-	-	-	-	-	-	-					
15	SHAKTI-1	-	6.97	-	0.94	-	-	-	-					

TABLE NO. 43 (CONT.)

SL NO	PEDIGREE	DAYS TO 50% SILKING									
		ZN 3 JASH	ARBH	COIM	ZN 4 MEAN	UDAI	BANS	CHHI	ZN 5 MEAN	OV'L MEAN	
1	DMR OPM 17 x DMR OPM18 -106	53	56	52	54	51	46	49	51	2.68	
2	DMR OPM 17 x 02 -106	55	55	55	55	48	44	49	50	2.89	
3	DMR OPM 03 -1106	55	55	55	55	50	47	49	51	3.20	
4	DMR OPM 03 -1120	52	55	52	54	50	44	48	52	3.25	
5	DMR OPM 03 -1118	55	55	55	55	49	44	48	52	3.50	
6	DMR OPM 03 -1119	55	55	55	55	48	44	48	52	3.50	
7	MOD O2 x SN AKI SN22 50% CCbul	55	55	55	55	48	44	48	52	3.50	
8	SO/SN OPM 03 -1118	55	55	55	55	48	44	48	52	3.50	
9	SO/SN Comp. bulk SN25% I	55	55	55	55	48	44	48	52	3.50	
10	SO/SN Comp. bulk SN25% I	55	55	55	55	48	44	48	52	3.50	
11	Comp-1 ESNCB 50% I	55	55	55	55	48	44	48	52	3.50	
12	Comp-1 ESNCB 50% I	55	55	55	55	48	44	48	52	3.50	
13	CHECKS:										
14	NAVJOT MAN-1	55	56	55	58	54	46	51	56	3.33	
15	SHAKTI-1	55	55	55	55	50	47	53	55	3.33	
	MEAN LOCATION	55	55	55	55	50	47	53	55	3.33	
	C.D. AT 5% =	2.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	
	C.V. %	2.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	
	F. (Prob)	2.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00	1.00	

SL NO	PEDIGREE	DAYS TO 50% DRY HUSK									
		ZN 1 BAJA	LU DH	KARN	ZN 2 MEAN	ZN 3 JASH	ZN 4 COIM	UDAI	BANS	CHHI	OV'L MEAN
1	DMR OPM 17 x DMR OPM18 -106	91	81	85	82	86	97	76	80	84	
2	DMR OPM 17 x 02 -106	90	81	85	82	85	97	75	80	83	
3	DMR OPM 03 -1106	91	81	85	82	85	97	78	80	84	
4	DMR OPM 03 -1120	92	81	85	82	85	97	79	80	84	
5	DMR OPM 03 -1118	92	81	85	82	85	97	80	80	84	
6	DMR OPM 03 -1119	92	81	85	82	85	97	82	80	84	
7	MOD O2 x SN AKI SN22 50% CCbul	101	81	85	82	85	97	82	80	84	
8	SO/SN OPM 03 -1118	90	81	85	82	85	97	79	80	84	
9	SO/SN Comp. bulk SN25% I	90	81	85	82	85	97	77	80	84	
10	SO/SN Comp. bulk SN25% I	92	81	85	82	85	97	77	80	84	
11	Comp-1 ESNCB 50% I	91	81	85	82	85	97	78	80	84	
12	Comp-1 ESNCB 50% I	106	81	85	82	85	97	84	80	84	
13	CHECKS:										
14	NAVJOT MAN-1	91	81	85	82	86	98	84	80	87	
15	SHAKTI-1	90	81	85	82	85	98	83	80	86	
	MEAN LOCATION	92	81	85	82	85	98	83	80	86	
	C.D. AT 5% =	2.7	1.00	2.50	1.00	2.00	1.00	2.00	1.00	1.00	
	C.V. %	2.7	1.00	2.50	1.00	2.00	1.00	2.00	1.00	1.00	
	F. (Prob)	2.7	1.00	2.50	1.00	2.00	1.00	2.00	1.00	1.00	

TABLE NO. 43 (CONT.)

SI NO	PEDIGREE	MOISTURE & AT HARVEST										OV'L MEAN
		BAJA	DELH DMR	LUDH	ZN 2 MEAN	JASH	ZN 3 ARBH	UDAI	BANS	CHHI	ZN 5 MEAN	
1	DMR OPM 17 x DMR OPM18	21	15	20	18	15	6	18	16	19	18	17
2	DMR OPM 17 x DMR OPM03 -106	20	16	20	19	15	4	18	16	18	18	17
3	DMR OPM 03 -106 x DMR OPM 18	22	17	22	19	15	1	19	17	19	18	18
4	DMR OPM 03 -120 x DMR OPM03 -117	22	17	22	19	15	4	19	17	19	18	18
5	DMR OPM 03 -118 x DMR OPM03 -119	22	17	22	19	15	4	19	17	19	18	18
6	MOD O2 x OPM 03 -118 x DMR OPM03 -119	22	17	22	19	15	4	19	17	19	18	18
7	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
8	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
9	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
10	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
11	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
12	SO \ SN Comp. bulk SN3CC	22	17	22	19	15	4	19	17	19	18	18
13	NAVJOT	22	19	21	20	16	3	20	19	20	19	19
14	SHAKTI IMAN-1	22	19	21	20	16	3	20	19	20	19	19
15	SHAKTI IMAN-1	22	19	21	20	16	3	20	19	20	19	19
	MEAN LOCATION	22	19	21	20	16	3	20	19	20	19	19
	C.P. AT 5% =	22	19	21	20	16	3	20	19	20	19	19
	C.V. % =	22	19	21	20	16	3	20	19	20	19	19
	F (Prob)	22	19	21	20	16	3	20	19	20	19	19

SI NO	PEDIGREE	PLANT ASPECT *										OV'L MEAN
		BAJA	DELH DMR	JASH	ZN 3 ARBH	UDAI	BANS	CHHI	ZN 5 MEAN	CHHI	ZN 5 MEAN	
1	DMR OPM 17 x DMR OPM18	3	2	4	2	2	3	1	5	1	2	7
2	DMR OPM 17 x DMR OPM03 -106	3	2	4	2	2	3	1	5	1	2	7
3	DMR OPM 03 -106 x DMR OPM 18	3	2	4	2	2	3	1	5	1	2	7
4	DMR OPM 03 -120 x DMR OPM03 -117	3	2	4	2	2	3	1	5	1	2	7
5	DMR OPM 03 -118 x DMR OPM03 -119	3	2	4	2	2	3	1	5	1	2	7
6	MOD O2 x OPM 03 -118 x DMR OPM03 -119	3	2	4	2	2	3	1	5	1	2	7
7	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
8	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
9	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
10	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
11	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
12	SO \ SN Comp. bulk SN3CC	3	2	4	2	2	3	1	5	1	2	7
13	NAVJOT	3	2	4	2	2	3	1	5	1	2	7
14	SHAKTI IMAN-1	3	2	4	2	2	3	1	5	1	2	7
15	SHAKTI IMAN-1	3	2	4	2	2	3	1	5	1	2	7
	MEAN LOCATION	3	2	4	2	2	3	1	5	1	2	7
	C.P. AT 5% =	3	2	4	2	2	3	1	5	1	2	7
	C.V. % =	3	2	4	2	2	3	1	5	1	2	7
	F (Prob)	3	2	4	2	2	3	1	5	1	2	7

TABLE NO. 43 (CONT.)

SL NO	PEDIGREE	UNIFORMITY *					UDAI	BANS	ZN 5 MEAN	OV'L MEAN	ZN 5 MEAN	OV'L MEAN
		BAJA	JASH	ARBH	ZN 4	ZN 3						
1	DMR OPM 17 x DMR OPM18	2	3	2	0	6	4	2	4	2	4	
2	DMR OPM 17 x DMR OPM18	2	3	2	0	6	4	2	4	2	4	
3	DMR OPM 17 x 102 DMR OPM 18	2	3	2	0	6	4	2	4	2	4	
4	DMR OPM 03-106 DMR OPM 18	2	3	2	0	6	4	2	4	2	4	
5	DMR OPM 03-120 x DMR OPM03-117	2	3	2	0	6	4	2	4	2	4	
6	DMR OPM 03-118 x DMR OPM03-119	2	3	2	0	6	4	2	4	2	4	
7	DMR OPM 03-118 x DMR OPM03-119	2	3	2	0	6	4	2	4	2	4	
8	MOD O2 x shakti 50% SN bulk f	2	3	2	0	6	4	2	4	2	4	
9	SO/SN OPM ABP SN25% CC	2	3	2	0	6	4	2	4	2	4	
10	SO/SN Comp bulk SN3% CC	2	3	2	0	6	4	2	4	2	4	
11	SO/SN ESNCB 50% III	2	3	2	0	6	4	2	4	2	4	
12	COMP-1	2	3	2	0	6	4	2	4	2	4	
13	CHECKS:	2	3	2	0	6	4	2	4	2	4	
14	NAVJOT	2	3	2	0	6	4	2	4	2	4	
15	SHAKTI MAN-1	2	3	2	0	6	4	2	4	2	4	
	MEAN LOCATION	2	3	2	0	6	4	2	4	2	4	
	C.D. AT 5% =	2	3	2	0	6	4	2	4	2	4	
	C.V. % =	2	3	2	0	6	4	2	4	2	4	
	F. (Prob)	2	3	2	0	6	4	2	4	2	4	
		8.25	17.00	9.00	0.00	5.25	1.33	0	3.33	3.33	3.33	
		0.25	17.00	9.00	0.00	5.25	1.33	0	3.33	3.33	3.33	

SL NO	PEDIGREE	PLANT HEIGHT (cm)					KARN	LUDH	DELH	DELF	DMR	ZN 2 MEAN	ZN 3 JASH	ZN 4 COIM	UDAI BANS	CHHI	ZN 5 MEAN	OV'L MEAN
		BAJA	IARI	DELH	DMR	ZN 1												
1	DMR OPM 17 x DMR OPM18	171	163	192	161	177	161	153	163	192	177	123	125	183	165	169	172	168
2	DMR OPM 17 x DMR OPM18	182	153	179	153	175	153	156	175	183	175	133	137	173	170	158	177	164
3	DMR OPM 17 x 102 DMR OPM 18	176	147	183	154	173	154	164	173	188	173	132	141	170	168	169	175	167
4	DMR OPM 03-106 DMR OPM 18	170	153	188	154	177	154	164	177	189	177	132	145	173	168	169	175	167
5	DMR OPM 03-120 x DMR OPM03-117	180	143	177	149	178	149	164	177	185	178	133	130	170	165	169	175	167
6	DMR OPM 03-118 x DMR OPM03-119	173	147	185	150	175	150	164	177	185	175	133	130	170	165	169	175	167
7	MOD O2 x shakti 50% SN bulk f	181	167	175	150	178	150	164	177	185	178	133	130	170	165	169	175	167
8	SO/SN OPM ABP SN25% CC	184	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
9	SO/SN Comp bulk SN3% CC	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
10	COMP-1	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
11	CHECKS:	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
12	NAVJOT	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
13	SHAKTI MAN-1	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
14	MEAN LOCATION	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
15	C.D. AT 5% =	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
	C.V. % =	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
	F. (Prob)	187	183	175	153	178	153	164	177	185	178	133	130	170	165	169	175	167
		0.88	0.25	3.00	1.5	15.7	1.5	1.5	16.15	16.023	15.7	3.00	10.4	14.00	19.205	21.9	13.5	11.66
		0.88	0.25	3.00	1.5	15.7	1.5	1.5	16.15	16.023	15.7	3.00	10.4	14.00	19.205	21.9	13.5	11.66

TABLE NO. 43 (CONT.)

Sl NO	PEDIGREE	H. mayd. STAND AT HARVEST										OV'L MEAN		
		IARI DELH												
		BAJA	BAJA DELH	DMR	LUDH	KARN	JASH	ARBH	COIM	UDAI	BANS	CHHI		
1	DMR QPM 17 x DMR QPM18	1.7	30	19	29	30	12	28	40	26	35	28	40	29
2	DMR QPM 17 x DMR QPM03-106	1.8	34	29	23	31	28	27	36	30	32	27	38	30
3	DMR QPM 03-102 x DMR QPM 18	2.0	35	29	34	32	28	31	38	27	34	27	37	32
4	DMR QPM 03-106 x DMR QPM 18	2.0	32	24	28	32	27	25	33	28	38	27	39	30
5	DMR QPM 03-120 x DMR QPM03-117	1.8	36	27	31	34	25	27	36	26	36	24	37	31
6	DMR QPM 03-118 x DMR QPM03-119	2.0	36	22	28	30	26	25	36	25	33	30	38	30
7	MODO2 x shakti 50% SN fff-#	2.0	33	25	31	31	26	28	34	26	39	31	36	31
8	SO\SN QPM ABP SN2 ccbulk-f	1.8	38	27	33	33	26	26	36	27	32	32	37	31
9	SO\SN Comp. P ABP25% ff	2.0	33	25	30	31	25	30	39	29	37	23	36	31
10	SO\SN Comp bulk SN3cc 75% f	1.8	33	20	27	30	21	24	38	29	29	29	36	29
11	Comp. ESNCCB 50% fff	2.0	29	22	27	24	22	25	34	26	31	25	39	27
12	HQPM-1	1.5	38	25	29	38	28	27	36	28	34	27	39	32
CHECKS:														
13	NAVJOT	2.0	27	21	28	36	27	25	34	26	34	31	38	30
14	SHAKTIMAN-1	1.5	33	22	28	17	25	20	30	26	30	29	37	27
15	SHAKTI-1	2.2	36	20	33	33	24	24	34	28	32	31	39	30
MEAN LOCATION														
	C.D. AT 5% =	0.3	4.5	10.5	8.2	5.8	3.1	3.4	5.2	2.2	4.3	5.4	2.7	-
	C.V. % =	9.7	8.1	26.3	19.6	13.2	7.5	9.3	10.2	5.6	7.7	13.5	5.1	-
	F (Prob)	.003	.001	.674	.375	.000	.000	.000	.040	.001	.001	.063	.092	-

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

TABLE NO. 44

PERFORMANCE OF BABY CORN, EXPERIMENTAL HYBRIDS & COMPOSITES AT ALMORA, BAJAURA, DMR DELHI, VARANASI, MANDYA, COIMBATORE, IN TRIAL NO. TRBASY DURING KHARIF (2005).

SL NO	PEDIGREE	BABY CORN YIELD (KG/HA)										WITHOUT HUSK		OV'L MEAN							
		ALMO R		BAJA R		ZN 1 MEAN R		DELHI DMRD R		VARA R		DHOL R		ZN 3 MEAN R		ZN 4 KARI R		ZN 5 GODH R			
1	ICY 9006	1052	5	858	6	955	5	1822	5	1421	7	812	5	1116	7	1388	7	520	2	1125	5
2	DBEH - 10202	998	6	1100	2	1049	4	2236	1	1604	5	733	6	1168	5	1586	4	518	3	1254	4
3	V L - BABY CORN - 1	1342	1	1228	1	1285	1	1911	3	2689	1	725	8	1707	1	1641	2	445	6	1426	1
4	F H - 3161	1053	4	836	7	944	6	2042	2	980	8	835	3	907	8	1480	5	379	8	1086	7
5	F H - 3246	912	7	711	8	812	8	1785	8	1703	4	918	1	1310	4	964	8	434	7	1061	8
6	X - 3342	1189	3	963	4	1076	3	1817	6	1951	3	875	2	1413	3	1702	1	709	1	1315	2
7	HIM - 129	1194	2	1081	3	1138	2	1813	7	2232	2	729	7	1481	2	1628	3	449	5	1304	3
8	MAHI KANCHAN	813	8	885	5	849	7	1852	4	1497	6	816	4	1157	6	1479	6	492	4	1119	6
	MEAN YIELD =	1069		958		1014		1910		1759		805		1282		1484		493		1211	
	MEAN STAND	74		-		74		91		140		-		140		81		66		90	
	C.D. AT 5% =	119		228		173		746		275		164		219		579		144		322	
	C.V. % =	7.60		13.57		-		26.70		8.97		13.88		-		22.42		19.96		-	
	F (PROB)	.000		.005		-		.027		.000		.178		-		.090		.001		-	
	PLOT SIZE =	6.00		6.40		-		15.00		15.00		15.00		-		12.00		12.00		-	
	AGRONOMY DATA:																				
	SOW. DATE (2005)	10-07		12-07		-		6-07		12-07		7-07		-		9-07		13-08		-	
	IRRIGATION NOS	-		2		-		3		1		-		-		2		1		-	
	FERTILIZER APP.	N 30		120		-		120		120		150		-		180		100		-	
		P 60		60		-		60		60		60		-		60		50		-	
		K 40		40		-		40		40		40		-		30		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (I.E. > 30%) : PANT 54.3%

TABLE NO. 44 (CONT.)

SL NO	PEDIGREE	BABY CORN YIELD (kg/ha)		WITH HUSK		ZN 3		ZN 4		OV'L									
		ALMO	BAJA	MEAN	DELH	R	VARA	R	MAND	R	COIM	R	MEAN	R					
1	ICY 9006	3815	7	2953	6	3384	7	6762	8	5219	7	4576	6	5343	7	4959	8	4778	8
2	DEEH - 10202	3979	5	3444	3	3711	4	7550	3	7134	4	5582	3	8309	1	6945	1	6000	2
3	V L - BABY	5486	1	4338	1	4912	1	7371	4	7492	1	6230	1	7255	4	6742	2	6362	1
4	F H - 3161	3850	6	3419	4	3635	5	7238	5	4667	8	4418	7	6422	5	5420	5	5002	7
5	F H - 3246	4698	3	2346	8	3522	6	7015	6	5617	6	5395	4	7721	2	6558	3	5465	5
6	X - 3342	4889	2	3314	5	4102	3	7599	2	7463	2	2951	8	7549	3	5250	6	5628	3
7	HIM - 129	4389	4	4069	2	4229	2	6997	7	7451	3	5772	2	4559	8	5165	7	5539	4
8	MAHI KANCHAN	3515	8	2537	7	3026	8	7852	1	6157	5	5150	5	6299	6	5724	4	5252	6
	MEAN YIELD=	4328		3302		3815		7298		6400		5009		6682		5846		5503	
	MEAN STAND	74		-		74		91		140		60		-		60		91	
	C.D. AT 5%=	534		1026		780		2081		1234		952		1099		1026		1154	
	C.V. % =	8.43		17.73		-		19.50		11.08		10.92		11.18		-		-	
	F (PROB)	.000		.011		-		.017		.000		.000		.000		-		-	
	PLOT SIZE=	6.00		6.40		-		15.00		15.00		14.00		9.60		-		-	
AGRONOMY DATA:																			
	SOW. DATE(2005)	10-07		12-07		-		6-07		12-07		7-08		7-07		-		-	
	IRRIGATION NOS	-		2		-		3		1		3		5		-		-	
	FERTILIZER APP.	N 30		120		-		120		120		150		135		-		-	
		P 60		60		-		60		60		75		63		-		-	
		K 40		40		-		40		40		40		50		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : PANT 50.0% : KARI 55.5% : GODH 22.9%

TABLE NO. 44 (CONT.)

Sl NO	PEDIGREE	MAIZE FODDER YIELD (kg/ha) IN BABY CORN EXPERIMENT												OV'L			
		ZN 1		DELH		VARA		DHOL		ZN 3		KARI		R	MEAN	R	MEAN
		ALMO	R	DMRD	R	VARA	R	DHOL	R	MEAN	R	KARI	R				
1	ICY 9006	25297	3	16632	5	19631	2	11294	4	15462	3	7741	5	16119	5	16119	5
2	DBEH - 10202	19718	7	14713	6	17821	6	9176	8	13498	8	6177	6	13521	6	13521	6
3	V L - BABY CORN - 1	17084	8	13524	8	19072	4	9804	6	14438	5	4236	8	12744	8	12744	8
4	F H - 3161	25158	4	17243	4	18929	5	10980	5	14955	4	9947	2	16451	4	16451	4
5	F H - 3246	29170	1	20149	3	15635	8	12078	2	13857	6	9465	3	17300	2	17300	2
6	X- 3342	27416	2	28071	1	19144	3	12941	1	16043	2	12301	1	19975	1	19975	1
7	HIM - 129	20414	6	13813	7	17461	7	9725	7	13593	7	5543	7	13391	7	13391	7
8	MAHI KANCHAN	21822	5	21742	2	20386	1	11765	3	16075	1	8878	4	16919	4	16919	4
	MEAN YIELD=	23260		18236		18510		10971		14740		8036		15802		15802	
	MEAN STAND	74		91		140		-		140		81		96		96	
	C.D. AT 5%	4158		5137		1816		2292		2054		2313		3143		3143	
	C.V. %	12.22		19.26		5.64		14.20		-		16.54		-		-	
	F (Prob)	.000		.000		.001		.031		-		.000		-		-	
	PLOT SIZE=	6.00		15.00		15.00		15.00		-		12.00		-		-	
	AGRONOMY DATA:																
	SOWING DATE (2005)	10-07		6-07		12-07		7-07		-		9-07		-		-	
	IRRIGATION Nos	-		3		1		-		-		2		-		-	
	FERTILIZER APPLIED N	30		120		120		150		-		180		-		-	
	P	60		60		60		60		-		60		-		-	
	K	40		40		40		40		-		30		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : PANT 43.2%

TABLE NO. 44 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				OV'L MEAN	OV'L MEAN		
		DELH DMRD	KARI	MAND	COIM	ZN 4 MEAN	OV'L MEAN	DELH DMRD	KARI			MAND	COIM
1	ICY 9006	148	176	137	104	139	141	76	52	50	50	51	57
2	DBEH - 10202	140	160	140	122	141	141	68	44	45	65	51	55
3	V L - BABY CORN - 1	148	173	155	119	149	149	75	51	45	55	51	57
4	F H - 3161	140	167	134	99	133	135	73	47	39	47	44	51
5	F H - 3246	143	169	160	122	150	148	74	52	53	53	53	58
6	X- 3342	163	178	138	123	146	150	95	50	45	60	51	62
7	HIM - 129	134	159	134	104	132	133	66	38	47	50	45	50
8	MAHI KANCHAN	149	167	150	114	144	145	83	55	49	52	52	60
	MEAN LOCATION	145	169	144	113	142	143	76	49	47	54	50	56
	C.D. AT 5%	21.7	21.4	27.2	8.1	18.9	-	13.8	11.2	12.3	4.6	9.4	-
	C.V. %	10.2	7.3	10.8	4.9	-	-	12.3	13.1	15.0	5.8	-	-
	F (Prob)	.277	.528	.327	.000	-	-	.008	.091	.413	.000	-	-

TABLE NO. 45

PERFORMANCE OF SWEET CORN COMPOSITES GRAIN YIELD AT ALMORA, BAJAURA, HYDERABAD, COIMBATORE AND GREEN EAR YIELD AT LUDHIANA, VARANASI, UDAIPUR IN TRIAL No. TRSWEET DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																																																							
		ALMO				BAJA				R MEAN				HYDE				COIM				ZN 4		OV'L																																	
		R		R	R		R	R		R	R		R	R		R	R		R	MEAN	R	MEAN	R																																		
1	J C (SWEET CORN) -1	7368	2	4150	7	5759	2	2583	1	7905	1	5244	1	5502	2	4688	7	4318	6	4503	7	2449	2	5503	7	3976	7	4240	7	7416	1	5682	1	6549	1	2107	3	7030	2	4569	2	5559	1	6326	4	4756	5	5541	4	1996	4	6222	6	4109	6	4825	5
2	V L-15 (SWEET CORN)	5406	6	5057	2	5231	6	1889	7	6537	5	4213	5	4722	6	6411	3	4772	4	5591	3	1912	6	6677	4	4294	4	4943	3																												
3	ZA WIN su HYBRID -1	5785	5	5032	3	5408	5	1940	5	6855	3	4398	3	4903	4	6200	45	4824	46	5512	46	2125	48	6676	56	4400	52	4956	49	1639	1639	723	1181	1181	557	951	754	968																			
4	ZA WIN YELLOW SWEET CORN	17.92		8.50		-		17.78		9.66		-		-		0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		-													
5	MADHURI	10-07		12-07		-		13-07		7-07		-		-		6411	3	4772	4	5591	3	1912	6	6677	4	4294	4	4943	3																												
6	WIN ORANGE SWEET CORN	5785	5	5032	3	5408	5	1940	5	6855	3	4398	3	4903	4	6200	45	4824	46	5512	46	2125	48	6676	56	4400	52	4956	49	1639	1639	723	1181	1181	557	951	754	968																			
7	PRIYA SWEET CORN	17.92		8.50		-		17.78		9.66		-		-		0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		-													
	MEAN YIELD=	45		46		46		48		56		52		49		1639	1639	723	1181	1181	557	951	754	968					17.92		8.50		-		17.78		9.66		-		-		-														
	MEAN STAND	1639		723		1181		557		951		754		968		0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		-													
	C.D. AT 5%=	17.92		8.50		-		17.78		9.66		-		-		0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		-													
	C.V. %	17.92		8.50		-		17.78		9.66		-		-		0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		-													
	F (Prob)	0.28		0.00		-		.636		.000		-		-		7.20		9.60		-		15.00		-		-		-		10-07		12-07		7-07		30-09		30-09		7		135		63		50											
	PLOT SIZE=	7.20		9.60		-		15.00		9.60		-		-		10-07		12-07		-		13-07		7-07		-		-		1-10		30-10		30-09		30-09		30-09		7		135		63		50											
	AGRONOMY DATA:	10-07		12-07		-		13-07		7-07		-		-		1-10		30-10		-		3-11		30-09		-		-		-		2		-		-		-		-		-		-													
	SOWING DATE(2005)	10-07		12-07		-		13-07		7-07		-		-		1-10		30-10		-		3-11		30-09		-		-		-		2		-		-		-		-		-		-													
	HARVEST DATE(2005)	1-10		30-10		-		3-11		30-09		-		-		-		2		-		-		-		-		-		-		2		-		-		-		-		-		-													
	IRRIGATION NOS	-		2		-		-		7		-		-		80		120		-		120		135		-		-		80		120		-		-		-		-		-		-													
	FERTILIZER APPLIED	80		120		-		120		135		-		-		60		60		-		60		63		-		-		60		60		-		-		-		-		-		-													
	N	80		120		-		120		135		-		-		40		40		-		40		50		-		-		40		40		-		-		-		-		-		-													
	P	60		60		-		60		63		-		-		40		40		-		40		50		-		-		40		40		-		-		-		-		-		-													
	K	40		40		-		40		50		-		-		40		40		-		40		50		-		-		40		40		-		-		-		-		-		-													

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : DELH 28.3% : DMRD 38.3% : DHOL 28.2% : MAND 26.5%

TABLE NO. 45 (CONT.)

Sl NO	PEDIGREE	GREEN EAR YIELD (kg/ha)											
		ZN 2		ZN 3		ZN 5		UDAI		OV'L		R	
		LUDH	R	VARA	R	UDAI	R	UDAI	R	MEAN	R	MEAN	R
1	J C (SWEET CORN) -1	9862	1	-	-	7581	2	8722	1	8722	1	8722	1
2	V L-15 (SWEET CORN)	5770	7	-	-	4823	7	5297	7	5297	7	5297	7
3	ZA WIN su HYBRID -1	8432	3	5418	1	6829	5	6893	4	6893	4	6893	4
4	ZA WIN YELLOW SWEET CORN	7873	5	4468	3	7327	4	6556	5	6556	5	6556	5
5	MADHURI	8353	4	5311	2	7465	3	7043	2	7043	2	7043	2
6	WIN ORANGE SWEET CORN	7849	6	4446	4	6656	6	6317	6	6317	6	6317	6
7	PRIYA SWEET CORN	8626	2	4076	5	8122	1	6941	3	6941	3	6941	3
	MEAN YIELD=	8109		3388		6972		6156		6156		6156	
	MEAN STAND	60		52		52		55		55		55	
	C.D. AT 5% =	1829		429		759		1006		1006		1006	
	C.V. % =	15.29		4.89		7.38		-		-		-	
	F (Prob)	.004		.003		.000		-		-		-	
	PLOT SIZE =	11.20		15.00		12.00		-		-		-	
AGRONOMY DATA:													
	SOWING DATE(2005)	-		13-07		2-07		-		-		-	
	HARVEST DATE(2005)	-		26-09		19-09		-		-		-	
	IRRIGATION NOS	-		1		-		-		-		-	
	FERTILIZER APPLIED N	150		100		90		-		-		-	
	P	60		40		60		-		-		-	
	K	30		40		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) :												KARI	45.4%
												KOLH	22.8%

TABLE NO. 45 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% POLLEN SHED							ZN 4 MEAN	ZN 5 UDAI	OV/L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	ZN 3 VARA	HYDE	COIM			
1	J C (SWEET CORN) -1	68.0	64.3	66.2	58.8	-	48.3	58.5	53.4	61.3	59.8
2	V L-15 (SWEET CORN)	56.0	51.0	53.5	53.0	-	47.0	53.8	50.4	53.0	52.3
3	ZA WIN su HYBRID -1	55.3	50.7	53.0	50.3	47.3	47.5	49.3	48.4	48.5	49.8
4	ZA WIN YELLOW SWEET CORN	56.3	51.0	53.6	50.3	47.3	48.3	48.5	48.4	50.5	50.3
5	MADHURI	57.0	54.0	55.5	51.8	48.0	48.5	49.3	48.9	48.0	50.9
6	WIN ORANGE SWEET CORN	56.3	50.7	53.5	51.5	49.3	49.3	49.8	49.5	49.8	50.9
7	PRIYA SWEET CORN	57.5	57.0	57.3	51.0	48.0	48.5	50.0	49.3	47.5	51.4
	MEAN LOCATION	58.0	54.1	56.1	52.4	48.0	48.2	51.3	49.7	51.2	51.9
	C.D. AT 5% =	0.9	2.0	1.4	2.5	2.4	2.5	1.7	2.1	1.2	-
	C.V. % =	1.0	2.1	-	3.2	2.6	3.5	2.2	-	1.5	-
	F (Prob)	.000	.000	-	.000	.364	.629	.000	-	.000	-

Sl No	PEDIGREE	DAYS TO 50% SILKING							ZN 4 MEAN	ZN 5 UDAI	OV/L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	ZN 3 VARA	HYDE	COIM			
1	J C (SWEET CORN) -1	69.8	68.0	68.9	62.0	-	50.5	62.0	56.3	63.8	62.7
2	V L-15 (SWEET CORN)	57.0	53.7	55.3	55.3	-	49.0	57.0	53.0	55.8	54.6
3	ZA WIN su HYBRID -1	56.3	53.3	54.8	52.3	51.7	49.5	52.8	51.1	52.3	52.6
4	ZA WIN YELLOW SWEET CORN	57.5	53.3	55.4	52.5	52.0	50.3	52.3	51.3	52.8	52.9
5	MADHURI	58.3	57.0	57.6	54.0	51.3	51.0	52.8	51.9	53.0	53.9
6	WIN ORANGE SWEET CORN	57.8	53.7	55.7	53.3	53.3	51.3	53.5	52.4	53.5	53.8
7	PRIYA SWEET CORN	58.5	59.3	58.9	53.0	52.3	50.8	53.8	52.3	53.5	54.5
	MEAN LOCATION	59.3	56.9	58.1	54.6	52.1	50.3	54.9	52.6	54.9	54.7
	C.D. AT 5% =	1.0	2.3	1.7	2.5	2.2	2.3	1.5	1.9	1.1	-
	C.V. % =	1.1	2.3	-	3.1	2.2	3.1	1.8	-	1.3	-
	F (Prob)	.000	.000	-	.000	.350	.401	.000	-	.000	-

TABLE NO. 45 (CONT.)

Sl	NO PEDIGREE	DAYS TO 50% DRY HUSK 50%				MOISTURE % HARVEST			
		ZN 1	BAJA HYDE	COIM	ZN 4	OV'L	ZN 1	BAJA HYDE	ZN 4
1	J C (SWEET CORN) -1	111.3	81.3	84.3	82.8	92.3	40.0	27.0	33.5
2	V L-15 (SWEET CORN)	101.0	81.5	79.0	80.3	87.2	23.4	19.3	21.4
3	ZA WIN su HYBRID -1	99.3	81.3	74.8	78.0	85.1	24.9	22.0	23.5
4	ZA WIN YELLOW SWEET	98.7	82.3	74.3	78.3	85.1	23.8	22.8	23.3
CORN									
5	MADHURI	99.0	82.0	74.8	78.4	85.3	23.3	22.3	22.8
6	WIN ORANGE SWEET	96.7	82.5	75.5	79.0	84.9	22.7	21.3	22.0
CORN									
7	PRIYA SWEET CORN	99.0	80.5	75.8	78.1	85.1	25.5	21.9	23.7
MEAN LOCATION		100.7	81.6	76.9	79.3	86.4	26.2	22.4	24.3
C.D. AT 5% =		4.5	2.2	1.5	1.9	-	0.6	1.5	-
C.V. % =		2.5	1.8	1.3	-	-	1.2	4.6	-
F (Prob)		.000	.544	.000	-	-	.000	.000	-

TABLE NO. 45 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm)							ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	ZN 3 VARA	HYDE	COIM			
1	J C (SWEET CORN) -1	220	212	216	199	-	193	188	190	160	195
2	V L-15 (SWEET CORN)	172	180	176	159	-	158	162	160	133	161
3	ZA WIN su HYBRID -1	194	205	199	149	185	170	167	168	151	174
4	ZA WIN YELLOW SWEET CORN	187	182	184	159	178	173	167	170	155	171
5	MADHURI	168	185	177	151	203	183	172	177	156	174
6	WIN ORANGE SWEET CORN	184	205	195	154	173	175	174	175	150	174
7	PRIYA SWEET CORN	178	197	187	159	185	195	165	180	161	177
	MEAN LOCATION	186	195	191	161	185	178	171	174	152	175
	C.D. AT 5%	12.8	23.8	18.3	24.5	19.2	15.0	9.5	12.3	19.0	-
	C.V. %	4.6	6.9	-	10.2	5.5	5.7	3.8	-	8.4	-
	F (Prob)	.000	.065	-	.008	.054	.001	.001	-	.101	-

Sl No	PEDIGREE	EAR HEIGHT (cm)							ZN 4 MEAN	ZN 5 UDAI	OV'L MEAN
		ALMO	BAJA	ZN 1 MEAN	ZN 2 LUDH	ZN 3 VARA	HYDE	COIM			
1	J C (SWEET CORN) -1	123	113	118	125	-	105	100	102	83	108
2	V L-15 (SWEET CORN)	69	82	75	76	-	73	68	70	60	71
3	ZA WIN su HYBRID -1	90	103	97	73	60	85	68	77	73	79
4	ZA WIN YELLOW SWEET CORN	87	100	94	75	65	88	66	77	68	78
5	MADHURI	75	98	86	69	65	88	69	78	75	77
6	WIN ORANGE SWEET CORN	87	102	94	68	58	93	70	81	71	78
7	PRIYA SWEET CORN	84	95	89	74	65	113	67	90	80	82
	MEAN LOCATION	88	99	93	80	63	92	73	82	73	81
	C.D. AT 5%	9.5	22.0	15.8	26.0	28.6	11.7	7.5	9.6	17.2	-
	C.V. %	7.3	12.5	-	21.9	24.3	8.6	7.0	-	15.9	-
	F (Prob)	.000	.182	-	.003	.951	.000	.000	-	.183	-

TABLE NO. 46 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT							ZN 1 MEAN
		ALMO	PANT	BAJA	KANG	BARA			
1	K D M - 322	68.14	6.92	-	23.55	16.05	21.57	21.57	
2	K D M - 399	17.45	37.07	-	38.25	17.45	12.84	12.84	
3	K D M - 901	10.62	-	-	38.88	17.23	18.32	18.32	
4	K L M - 214	63.85	-	6.03	41.06	12.71	11.00	11.00	
5	K L M - 29	49.68	6.90	14.72	41.04	12.61	16.01	16.01	
6	L L - 230	110.62	-	11.49	22.13	19.35	20.89	20.89	
7	L L - 231	88.97	5.02	10.03	24.63	3.45	26.17	26.17	
8	L L - 232	32.47	11.28	23.32	19.54	7.82	16.26	16.26	
9	L L - 233	109.39	31.72	27.57	28.44	-	43.85	43.85	
10	L L - 194	70.14	8.73	42.58	33.87	4.50	24.04	24.04	
11	L E H B - 1581	73.75	7.68	25.86	32.06	-	38.76	38.76	
12	L E H B - 1582	88.02	0.25	12.44	2.77	-	31.71	31.71	
13	L E H B - 1583	116.78	-	-	-	-	-	-	
14	CHECKS:	-	-	-	-	-	-	-	
15	NAVJOT	-	-	16.27	-	10.26	1.45	1.45	
16	LOCAL	-	-	12.70	-	1.69	24.76	24.76	
17	KH - 510	78.59	-	-	35.47	-	-	-	

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE LOCAL							ZN 1 MEAN
		ALMO	PANT	BAJA	KANG	BARA			
1	K D M - 322	78.93	31.42	-	26.43	5.25	19.83	19.83	
2	K D M - 399	24.99	68.48	-	41.47	6.52	11.22	11.22	
3	K D M - 901	17.97	15.05	-	42.11	6.28	16.43	16.43	
4	K L M - 214	74.37	14.22	-	44.34	1.78	14.34	14.34	
5	K L M - 29	59.29	11.14	-	44.38	3.12	14.34	14.34	
6	L L - 230	124.13	31.40	-	23.86	2.13	20.26	20.26	
7	L L - 231	101.09	-	-	35.21	3.71	29.01	29.01	
8	L L - 232	40.97	29.09	-	27.54	-	24.36	24.36	
9	L L - 233	122.83	36.78	-	22.10	-	14.59	14.59	
10	L L - 194	181.06	61.90	6.07	31.53	-	41.79	41.79	
11	L E H B - 1581	84.90	33.65	22.62	31.43	-	22.77	22.77	
12	L E H B - 1582	100.09	32.36	8.26	36.14	-	36.77	36.77	
13	L E H B - 1583	130.69	9.68	-	35.14	-	29.83	29.83	
14	CHECKS:	-	23.23	-	5.16	-	-	-	
15	NAVJOT	6.42	22.92	-	2.33	-	-	-	
16	LOCAL	-	-	-	-	-	-	-	
17	KH - 510	90.04	0.43	-	38.62	-	22.97	22.97	

TABLE NO. 46 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE KH - 510											
Sl NO	PEDIGREE	ALMO	PANT	BAJA	KANG	BARA	ZN 1 MEAN				ZN 1 MEAN
1	K D M - 322	-	30.85	-	-	14.13	-				-
2	K D M - 399	-	67.75	-	2.05	15.50	-				-
3	K D M - 901	-	14.56	-	2.52	15.24	-				-
4	K L M - 2	-	13.72	-	4.13	10.37	-				-
5	K L M - 14	-	10.66	-	4.16	11.82	-				-
6	L L - 229	17.94	30.83	1.79	-	12.45	4.91				4.91
7	L L - 230	5.81	28.53	-	-	7.64	1.13				1.13
8	L L - 231	-	36.19	-	-	1.40	-				-
9	L L - 232	17.25	61.20	9.43	-	6.04	15.30				15.30
10	L L - 233	-	33.07	-	-	-	-				-
11	L L - 194	-	31.79	26.51	-	2.76	11.22				11.22
12	E H B - 1581	5.28	9.21	11.69	-	3.23	5.57				5.57
13	E H B - 1582	21.39	22.69	-	-	-	5.30				5.30
14	E H B - 1583	-	-	-	-	-	-				-
CHECKS:											
15	NAVJOT	-	22.38	3.17	-	8.43	-				-
16	LOCAL	-	-	-	-	-	-				-
17	KH - 510	-	-	-	-	-	-				-
DAYS TO 50% POLLEN SHED											
Sl NO	PEDIGREE	ALMO	BAJA	KANG	BARA	ZN 1 MEAN	DAYS TO 50% SILKING			ZN 1 MEAN	
1	K D M - 322	58.3	68.3	56.7	59.0	60.6	59.7	71.3	63.0	62.2	62.2
2	K D M - 399	58.7	70.7	56.7	58.7	61.1	60.0	73.0	62.0	63.1	63.1
3	K D M - 901	57.7	64.7	55.3	58.7	59.3	59.3	68.0	63.0	60.7	60.7
4	K L M - 2	54.0	66.7	57.3	58.7	59.6	55.0	69.7	62.3	61.4	61.4
5	K L M - 14	56.7	64.3	56.7	58.7	59.3	55.0	71.0	62.7	60.5	60.5
6	L L - 229	56.3	68.0	56.7	58.3	59.8	57.0	66.0	62.7	61.2	61.2
7	L L - 230	56.0	69.3	56.7	58.3	60.1	57.0	70.3	62.0	60.5	60.5
8	L L - 231	56.0	69.3	56.7	58.3	60.1	58.0	72.0	62.0	60.5	60.5
9	L L - 232	56.0	64.7	57.0	58.3	59.7	58.0	66.0	62.0	61.0	61.0
10	L L - 233	54.7	65.3	56.7	58.3	59.7	56.0	68.0	61.0	59.9	59.9
11	L L - 194	56.0	62.3	56.7	58.3	59.8	56.0	65.3	61.0	60.6	60.6
12	E H B - 1581	56.0	66.8	56.7	58.3	59.5	57.0	68.7	61.0	60.6	60.6
13	E H B - 1582	56.0	66.8	56.7	58.3	59.5	57.0	68.7	61.0	60.6	60.6
14	E H B - 1583	57.3	71.0	57.3	59.7	61.3	59.3	73.0	63.3	62.4	62.4
CHECKS:											
15	NAVJOT	57.0	66.7	56.7	57.3	59.4	58.0	69.3	62.0	60.4	60.4
16	LOCAL	55.0	65.3	57.7	56.7	58.7	56.0	68.3	60.0	59.6	59.6
17	KH - 510	57.3	67.0	58.3	58.3	60.9	57.0	71.7	62.0	61.2	61.2
MEAN LOCATION											
C.D. AT 5%		1.3	1.7	0.9	2.1	1.5	1.3	1.8	1.0	1.9	1.9
C.V. %		1.00	1.6	1.00	2.1	1.00	1.00	1.5	1.00	1.00	1.00
F (Prob)		0.00	1.00	1.00	0.070	1.00	1.00	0.04	0.00	0.052	0.052

TABLE NO. 46 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 1 MEAN
		ALMO	BAJA	KANG	BARA	MEAN	ALMO	PANT	BAJA	KANG	BARA	
1	K D M - 322	106.0	94.0	102.3	109.7	103.0	32.0	32.1	23.9	20.4	29.0	27.5
2	K D M - 399	107.7	94.3	101.0	110.0	103.3	32.3	30.4	24.1	17.9	27.7	26.5
3	K D M - 901	104.0	93.3	101.0	108.0	101.6	34.4	31.7	24.4	17.6	27.7	27.1
4	K L M - 2	104.3	94.0	102.3	107.3	102.0	33.8	37.0	23.3	19.4	29.0	28.5
5	K L M - 14*	100.3	94.3	103.3	108.0	101.5	33.1	39.4	24.8	17.4	28.3	28.6
6	L - 229	104.7	91.0	99.7	108.7	101.0	33.3	29.7	22.8	19.1	29.3	26.8
7	L - 230	100.3	94.7	101.3	106.3	100.7	34.5	32.1	26.9	17.3	29.0	28.0
8	L - 231	101.0	96.7	100.7	110.0	102.1	32.1	33.1	24.6	16.1	28.7	26.9
9	L - 232	102.7	91.0	99.3	111.0	101.0	32.7	29.7	22.0	19.4	28.3	26.4
10	L - 233	111.3	92.3	102.3	108.3	103.6	35.8	25.8	23.0	15.4	28.0	25.6
11	L - 194	100.3	93.7	102.0	107.3	100.8	34.2	24.2	23.9	15.7	28.7	25.3
12	E H B - 1581	103.0	90.3	102.3	106.7	100.6	35.2	35.6	24.1	19.5	29.7	28.8
13	E H B - 1582	111.7	99.7	103.0	107.7	105.5	38.0	32.9	25.0	16.4	28.3	28.1
14	E H B - 1583	103.3	108.0	103.3	109.0	105.9	39.8	34.6	26.0	17.2	27.0	28.9
CHECKS:												
15	NAVJOT	101.7	95.7	103.3	108.3	102.3	32.2	32.4	23.6	17.3	28.3	26.8
16	LOCAL	96.0	89.7	102.3	107.7	98.9	18.2	27.1	24.3	16.0	29.0	22.9
17	KH - 510	103.7	93.7	101.3	104.7	100.8	37.4	35.3	26.8	16.1	28.0	28.7
MEAN LOCATION												
	C.D. AT 5% =	2.7	3.4	0.7	3.7	2.6	3.5	6.4	1.1	1.4	2.2	2.9
	C.V. % =	1.6	2.2	0.4	2.0	-	6.3	12.1	2.7	4.8	4.7	-
	F (Prob)	.000	.000	.000	.176	-	.000	.003	.000	.000	.707	-

TABLE NO. 46 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *			EAR ASPECT *			HUSK COVER *			ZN 1 MEAN
		ALMO	BAJA	BARA	ALMO	BAJA	BARA	ALMO	BAJA	BARA	
1	K D M - 322	2.5	2.3	1.0	2.5	3.0	1.0	2.4	2.5	1.0	2.0
2	K D M - 399	2.8	3.0	1.3	2.8	3.0	1.3	2.3	2.5	1.0	1.9
3	K D M - 901	2.5	2.7	1.0	2.5	2.7	1.3	2.3	2.3	1.0	1.9
4	K L M - 2	2.7	2.8	1.0	2.8	2.5	1.0	1.9	2.5	1.0	1.8
5	K L M - 14	2.7	2.8	1.0	2.5	3.0	1.0	2.3	2.5	1.0	1.9
6	L - 229	2.6	2.5	2.0	2.5	2.5	1.7	2.2	2.3	1.3	2.0
7	L - 230	2.5	2.5	1.3	2.4	2.7	1.3	2.2	2.2	1.3	1.9
8	L - 231	2.6	2.5	1.7	2.6	2.5	1.7	1.8	2.3	1.3	1.8
9	L - 232	2.7	2.5	1.3	2.7	2.5	1.0	2.2	2.3	1.0	1.8
10	L - 233	2.6	2.5	2.3	2.4	2.5	2.3	1.9	2.2	1.3	1.8
11	L - 194	2.6	2.5	2.0	2.6	2.5	1.7	2.0	2.3	2.0	2.1
12	E H B - 1581	2.5	2.3	2.0	2.5	2.3	1.7	1.8	2.3	1.7	1.9
13	E H B - 1582	2.5	2.2	1.7	2.4	2.3	2.3	1.8	2.2	2.7	2.2
14	E H B - 1583	2.4	2.0	2.7	2.4	2.5	3.0	1.7	2.0	2.0	1.9
CHECKS:											
15	NAVJOT	2.8	2.8	1.3	2.9	2.7	2.0	2.0	2.5	1.3	1.9
16	LOCAL	2.9	2.5	1.3	2.9	2.5	1.7	2.3	2.5	1.0	1.9
17	KH - 510	2.5	2.5	1.7	2.5	2.5	2.0	2.3	2.2	1.7	1.9
MEAN LOCATION											
C.D. AT 5% =		0.2	0.3	1.0	0.2	0.3	1.0	0.5	0.4	0.9	0.5
C.V. % =		4.3	7.5	40.2	5.3	6.2	37.5	-	9.6	37.2	-
F (Prob)		.000	.000	.066	.000	.000	.015	-	.176	.013	-

TABLE NO. 46 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 1 MEAN	
		ALMO	BAJA	BARA	BAJA	ALMO	PANT	BAJA	KANG		BARA
1	K D M - 322	2.6	2.7	1.0	2.1	190	188	186	182	195	188
2	K D M - 399	2.9	2.8	1.0	2.2	153	177	187	145	191	171
3	K D M - 901	2.9	2.3	1.3	2.2	207	185	189	185	199	193
4	K L M - 2	2.9	2.8	1.0	2.2	192	204	191	185	211	197
5	K L M - 14	2.8	2.5	1.0	2.1	194	168	172	170	197	180
6	L - 229	2.6	2.3	1.3	2.1	166	170	164	152	186	168
7	L - 230	2.9	2.8	1.3	2.3	240	215	179	182	197	202
8	L - 231	3.1	2.5	1.3	2.3	239	217	167	187	193	201
9	L - 232	2.8	2.7	1.0	2.2	176	191	171	170	203	182
10	L - 233	2.9	2.7	2.3	2.6	215	225	208	200	198	209
11	L - 194	2.6	2.7	1.7	2.3	205	173	167	158	195	180
12	E H B - 1581	2.5	2.3	1.7	2.2	193	197	197	168	187	188
13	E H B - 1582	2.6	2.2	1.7	2.1	195	188	185	163	185	183
14	E H B - 1583	2.4	2.0	2.7	2.4	190	197	179	185	186	187
CHECKS:											
15	NAVJOT	2.8	2.3	1.0	2.0	175	184	163	168	205	179
16	LOCAL	2.8	2.7	1.0	2.2	165	182	209	185	166	182
17	KH - 510	2.6	2.5	1.7	2.3	172	181	167	178	188	177
MEAN LOCATION											
	C.D. AT 5%	0.2	0.5	1.0	0.6	17.5	24.9	24.8	10.1	20.6	19.6
	C.V. %	5.3	11.3	42.0	-	5.5	7.9	8.2	3.5	6.4	-
	F (Prob)	.000	.031	.038	-	.000	.001	.006	.000	.047	-

TABLE NO. 46 (CONT.)

Sl NO	PEDIGREE	EAR HEIGHT (cm)						EAR No. / PLANT			H. turcicum *			Zn 1 MEAN
		ALMO	PANT	BAJA	KANG	BARA	Zn 1 MEAN	ALMO	BARA	ALMO	BARA	BAJA		
1	K D M - 322	102	86	93	85	62	86	1.00	0.94	2.9	1.7	2.3		
2	K D M - 399	78	82	86	60	71	75	0.99	0.92	2.9	1.5	2.2		
3	K D M - 901	108	76	101	73	61	84	0.98	0.79	2.4	1.3	1.9		
4	K L M - 2	105	94	103	57	87	89	0.97	0.85	3.6	1.8	2.7		
5	K L M - 14	93	67	88	68	70	77	0.97	0.95	2.2	1.7	1.9		
6	L - 229	82	71	92	52	73	74	0.97	0.95	2.8	1.5	2.2		
7	L - 230	130	91	95	72	75	92	0.99	0.98	2.6	1.5	2.0		
8	L - 231	130	99	85	82	71	93	0.97	0.95	2.9	1.8	2.3		
9	L - 232	80	83	85	65	74	77	1.00	0.82	2.8	1.7	2.2		
10	L - 233	110	97	114	77	67	93	0.98	0.90	2.3	1.5	1.9		
11	L - 194	100	64	80	60	79	77	0.93	0.92	2.2	1.7	1.9		
12	E H B - 1581	96	86	100	55	74	82	0.97	0.84	2.2	1.5	1.9		
13	E H B - 1582	100	82	83	63	66	79	0.99	0.93	2.5	1.5	2.0		
14	E H B - 1583	99	92	90	66	68	83	0.99	0.98	1.9	1.5	1.7		
CHECKS:														
15	NAVJOT	87	82	77	57	69	74	1.04	0.83	3.5	1.7	2.6		
16	LOCAL	74	78	86	68	60	73	1.04	0.88	3.3	1.5	2.4		
17	KH - 510	.82	83	84	60	60	74	1.03	0.95	2.0	1.5	1.8		
MEAN LOCATION														
C.D. AT 5%		12.8	15.1	15.6	8.7	17.7	14.0	-	-	0.7	0.3	0.5		
C.V. %		7.9	10.9	10.4	7.9	15.3	-	-	-	16.7	12.7	-		
F (Prob)		.000	.001	.003	.000	.239	-	-	-	.000	.245	-		

TABLE NO. 46 (CONT.)

SI NO	PEDIGREE	H. maydis *							STAND AT HARVEST							ZN 1 MEAN
		ALMO	BAJA	ZN 1 MEAN	ALMO	PANT	BAJA	KANG	BARA	ALMO	PANT	BAJA	KANG	BARA		
1	K D M - 322	2.4	2.0	2.2	23	33	35	31	35	31	35	29	31	35	31	
2	K D M - 399	2.5	1.8	2.2	20	32	31	29	35	29	31	29	30	35	30	
3	K D M - 901	2.3	1.7	2.0	22	37	35	31	35	31	35	31	32	33	32	
4	K L M - 2	1.9	2.5	2.2	22	34	37	31	37	31	37	31	31	31	31	
5	K L M - 14	2.4	2.0	2.2	22	32	33	31	33	31	33	29	30	33	30	
6	L - 229	2.5	1.7	2.1	24	30	36	29	36	29	36	29	30	33	30	
7	L - 230	2.6	2.3	2.5	23	29	34	29	34	29	34	29	29	32	29	
8	L - 231	2.4	2.2	2.3	22	25	36	28	36	28	36	28	28	31	28	
9	L - 232	2.6	2.0	2.3	21	32	35	27	35	27	35	27	29	32	29	
10	L - 233	2.6	2.2	2.4	22	36	34	28	34	28	34	28	30	30	30	
11	L - 194	2.7	2.0	2.3	24	31	33	27	33	27	33	27	29	31	29	
12	E H B - 1581	1.9	1.5	1.7	23	30	37	28	37	28	37	28	29	27	29	
13	E H B - 1582	2.4	1.5	2.0	22	33	35	28	35	28	35	28	30	31	30	
14	E H B - 1583	2.0	1.5	1.8	22	36	30	26	30	26	30	26	29	29	29	
CHECKS:																
15	NAVJOT	2.1	1.8	2.0	22	34	35	24	35	24	35	24	29	30	29	
16	LOCAL	2.6	2.5	2.5	23	23	37	24	37	24	37	24	28	31	28	
17	KH - 510	2.2	1.7	1.9	21	25	34	26	34	26	34	26	27	29	27	
MEAN LOCATION																
C.D. AT 5% =																
C.V. % =																
F (Prob) =																
.058 .000 - - .067 .182 .304 .005 .028																

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

TABLE NO. 47 (CONT.)

SI No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE VIVEK HYBRID-9								ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	PANT	BARA			
1	F H - 3361	-	-	15.10	-	-	-	-	3.44	-
2	F H - 3362	-	-	0.81	-	-	-	-	-	-
3	F H - 3363	-	-	9.21	-	5.50	-	-	1.52	-
4	F H - 3364	1.88	-	2.38	-	5.64	-	-	3.19	-
5	F H - 3365	5.07	-	-	-	15.92	-	-	8.33	-
6	F H - 3366	-	-	-	-	3.80	-	1.08	1.75	-
7	F H - 3367	3.54	-	2.28	-	31.97	-	-	-	-
8	F H - 3368	1.22	-	2.81	-	5.11	-	-	8.55	-
9	F H - 3370	-	-	0.73	-	2.00	-	-	0.90	-
10	F H - 3371	8.02	-	-	-	3.18	-	-	-	-
11	F H - 3373	-	-	-	-	-	-	-	14.31	-
12	F H - 3375	-	-	0.22	-	23.77	-	-	-	-
13	F H - 3376	9.17	-	-	-	2.20	-	1.28	-	-
14	F H - 3378	-	-	3.00	-	4.30	-	-	0.76	-
15	F H - 3379	10.98	-	-	-	2.40	-	5.14	-	-
16	K D M - 438	-	-	-	-	-	-	-	-	-
17	P S - 77	2.33	-	-	-	-	-	13.33	-	-
18	P E H - 2	-	-	-	-	-	-	-	-	-
19	F QPMH - 7	-	-	-	-	14.54	-	26.53	-	0.15
20	F QPHM - 15	4.51	-	5.32	-	-	-	1.55	-	-
21	K L M - 5	-	-	4.07	-	7.06	-	-	4.58	-
22	K L M - 7	-	-	0.83	-	2.52	-	-	-	-
CHECKS:										
23	VIVEK SANKUL -11	-	-	-	-	29.58	-	4.53	-	-
24	VIVEK HYBRID-9	-	-	-	-	-	-	-	-	-
25	VIVEK HYBRID-15	5.50	-	-	-	11.74	-	13.40	-	0.17
26	SURYA	2.16	-	-	-	13.17	-	-	-	-

TABLE NO. 47 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE VIVEK HYBRID-15									
Sl NO	PEDIGREE	SRIN	ALMO	BAJA	KANG	PANT	BARA	ZN 1	MEAN
1	F H - 3361	-	4.92	15.39	-	-	18.86	-	-
2	F H - 3362	-	-	1.06	-	-	13.89	-	-
3	F H - 3363	-	-	9.48	-	-	16.65	-	-
4	F H - 3364	-	-	2.64	-	-	18.57	-	-
5	F H - 3365	-	-	-	3.74	-	24.48	-	-
6	F H - 3366	-	3.35	-	-	-	16.92	-	-
7	F H - 3367	-	-	2.54	18.10	-	13.81	-	-
8	F H - 3368	-	-	3.07	-	-	24.73	-	-
9	F H - 3370	-	11.09	0.98	-	-	15.94	-	-
10	F H - 3371	2.38	-	-	-	-	11.57	-	-
11	F H - 3373	-	-	-	-	-	31.35	-	-
12	F H - 3375	-	-	0.47	10.76	-	3.67	-	-
13	F H - 3376	3.48	-	-	-	-	6.41	-	-
14	F H - 3378	-	-	3.27	-	-	15.79	-	-
15	F H - 3379	5.19	-	-	-	-	14.52	-	-
16	K D M - 438	-	-	-	-	-	13.32	-	-
17	P S - 77	-	-	-	-	-	5.43	-	-
18	P E H - 2	-	-	-	-	-	11.72	-	-
19	F QPMH - 7	-	2.66	-	2.50	11.58	4.64	-	-
20	F QPHM - 15	-	-	5.59	-	-	10.88	-	-
21	K L M - 5	-	-	4.34	-	-	20.17	-	-
22	K L M - 7	-	-	1.09	-	-	14.53	-	-
CHECKS:									
23	VIVEK SANKUL -11	-	-	-	15.96	-	6.14	-	-
24	VIVEK HYBRID-9	-	14.06	0.25	-	-	14.91	-	-
25	VIVEK HYBRID-15	-	-	-	-	-	-	-	-
26	SURYA	-	-	-	1.27	-	2.97	-	-

TABLE NO. 47 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED					DAYS TO 50% SILKING					ZN 1 MEAN	
		SRIN	ALMO	BAJA	KANG	BARA	SRIN	ALMO	BAJA	KANG	PANT		BARA
1	PH - 3361	72.7	53.0	65.0	54.7	54.7	75.0	54.7	67.3	57.7	48.3	58.0	60.2
2	PH - 3362	75.0	52.0	61.7	50.3	54.3	77.3	52.3	64.3	53.3	48.0	58.7	59.0
3	PH - 3363	74.0	52.0	59.0	52.0	52.0	76.0	52.3	61.7	55.0	47.3	56.0	58.1
4	PH - 3364	72.3	51.3	59.7	53.0	51.7	76.3	52.0	61.7	56.0	47.7	56.3	58.3
5	PH - 3365	73.7	53.7	61.0	53.0	52.7	76.0	53.7	64.3	56.0	50.3	56.3	59.4
6	PH - 3366	73.7	51.3	61.7	50.3	51.3	76.3	52.0	64.7	53.7	48.3	55.7	58.4
7	PH - 3367	73.0	54.7	67.0	54.0	53.0	75.7	55.0	69.7	56.7	48.0	56.3	60.2
8	PH - 3368	72.7	54.0	61.3	52.7	52.7	75.3	53.0	63.3	56.3	48.0	57.3	58.9
9	PH - 3370	74.7	52.0	64.3	55.3	53.0	77.7	51.0	67.0	58.3	48.3	56.0	59.7
10	PH - 3371	72.0	52.0	62.3	48.7	51.7	75.0	52.3	65.0	51.7	47.7	56.0	57.9
11	PH - 3373	73.7	52.3	61.7	53.3	52.0	76.3	53.0	64.3	56.3	48.0	55.7	58.9
12	PH - 3375	73.7	51.0	64.3	54.7	54.7	76.7	50.7	66.7	57.7	47.7	58.3	59.6
13	PH - 3376	73.7	52.3	61.3	54.7	52.3	75.7	52.7	64.0	57.7	48.7	55.3	59.0
14	PH - 3378	74.0	56.7	65.0	54.0	54.0	77.7	57.3	67.7	57.0	48.0	58.7	60.9
15	PH - 3379	74.7	54.0	64.3	54.7	54.3	77.0	54.0	67.0	58.0	49.0	58.7	60.6
16	KDM - 438	74.0	55.3	63.7	54.0	58.0	76.3	56.0	66.3	57.0	50.0	61.7	61.2
17	PS - 77	72.7	51.7	58.0	54.7	54.0	75.0	53.7	60.3	57.3	49.0	57.7	58.8
18	PH - 2	75.0	53.7	61.7	55.3	54.3	77.7	56.3	64.3	58.3	51.0	58.3	61.0
19	OPMH - 7	71.7	52.3	58.0	53.3	54.7	74.7	51.3	60.3	56.0	48.0	59.3	58.3
20	OPHM - 15	73.0	51.0	58.7	50.0	54.7	75.7	51.0	61.3	53.0	48.3	58.3	57.9
21	KL*	72.7	53.7	65.0	55.0	55.0	75.3	54.0	67.0	57.7	50.7	58.7	60.6
22	KL*	72.7	57.0	64.0	55.0	55.0	75.3	58.0	66.7	57.7	50.3	58.7	61.1
CHECKS:													
23	VIVER SANKUL -11	71.7	50.7	61.7	49.3	55.3	74.7	52.0	64.3	52.3	47.7	59.0	58.3
24	VIVER HYBRID-9	72.3	51.0	64.7	53.0	52.3	75.7	51.0	67.0	56.0	47.0	56.3	58.8
25	VIVER HYBRID-15	74.3	52.3	59.3	53.7	55.3	77.0	51.7	62.7	56.7	47.7	59.0	59.1
26	SURYA	73.0	52.0	62.3	50.7	52.7	76.0	53.7	64.3	53.7	48.0	56.7	58.7
MEAN LOCATION													
C.D. AT 5%		3.8	1.3	1.5	1.2	2.8	3.7	1.2	1.4	1.3	1.9	2.6	2.0
C.V. %		3.1	1.5	1.5	1.4	3.2	2.9	1.4	1.3	1.4	2.4	2.8	-
F (Prob)		.949	.000	.000	.000	.004	.965	.000	.000	.000	.002	.002	-

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	BARA	SRIN	ALMO	BAJA	KANG	BARA	
1	F H - 3361	133.3	94.0	101.7	96.3	105.0	20.1	31.6	21.8	20.6	28.7	24.5
2	F H - 3362	133.7	93.0	103.0	97.7	99.7	18.4	29.9	21.3	20.3	31.3	24.3
3	F H - 3363	135.7	94.0	101.3	97.7	99.7	18.9	29.7	21.6	19.5	26.7	23.3
4	F H - 3364	134.0	93.7	102.3	96.7	103.3	19.0	30.7	22.0	20.0	28.3	24.0
5	F H - 3365	137.7	93.3	101.7	98.7	102.3	19.2	30.5	21.3	21.1	28.3	24.1
6	F H - 3366	133.0	93.0	101.3	97.7	99.3	19.8	31.3	21.5	21.0	28.0	24.3
7	F H - 3367	132.3	96.7	101.3	97.3	105.0	19.3	30.0	21.3	20.5	27.7	23.7
8	F H - 3368	133.7	94.7	102.7	97.3	103.7	18.0	29.9	21.3	19.9	28.0	23.4
9	F H - 3370	137.7	98.0	104.3	97.0	104.0	18.3	31.9	22.5	21.0	26.7	24.1
10	F H - 3371	134.0	92.0	101.3	97.0	103.0	18.9	31.2	21.6	20.9	27.3	24.0
11	F H - 3373	134.7	94.3	95.0	97.0	103.3	20.2	30.5	21.1	19.2	24.3	23.1
12	F H - 3375	136.7	94.7	105.3	98.3	106.7	21.0	30.9	22.3	20.4	28.3	24.6
13	F H - 3376	133.7	94.7	104.7	97.7	100.7	18.0	31.4	21.0	19.0	29.0	23.7
14	F H - 3378	134.0	91.3	101.7	97.7	105.3	19.3	26.6	22.3	19.0	29.0	23.2
15	F H - 3379	134.3	94.7	101.3	96.7	106.7	19.5	28.3	20.8	20.9	30.3	24.0
16	K D M - 438	135.3	97.3	104.7	97.0	107.0	19.6	31.7	21.3	20.8	28.7	24.4
17	P S - 77	137.3	91.0	100.7	97.7	105.3	19.1	24.0	20.8	23.6	30.0	23.5
18	P E H - 2	134.7	93.7	101.3	97.0	106.7	19.2	29.6	22.3	19.0	29.0	23.8
19	F QPMH - 7	138.0	94.7	101.3	97.0	107.3	18.3	30.4	21.2	20.8	28.3	23.4
20	F QPHM - 15	135.3	91.0	101.0	97.3	106.3	17.3	30.4	21.0	19.0	29.3	23.4
21	K L M - 5	137.0	94.0	101.3	97.0	107.3	18.7	32.1	23.6	19.5	27.7	24.3
22	K L M - 7	133.7	97.7	104.3	97.7	106.0	17.9	34.9	22.8	21.2	28.3	25.0
CHECKS:												
23	VIVEK SANKUL -11	134.0	95.0	102.3	97.0	104.3	17.5	30.6	22.5	19.6	29.7	24.0
24	VIVEK HYBRID-9	134.0	98.7	101.0	97.0	103.3	18.6	31.3	21.5	19.2	30.7	24.3
25	VIVEK HYBRID-15	133.0	96.0	101.0	96.3	107.3	20.9	29.6	20.5	20.0	29.0	24.0
26	SURYA	135.3	91.3	102.0	96.7	103.3	19.6	30.1	20.7	18.8	30.7	24.0
MEAN LOCATION												
C.D. AT 5% =		3.2	1.6	1.6	0.8	4.2	3.9	2.2	1.0	1.7	2.8	2.3
C.V. % =		1.5	1.0	0.9	0.5	2.5	12.4	4.3	2.9	5.2	6.1	-
F (Prob)		.014	.000	.000	.000	.001	.978	.000	.000	.000	.011	-

TABLE NO. 47 (CONT.)

SL NO	PEDIGREE	PLANT ASPECT *				EAR ASPECT *				HUSK COVER *			
		SRIN	ALMO	BAJA	ZN 1 MEAN	SRIN	ALMO	BAJA	ZN 1 MEAN	SRIN	ALMO	BAJA	ZN 1 MEAN
1	F H - 3361	3.2	2.3	1.8	2.4	3.1	2.2	2.0	2.4	3.0	1.8	2.0	2.3
2	F H - 3362	3.2	2.4	2.5	2.7	3.1	2.3	2.5	2.6	3.2	2.5	3.0	2.9
3	F H - 3363	3.2	2.5	2.0	2.6	3.3	2.6	2.2	2.7	3.1	2.0	2.0	2.4
4	F H - 3364	3.1	2.4	2.3	2.6	3.2	2.4	2.2	2.6	3.2	1.9	2.2	2.4
5	F H - 3365	3.2	2.4	2.2	2.6	3.1	2.5	2.3	2.7	3.2	2.0	2.3	2.5
6	F H - 3366	3.2	2.5	2.2	2.6	3.1	2.4	2.0	2.5	3.2	1.9	2.0	2.4
7	F H - 3367	3.1	2.5	2.3	2.6	3.1	2.5	2.2	2.6	3.2	1.9	2.0	2.4
8	F H - 3368	3.1	2.4	2.5	2.7	3.2	2.4	2.2	2.6	3.3	2.1	2.0	2.5
9	F H - 3370	3.1	2.4	1.7	2.4	3.1	2.3	2.0	2.5	3.2	1.8	2.0	2.3
10	F H - 3371	3.1	2.4	2.2	2.6	3.1	2.4	2.3	2.6	3.2	2.0	2.0	2.4
11	F H - 3373	3.2	2.5	2.2	2.6	3.2	2.5	2.3	2.7	3.2	1.8	2.2	2.4
12	F H - 3375	3.2	2.5	2.2	2.6	3.1	2.5	2.3	2.6	2.8	2.2	2.0	2.3
13	F H - 3376	3.3	2.5	1.8	2.5	3.1	2.4	2.2	2.6	3.1	2.1	2.2	2.4
14	F H - 3378	3.2	2.5	2.3	2.7	3.2	2.6	2.3	2.7	3.2	2.2	2.5	2.6
15	F H - 3379	3.3	2.4	2.2	2.6	3.1	2.5	2.2	2.6	3.3	2.0	2.3	2.5
16	K D M - 438	3.2	2.7	2.5	2.8	3.2	2.5	2.5	2.7	3.1	1.9	2.2	2.4
17	P S H - 77	3.3	2.8	2.8	3.0	3.2	2.8	2.7	2.8	3.0	1.9	2.3	2.4
18	P S H - 2	3.3	2.7	2.8	2.9	3.2	2.8	2.8	2.8	3.3	2.1	2.2	2.5
19	F Q P M H - 7	3.2	2.4	2.0	2.5	3.2	2.4	2.3	2.6	3.1	2.1	2.5	2.6
20	F Q P M H - 15	3.2	2.6	2.5	2.8	3.1	2.4	2.0	2.5	3.1	2.1	2.3	2.5
21	K L M - 5	3.2	2.6	2.0	2.8	3.1	2.4	2.0	2.5	3.1	2.1	2.3	2.4
22	K L M - 7	3.2	2.5	2.0	2.6	3.1	2.4	2.5	2.7	3.2	2.0	2.0	2.4
23	VIVEK SANKUL -11	3.3	2.5	2.5	2.8	3.2	2.5	2.5	2.7	3.2	2.1	2.2	2.4
24	VIVEK HYBRID-9	3.0	2.3	2.3	2.6	3.1	2.3	2.2	2.5	3.3	2.2	2.5	2.7
25	VIVEK HYBRID-15	3.2	2.4	2.3	2.6	3.1	2.4	2.3	2.6	3.2	2.1	2.3	2.5
26	SURYA	3.3	2.8	2.7	2.9	3.1	2.8	2.5	2.8	3.1	1.7	2.5	2.4
	MEAN LOCATION	3.2	2.5	2.3	2.7	3.1	2.5	2.3	2.6	3.1	2.0	2.2	2.5
	C.D. AT 5% =	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.3
	C.V. % =	4.8	4.0	8.6	-	2.9	4.8	7.4	-	4.8	7.9	10.6	-
	F (Prob)	.761	.000	.000	-	.472	.000	.000	-	.260	.001	.000	-

TABLE NO. 47 (CONT.)

SI NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (CM)							ZN 1 MEAN
		SRIN	ALMO	BAJA	ZN 1 MEAN	SRIN	ALMO	BAJA	KANG	PANT	BARA		
1	F H - 3361	3.2	2.3	1.7	2.4	191	193	171	162	185	143	174	
2	F H - 3362	3.2	2.4	2.2	2.6	176	200	180	185	183	140	177	
3	F H - 3363	2.9	2.4	2.0	2.4	196	191	166	157	189	153	175	
4	F H - 3364	3.2	2.4	1.7	2.4	190	194	194	158	177	146	177	
5	F H - 3365	3.1	2.4	1.8	2.5	181	181	175	162	173	146	170	
6	F H - 3366	2.9	2.4	2.2	2.5	194	189	177	152	175	145	172	
7	F H - 3367	3.2	2.4	2.3	2.6	202	201	195	155	208	146	185	
8	F H - 3368	3.0	2.5	2.5	2.7	188	206	190	162	189	157	182	
9	F H - 3370	2.9	2.4	1.8	2.4	189	208	190	167	201	140	183	
10	F H - 3371	3.2	2.4	1.8	2.5	199	187	163	167	177	133	171	
11	F H - 3373	3.3	2.4	2.2	2.6	184	173	173	160	188	156	172	
12	F H - 3375	3.3	2.4	1.8	2.5	181	180	167	152	166	177	171	
13	F H - 3376	2.8	2.3	2.0	2.4	193	182	171	158	176	155	172	
14	F H - 3378	2.8	2.6	2.3	2.6	182	199	195	155	199	173	184	
15	F H - 3379	3.0	2.4	2.3	2.6	196	191	184	175	186	161	182	
16	K D M - 438	3.1	2.8	3.0	3.0	181	211	188	177	195	175	188	
17	P S - 77	3.1	2.7	2.5	2.8	197	195	198	170	198	152	185	
18	P E H - 2	3.2	2.8	2.3	2.8	191	212	205	192	220	156	196	
19	F QPMH - 7	3.1	2.5	2.3	2.6	180	215	187	163	207	160	186	
20	F QPHM - 15	3.1	2.5	2.5	2.7	190	213	193	157	187	138	180	
21	K L M - 5	2.6	2.6	2.2	2.4	189	200	192	172	206	145	184	
22	K L M - 7	3.2	2.7	2.3	2.8	203	189	189	165	205	148	183	
CHECKS:													
23	VIVEK SANKUL -11	3.2	2.8	2.2	2.7	180	183	182	160	177	154	173	
24	VIVEK HYBRID-9	2.8	2.3	2.3	2.5	193	209	187	170	198	151	185	
25	VIVEK HYBRID-15	3.2	2.5	2.2	2.6	174	193	185	158	184	163	176	
26	SURYA	3.1	2.9	2.5	2.8	198	206	199	173	191	147	186	
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob) =													

TABLE NO. 47 (CONT.)

S1 NO	PEDIGREE	EAR HEIGHT (cm)							EAR No. / PLANT				H. turcicum *			Zn-1 MEAN
		SRIN	ALMO	BAJA	KANG	PANT	BARA	MEAN	SRIN	ALMO	BARA	ALMO	BAJA	ALMO	BAJA	
1	F H - 3361	82	92	81	56	70	66	74	1.05	1.02	0.88	1.1	1.2	1.1	1.1	
2	F H - 3362	71	98	92	63	73	60	76	1.00	1.04	0.88	1.1	1.3	1.2	1.2	
3	F H - 3363	89	105	85	57	80	60	80	1.06	1.00	0.95	1.3	1.5	1.4	1.4	
4	F H - 3364	81	100	100	68	81	56	81	1.04	1.02	0.90	1.0	1.3	1.2	1.2	
5	F H - 3365	76	89	80	65	77	64	75	0.98	0.98	0.97	1.3	1.5	1.4	1.4	
6	F H - 3366	80	87	87	57	65	60	73	1.00	0.97	0.97	1.3	1.5	1.4	1.4	
7	F H - 3367	90	102	110	62	75	61	83	1.02	1.09	0.94	1.5	1.5	1.5	1.5	
8	F H - 3368	86	103	97	60	78	64	81	1.02	1.02	0.92	1.4	1.5	1.4	1.4	
9	F H - 3370	68	105	88	55	89	54	77	1.00	1.00	0.97	1.2	1.3	1.3	1.3	
10	F H - 3371	92	95	83	55	72	65	77	1.07	1.02	0.88	1.2	1.2	1.2	1.2	
11	F H - 3373	81	91	92	60	92	69	81	1.15	1.00	0.89	1.4	1.3	1.4	1.4	
12	F H - 3375	77	88	86	63	69	56	73	1.06	1.00	0.96	1.2	1.2	1.2	1.2	
13	F H - 3376	77	85	84	57	76	52	72	1.05	1.00	0.90	1.3	1.3	1.3	1.3	
14	F H - 3378	73	102	90	62	79	79	81	1.02	0.98	0.93	1.4	1.5	1.5	1.5	
15	F H - 3379	90	96	98	60	70	62	80	1.00	1.02	0.89	1.3	1.5	1.4	1.4	
16	K D M - 438	77	112	88	67	86	75	84	1.04	1.01	0.95	1.3	1.5	1.4	1.4	
17	P S - 77	78	97	75	60	76	57	74	1.03	1.00	0.89	1.7	1.7	1.7	1.7	
18	P E H - 2	86	108	96	82	99	64	89	1.03	1.03	0.91	1.6	1.5	1.6	1.6	
19	F QPMH - 7	86	111	101	63	84	64	85	1.02	1.01	0.96	1.1	1.5	1.3	1.3	
20	F QPHM - 15	84	104	105	55	74	53	79	1.00	0.98	0.94	1.4	1.5	1.5	1.5	
21	K L M - 5	86	96	82	62	83	53	77	1.05	1.00	0.95	1.4	1.3	1.4	1.4	
22	K L M - 7	91	92	97	55	88	59	80	1.06	1.02	0.90	1.3	1.3	1.3	1.3	
CHECKS:																
23	VIVEK SANKUL -11	73	88	87	59	76	61	74	1.00	1.06	0.97	1.0	1.5	1.3	1.3	
24	VIVEK HYBRID-9	82	103	86	65	79	66	80	1.00	1.02	0.89	1.3	1.5	1.4	1.4	
25	VIVEK HYBRID-15	68	94	84	57	75	79	76	1.00	1.01	1.04	1.3	1.3	1.3	1.3	
26	SURYA	91	103	97	68	80	62	84	1.02	0.98	0.96	2.3	1.7	2.0	2.0	
MEAN LOCATION																
		81	98	90	61	79	62	79	-	-	-	1.3	1.4	1.4	1.4	
C.D. AT 5%		19.0	9.2	18.6	11.3	15.3	18.3	15.3	-	-	-	0.3	0.3	0.3	0.3	
C.V. %		14.3	5.7	12.6	11.3	11.8	17.9	-	-	-	11.9	14.2	-	-	-	
F (Prob)		.340	.000	.066	.010	.016	.279	-	-	-	.000	.181	-	-	-	

TABLE NO. 47 (CONT.)

Sl No	PEDIGREE	H. maydis *		ZN 1 MEAN	PHYSO -DERMA* ALMO	BSDM ALMO	STAND AT HARVEST					ZN 1 MEAN	
		ALMO	BAJA				SRIN	ALMO	BAJA	KANG	PANT		BARA
1	F H - 3361	1.2	1.3	1.3	2.0	1.8	17	20	37	28	33	32	28
2	F H - 3362	1.3	1.5	1.4	2.3	1.7	16	21	37	25	17	30	24
3	F H - 3363	1.3	1.5	1.4	1.8	1.8	16	22	35	27	34	30	27
4	F H - 3364	1.1	1.5	1.3	1.8	1.8	14	24	35	27	31	28	27
5	F H - 3365	1.5	1.5	1.5	2.1	1.9	15	23	35	28	36	28	27
6	F H - 3366	1.5	1.5	1.5	2.2	2.1	15	21	34	27	35	26	26
7	F H - 3367	1.6	1.7	1.6	1.9	1.6	14	21	35	30	32	28	27
8	F H - 3368	1.4	1.5	1.4	1.8	1.6	13	22	37	26	38	31	28
9	F H - 3370	1.4	1.3	1.4	1.8	1.4	15	22	35	24	39	33	28
10	F H - 3371	1.2	1.5	1.3	2.2	1.9	13	22	36	26	36	24	26
11	F H - 3373	1.5	1.3	1.4	1.9	2.3	14	22	37	22	32	26	26
12	F H - 3375	1.3	1.2	1.2	1.9	2.1	16	22	38	28	27	26	26
13	F H - 3376	1.7	1.2	1.4	2.5	1.8	13	21	38	27	36	30	28
14	F H - 3378	1.4	1.5	1.5	2.1	2.0	16	21	35	26	25	28	25
15	F H - 3379	1.7	1.7	1.7	1.9	2.2	17	21	32	28	34	27	27
16	K D M - 438	1.4	1.5	1.5	1.7	2.0	17	20	32	23	35	29	26
17	P S - 77	1.9	2.3	2.1	1.9	1.9	16	22	33	22	33	27	25
18	P E H - 2	2.8	1.8	2.3	1.8	1.8	15	23	36	25	34	26	26
19	F OPMH - 7	1.3	1.5	1.4	1.9	2.3	17	22	36	27	36	28	28
20	F OPHM - 15	2.0	2.0	2.0	2.2	1.8	15	21	37	25	37	31	28
21	K L M - 5	1.7	1.5	1.6	2.0	2.1	18	23	38	26	36	30	28
22	K L M - 7	1.6	1.3	1.5	1.9	1.9	13	21	34	27	38	29	27
CHECKS:													
23	VIVEK SANKUL -11	1.4	1.7	1.5	1.7	2.2	17	20	37	28	31	28	27
24	VIVEK HYBRID-9	1.2	1.5	1.3	2.0	2.4	15	22	34	28	30	31	27
25	VIVEK HYBRID-15	1.4	1.7	1.5	1.9	2.3	16	21	37	28	34	27	27
26	SURYA	1.8	1.8	1.8	1.9	1.9	16	21	31	26	32	29	26
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob) =													
.000 .018 12.8 19.6 0.3 0.5 1.5 1.6 1.8 1.5 0.4 0.4 0.5 3.8 2.6 3.3 2.7 8.4 4.1 4.1													
.082 13.6 15.2 15.0 7.2 5.6 6.1 15.5 8.9													
.014 .268 .399 .001 .000 .003 .012													

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

TABLE NO. 48

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR, ALMORA, BAJAURA, KANGRA, PANTNAGAR IN ZONAL TRIAL NO. TR103A DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZN I				
		SRIN	ALMO	BAJA	KANG	PANT	R	MEAN	R	MEAN	R					
1	M 1076	730	504	822	225	0	229	1206	555	11	12	13	13	13	13	13
2	M 1221	556	687	794	224	34	33	11	22	34	11	12	11	12	11	12
3	M 1335	208	170	976	224	10	22	11	22	34	11	12	11	12	11	12
4	M 1337	267	393	764	157	4	11	11	11	11	11	11	11	11	11	11
5	M 4330	361	488	856	157	17	11	11	11	11	11	11	11	11	11	11
6	M 3381	342	563	758	163	9	11	11	11	11	11	11	11	11	11	11
7	M 3384	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
8	M 3385	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
9	M 3381	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
10	M 3384	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
11	M 1141	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
12	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
13	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
14	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
15	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
16	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
17	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
18	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
19	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
20	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
21	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
22	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
23	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
24	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
25	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
26	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
27	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
28	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
29	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11
30	M 1145	391	673	881	163	5	11	11	11	11	11	11	11	11	11	11

CHECKS HYB -15
 VIVEK - 11
 SURYA - 9
 VIVEK
 MEAN YIELD=
 C.D. at 5%=
 C.V. (%)=
 PLOT SIZE=
 AGRONOMY DATA:
 SOWING DATE (2005)
 HARVEST DATE (2005)
 IRRIGATION NOS
 FERTILIZER APPLIED N P K

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE VIVEK HYB. -15								PANT	ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	KANG	BAJA	SRIN	ALMO		
1	N H M - 1076	4.46	5.54	-	0.70	-	-	-	-	-	-
2	N M H - 1221	-	24.73	-	1.46	-	-	-	-	-	-
3	D E H - 133	-	-	11.90	-	-	-	-	17.50	2.04	-
4	D E H - 135	-	-	-	-	-	-	-	45.73	-	-
5	D E H - 137	3.25	-	-	-	-	-	-	4.74	-	-
6	S M H - 4334	-	33.46	8.24	6.95	-	-	-	18.07	14.11	-
7	F H - 3380	2.18	7.81	19.23	2.62	-	-	-	-	6.17	-
8	F H - 3381	-	2.30	-	8.36	-	-	-	10.36	-	-
9	F H - 3384	-	-	-	-	-	-	-	40.11	-	-
10	F H - 3385	11.92	-	-	2.45	-	-	-	30.38	-	-
11	F H - 3401	9.59	13.63	2.30	4.79	-	-	-	29.87	10.89	-
12	D E H - 139	-	-	-	-	-	-	-	17.57	-	-
13	D E H - 141	-	-	-	-	-	-	-	3.42	-	-
14	D E H - 143	-	-	-	-	-	-	-	-	-	-
15	D E H - 145	-	-	-	-	-	-	-	11.49	-	-
16	V L - 112	-	-	-	0.20	-	-	-	-	-	-
17	V L - 113	-	-	-	-	-	-	-	-	-	-
18	V L - 114	16.12	-	-	5.68	-	-	-	-	-	-
19	V L - 115	4.39	-	-	-	-	-	-	8.34	-	-
20	L - 200	2.22	-	-	-	-	-	-	-	-	-
21	L - 205	-	-	-	-	-	-	-	-	-	-
22	L - 206	5.32	-	-	11.64	-	-	-	-	-	-
23	L - 208	-	-	-	5.11	-	-	-	4.10	-	-
24	L - 209	-	0.63	9.45	1.42	-	-	-	-	3.07	-
25	L - 210	13.47	-	-	3.37	-	-	-	-	-	-
26	D - 131	2.90	-	0.52	-	-	-	-	-	-	-
	D - 131	1.26	-	-	-	-	-	-	-	-	-
CHECKS:											
27	VIVEK HYB. -15	-	-	-	-	-	-	-	-	-	-
28	VIVEK - 11	7.72	-	-	-	-	-	-	18.75	-	-
29	SURYA	-	-	-	3.83	-	-	-	-	-	-
30	VIVEK HYB. - 9	0.36	12.99	-	-	-	-	-	13.69	2.92	-

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE VIVEK - 11							ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	PANT			
1	N H M - 1076	-	42.70	13.69	5.89	-	-	-	8.26
2	N M H - 1221	-	68.64	21.55	6.69	-	-	-	8.98
3	D E H - 133	-	14.05	39.60	-	-	-	-	13.49
4	D E H - 135	-	17.34	9.21	2.68	22.72	-	-	8.92
5	D E H - 137	-	8.08	17.21	2.07	-	-	-	4.02
6	S M H - 4334	-	80.45	35.02	12.46	-	-	-	26.91
7	F H - 3380	-	45.77	48.74	7.90	-	-	-	18.08
8	F H - 3381	-	38.32	11.76	13.94	-	-	-	9.00
9	F H - 3384	-	31.27	-	2.59	17.99	-	-	7.03
10	F H - 3385	3.90	27.68	-	7.73	9.80	-	-	9.26
11	F H - 3401	1.73	53.64	27.62	10.19	9.37	-	-	23.33
12	D E H - 139	-	18.47	18.81	-	-	-	-	7.63
13	D E H - 141	-	27.00	17.87	1.87	-	-	-	7.43
14	D E H - 143	-	28.05	1.28	4.45	-	-	-	1.93
15	D E H - 145	-	24.09	5.88	5.36	-	-	-	3.27
16	V L - 112	-	1.96	15.21	2.39	-	-	-	-
17	V L - 113	-	19.53	21.09	11.13	-	-	-	6.02
18	V L - 114	7.79	19.27	9.32	1.91	-	-	-	6.61
19	V L - 115	-	4.11	10.68	3.09	-	-	-	-
20	L - 200	-	2.49	1.54	-	-	-	-	-
21	L - 205	-	28.85	15.51	17.39	-	-	-	4.61
22	L - 206	-	28.91	4.32	10.52	-	-	-	5.87
23	L - 208	-	7.76	11.48	-	-	-	-	-
24	L - 209	-	36.06	36.53	6.65	-	-	-	14.63
25	L - 210	5.34	29.79	6.19	8.69	-	-	-	2.20
26	D - 131	-	34.73	25.40	3.55	-	-	-	7.26
CHECKS:									
27	VIVEK HYB. -15	-	35.21	24.75	5.15	-	-	-	11.22
28	VIVEK - 11	-	-	-	-	-	-	-	-
29	SURYA	-	1.99	5.72	9.18	-	-	-	-
30	VIVEK HYB. - 9	-	52.78	16.18	1.02	-	-	-	14.46

TABLE NO. 48 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SURYA							ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	PANT			
1	N H M - 1076	12.58	39.92	7.54	-	43.16		18.98	
2	N M H - 1221	-	65.35	14.97	-	4.08		19.77	
3	D E H - 133	7.47	11.83	32.04	-	90.13		24.73	
4	D E H - 135	-	15.05	3.30	-	135.82		19.71	
5	D E H - 137	11.29	5.97	10.87	-	69.49		14.32	
6	S M H - 4334	-	76.93	27.72	3.01	91.05		39.48	
7	F H - 3380	10.14	42.92	40.68	-	31.90		29.77	
8	F H - 3381	-	35.62	5.71	4.36	78.59		19.79	
9	F H - 3384	1.58	28.71	-	-	126.72		17.63	
10	F H - 3385	20.63	25.19	-	-	110.99		20.07	
11	F H - 3401	18.12	50.64	20.71	0.92	110.15		35.55	
12	D E H - 139	5.24	16.16	12.38	-	90.25		18.29	
13	D E H - 141	6.53	24.52	11.49	-	67.35		18.06	
14	D E H - 143	6.20	25.55	-	-	58.04		12.03	
15	D E H - 145	-	21.67	0.15	-	80.41		13.49	
16	V L - 112	0.70	-	8.97	-	49.61		8.28	
17	V L - 113	-	17.20	14.54	1.78	60.03		16.51	
18	V L - 114	25.15	16.94	3.40	-	75.31		17.17	
19	V L - 115	12.51	2.08	4.69	-	33.02		7.19	
20	L - 200	10.18	0.49	-	-	43.33		4.25	
21	L - 205	-	26.33	9.26	7.52	51.62		14.97	
22	L - 206	-	26.39	-	1.23	68.46		16.35	
23	L - 208	5.72	5.65	5.45	-	43.14		7.18	
24	L - 209	22.30	33.40	29.14	-	39.19		25.98	
25	L - 210	10.91	27.26	0.44	-	33.02		12.32	
26	D - 131	9.14	32.10	18.61	-	24.56		17.88	
CHECKS:									
27	VIVEK HYB. - 15	7.78	32.57	17.99	-	61.82		22.23	
28	VIVEK - 11	16.11	-	-	-	92.15		9.90	
29	SURYA	-	-	-	-	-		-	
30	VIVEK HYB. - 9	8.16	49.80	9.90	-	83.98		25.79	

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED					DAYS TO 50% SILKING					ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	ZN 1 MEAN	SRIN	ALMO	BAJA	KANG	PANT	
1	N H M - 1076	75.7	57.7	64.7	49.7	61.9	78.0	58.3	66.7	53.3	52.0	61.7
2	N M H - 1221	73.7	60.0	67.0	53.7	63.6	76.0	61.0	69.7	57.0	62.0	65.1
3	D E H - 133	72.0	51.7	62.7	52.0	59.6	74.0	53.3	65.3	55.0	47.3	59.0
4	D E H - 135	74.3	51.7	61.0	50.7	59.4	76.3	52.7	64.0	53.7	46.7	58.7
5	D E H - 137	73.7	51.3	59.3	52.3	59.2	75.7	52.3	62.0	55.7	48.7	58.9
6	S M H - 4334	74.0	54.0	65.0	55.3	62.1	76.0	55.0	67.3	58.3	55.3	62.4
7	F H H - 3380	72.7	53.0	64.3	51.7	60.4	76.3	52.7	66.7	54.3	48.3	59.7
8	F H H - 3381	74.7	52.7	59.7	51.7	59.7	79.0	52.7	62.0	54.3	48.7	59.3
9	F H H - 3384	72.3	52.0	63.7	52.7	60.2	74.7	51.7	66.3	56.0	47.0	59.1
10	F H H - 3385	75.7	51.7	61.7	51.7	60.2	77.7	52.7	64.3	54.7	52.3	60.3
11	F H H - 3401	74.3	52.3	64.3	50.3	60.3	76.3	53.3	66.3	54.0	46.3	59.3
12	D E H - 139	74.3	52.3	62.3	51.7	60.2	77.3	53.0	66.0	55.3	47.3	59.8
13	D E H - 141	71.7	51.7	64.3	52.0	59.9	74.0	52.3	66.0	55.7	47.3	59.1
14	D E H - 143	73.3	51.0	60.3	51.0	58.9	76.3	52.0	63.0	53.7	47.0	58.4
15	D E H - 145	70.3	49.7	63.3	51.7	58.8	73.7	50.7	65.7	54.7	49.0	58.7
16	V L L - 112	71.7	51.3	61.7	52.0	59.2	74.3	51.7	64.3	55.3	47.3	58.6
17	V L L - 113	74.0	48.0	59.0	53.3	58.6	76.3	48.7	61.3	56.3	49.3	58.4
18	V L L - 114	73.7	50.0	60.3	51.7	58.9	76.0	51.0	63.0	55.7	47.3	59.5
19	V L L - 115	73.7	50.3	63.7	50.7	59.6	76.0	51.3	65.7	53.7	47.3	58.8
20	L - 200	71.7	52.3	63.0	52.0	59.8	74.0	53.7	65.3	55.0	52.0	60.0
21	L - 205	73.3	54.7	60.0	55.3	60.8	74.3	55.7	63.0	58.3	50.0	60.3
22	L - 206	73.0	54.7	61.7	52.3	60.4	75.3	55.7	64.0	55.7	50.7	60.3
23	L - 208	74.3	52.7	59.3	55.7	60.5	76.7	54.0	60.7	58.7	52.7	60.5
24	L - 209	72.7	54.3	64.0	50.7	60.4	74.7	55.7	66.3	53.7	55.0	61.1
25	L - 210	70.0	56.0	66.7	54.3	61.7	72.7	57.0	69.0	58.0	54.7	62.3
26	D - 131	75.0	54.3	62.3	49.7	60.3	77.3	54.7	64.7	52.7	49.7	59.8
CHECKS:												
27	VIVEK HYB. - 15	73.3	51.7	56.0	53.0	58.5	75.3	51.0	58.7	56.0	48.7	57.9
28	VIVEK - 11	74.0	51.0	60.0	51.0	59.0	76.0	52.0	63.0	54.0	48.0	58.6
29	SURYA	73.3	51.0	58.3	52.7	58.8	75.7	52.7	61.7	56.0	49.0	59.0
30	VIVEK HYB. - 9	73.3	50.3	60.7	51.3	58.9	75.7	51.0	63.0	54.3	48.0	58.3
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
F (Prob) =												

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 1 MEAN
		SRIN	ALMO	BAJA	KANG	ZN 1 MEAN	SRIN	ALMO	BAJA	KANG	PANT	
1	N H M - 1076	135.7	105.3	107.7	94.7	110.8	17.5	40.3	23.5	19.3	37.7	27.6
2	N H H - 1221	133.0	106.0	102.3	97.3	109.7	18.3	42.4	25.8	20.2	35.9	28.5
3	D E H - 133	132.0	100.0	100.0	97.7	105.7	19.4	32.0	21.0	21.2	21.6	23.0
4	D E H - 135	135.3	95.3	100.3	97.7	107.2	20.0	31.7	21.4	20.2	25.4	23.7
5	D E H - 137	133.7	94.7	100.7	98.0	106.8	18.7	30.3	20.4	20.6	26.3	23.2
6	S H H - 4334	134.3	94.7	99.7	97.3	106.5	21.7	31.4	21.0	19.8	31.7	25.1
7	F H H - 3380	132.3	90.0	105.0	98.3	106.4	17.9	31.5	20.0	20.9	31.7	24.4
8	F H H - 3381	135.3	87.0	95.0	97.3	103.7	18.9	29.4	20.4	18.4	22.4	22.1
9	F H H - 3384	133.3	94.7	101.0	98.0	106.8	18.4	30.6	20.9	20.1	25.1	23.0
10	F H H - 3385	133.7	94.7	101.0	97.7	106.8	18.5	32.5	21.0	19.0	25.7	23.3
11	F H H - 3401	133.7	95.0	103.7	97.0	107.3	18.3	34.0	22.0	20.3	25.8	24.1
12	D E H - 139	134.3	94.0	100.3	97.7	106.6	19.3	30.0	19.5	20.1	31.2	24.0
13	D E H - 141	131.0	95.0	95.0	97.0	104.5	17.1	30.0	22.0	20.5	22.6	22.5
14	D E H - 143	132.0	90.7	101.3	97.3	105.3	19.0	31.2	23.3	21.0	30.7	25.0
15	D E H - 145	136.0	93.0	101.0	98.7	107.5	17.6	29.0	21.1	21.8	21.9	22.3
16	V L L - 112	132.7	85.3	92.7	97.0	101.7	17.7	29.0	22.0	20.6	27.5	23.5
17	V L L - 113	135.7	93.3	95.7	95.7	105.1	21.0	28.2	19.6	21.3	26.1	23.2
18	V L L - 114	134.0	91.0	96.7	97.3	104.8	18.7	29.9	19.6	19.1	28.1	23.1
19	V L L - 115	133.7	93.3	100.3	97.7	106.3	17.5	30.4	22.1	22.1	23.1	23.1
20	L L - 200	131.0	97.0	99.7	97.3	106.3	17.5	34.2	22.5	17.7	29.2	24.2
21	L L - 205	135.3	91.0	102.7	98.0	106.8	18.4	33.3	20.7	19.8	27.0	23.8
22	L L - 206	130.0	95.0	99.7	98.3	105.8	18.6	29.1	19.8	18.8	25.8	22.4
23	L L - 208	134.7	97.3	101.7	97.0	107.7	17.5	33.3	22.6	18.8	33.4	25.1
24	L L - 209	136.3	96.0	100.7	98.0	107.8	17.1	33.5	21.6	21.3	32.3	25.2
25	L L - 210	135.3	97.0	101.7	98.3	108.1	20.2	33.3	20.6	19.5	29.6	24.7
26	D - 131	135.3	94.7	94.7	97.3	105.5	20.7	32.7	18.4	20.3	26.1	23.6
27	VIVEK HYB. - 15	134.0	90.0	99.0	97.0	105.0	18.2	30.7	23.2	20.9	26.1	23.8
28	VIVEK - 11	135.3	95.0	93.7	97.7	105.4	21.2	27.9	18.7	19.2	31.4	23.7
29	SURYA	135.3	98.0	101.3	97.7	108.1	18.3	32.2	22.3	20.8	30.0	24.7
30	VIVEK HYB. - 9	133.9	94.4	99.8	97.5	106.4	18.8	31.9	21.3	20.1	27.8	24.0
	MEAN LOCATION	4.0	2.2	2.4	2.1	2.7	3.3	3.8	1.7	1.8	3.1	2.7
	C.D. AT 5%	1.8	1.4	1.5	1.3	-	10.6	7.2	4.8	5.3	6.9	-
	C.V. %	.144	.000	.000	.204	-	.302	.000	.000	.001	.000	-
	F (Prob)											

CHECKS:
 27 VIVEK HYB. - 15
 28 VIVEK - 11
 29 SURYA
 30 VIVEK HYB. - 9
 MEAN LOCATION
 C.D. AT 5%
 C.V. %
 F (Prob)

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	PLANT ASPECT *			EAR ASPECT *			HUSK COVER *			ZN 1		
		SRIN	ALMO	BAJA	SRIN	ALMO	BAJA	SRIN	ALMO	BAJA	SRIN	ALMO	BAJA
1	N H M - 1076	3.2	2.5	2.3	3.2	2.4	2.2	3.1	2.1	2.2	3.1	2.1	2.5
2	N M H - 1221	3.3	2.7	3.0	3.0	2.3	2.2	3.2	2.1	2.5	3.2	2.1	2.6
3	D E H - 133	3.2	2.5	2.5	3.1	2.7	2.2	3.3	1.9	2.5	3.3	1.9	2.5
4	D E H - 135	3.1	2.5	2.3	3.2	2.6	2.5	3.2	2.6	2.7	3.2	2.6	2.8
5	D E H - 137	3.1	2.6	2.3	3.2	2.7	2.5	3.2	2.3	2.8	3.2	2.3	2.8
6	S M H - 4334	3.3	2.4	1.8	3.1	2.4	1.8	3.1	2.4	2.3	3.1	2.4	2.6
7	F H H - 3380	3.2	2.4	2.3	3.1	2.6	2.0	3.1	2.0	2.2	3.2	2.0	2.5
8	F H H - 3381	3.1	2.3	1.8	3.1	2.6	2.0	3.1	2.0	2.2	3.1	2.0	2.5
9	F H H - 3384	3.3	2.3	2.0	3.3	2.6	2.3	3.3	2.3	2.0	3.3	2.3	2.4
10	F H H - 3385	3.3	2.5	2.0	3.3	2.5	2.3	3.3	2.3	2.0	3.3	2.3	2.6
11	F H H - 3401	3.2	2.4	2.0	3.2	2.4	2.2	3.2	1.6	2.3	3.2	1.6	2.3
12	D E H - 139	3.3	2.6	2.3	3.3	2.6	2.5	3.3	2.4	2.7	3.3	2.4	2.6
13	D E H - 141	3.3	2.5	2.0	3.3	2.5	2.3	3.3	2.6	2.3	3.3	2.6	2.6
14	D E H - 143	3.2	2.6	2.7	3.2	2.6	2.5	3.2	2.7	2.5	3.2	2.7	2.6
15	D E H - 145	3.2	2.6	2.8	3.2	2.6	2.5	3.2	2.4	2.7	3.2	2.4	2.7
16	V L L - 112	3.1	2.4	2.5	3.1	2.7	2.8	3.1	2.8	2.8	3.1	2.8	2.9
17	V L L - 113	3.2	2.5	2.2	3.2	2.5	2.5	3.2	2.6	2.5	3.2	2.6	2.7
18	V L L - 114	3.2	2.5	2.5	3.2	2.5	2.5	3.2	2.7	2.5	3.2	2.7	2.6
19	V L L - 115	3.1	2.4	2.7	3.1	2.7	2.8	3.1	2.7	2.8	3.1	2.7	2.6
20	L L - 200	3.1	2.7	2.8	3.1	2.8	2.5	3.1	2.8	2.5	3.1	2.8	2.6
21	L L - 205	3.2	2.5	2.5	3.2	2.5	2.5	3.2	2.5	2.5	3.2	2.5	2.6
22	L L - 206	3.2	2.5	2.8	3.2	2.5	2.8	3.2	2.8	2.5	3.2	2.8	2.6
23	L L - 208	3.1	2.5	2.5	3.1	2.5	2.5	3.1	2.5	2.5	3.1	2.5	2.6
24	L L - 209	3.1	2.6	3.0	3.1	2.7	2.3	3.1	2.3	2.3	3.1	2.3	2.5
25	L L - 210	3.3	2.7	2.5	3.3	2.5	2.5	3.3	2.5	2.5	3.3	2.5	2.5
26	L L - 131	3.0	2.5	2.5	3.0	2.5	2.5	3.0	2.4	2.5	3.0	2.4	2.5
CHECKS:													
27	VIVEK HYB. -15	3.3	2.5	2.3	3.2	2.5	2.3	3.2	2.5	2.3	3.2	2.5	2.5
28	VIVEK - 11	3.2	2.8	2.5	3.2	3.0	2.5	3.2	3.0	2.3	3.2	3.0	2.5
29	SURYA	3.1	2.5	2.7	3.1	2.6	2.5	3.1	2.6	2.3	3.1	2.6	2.4
30	VIVEK HYB. - 9	3.2	2.3	2.2	3.2	2.3	2.2	3.2	2.3	2.2	3.2	2.3	2.6
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob) =													
.640 .000 10.4 4.7 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.4													
.299 .000 15.4 .053													

TABLE NO. 48 (CONT.)

Sl NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				ZN 1 MEAN	
		SRIN	ALMO	BAJA	ZN 1 MEAN	SRIN	ALMO	BAJA	KANG		PANT
1	N H M - 1076	3.0	2.7	2.5	2.7	195	224	209	160	205	198
2	N M H - 1221	3.3	2.9	2.8	3.0	190	253	235	183	173	207
3	D E H - 133	3.1	2.7	2.5	2.8	185	214	207	196	207	202
4	D E H - 135	2.9	2.5	2.3	2.8	188	211	203	168	203	195
5	D E H - 137	3.2	2.6	2.3	2.7	178	217	195	200	198	198
6	S M H - 4334	3.2	2.5	2.3	2.7	185	229	178	163	177	187
7	F H H - 3380	2.8	2.3	2.0	2.4	192	199	197	152	188	186
8	F H H - 3381	3.0	2.4	2.2	2.5	180	198	194	145	171	178
9	F H H - 3384	3.2	2.4	2.0	2.5	189	218	187	182	180	191
10	F H H - 3401	3.1	2.4	1.8	2.5	192	203	182	153	162	178
11	F H H - 139	3.1	2.4	2.0	2.5	187	204	167	153	171	176
12	D E H - 141	3.3	2.6	2.5	2.8	192	215	187	168	216	196
13	D E H - 143	3.1	2.6	2.7	2.8	178	224	195	168	219	197
14	D E H - 145	3.2	2.6	2.5	2.8	189	229	211	157	195	196
15	D E H - 112	3.0	2.5	2.5	2.7	181	202	183	190	194	190
16	V L L - 113	3.1	2.8	2.3	2.8	185	208	184	172	192	188
17	V L L - 114	3.1	2.7	2.5	2.8	185	198	193	159	183	184
18	V L L - 115	3.0	2.8	2.5	2.8	187	215	209	200	179	198
19	V L L - 200	3.1	2.7	2.5	2.8	183	197	199	166	190	187
20	L L - 205	3.0	2.8	2.7	2.8	181	217	221	210	194	205
21	L L - 206	3.2	2.8	2.5	2.8	188	231	204	160	194	195
22	L L - 208	3.1	2.8	3.0	3.0	195	237	232	158	219	209
23	L L - 209	3.1	2.8	3.0	3.0	185	230	235	167	203	203
24	L L - 210	3.1	2.9	2.7	2.9	189	244	230	177	215	211
25	L L - 131	3.1	2.9	3.0	3.0	184	255	231	203	197	214
26	D	3.1	2.9	2.7	2.9	181	217	209	178	205	198
CHECKS:											
27	VIVEK HYB. -15	3.1	2.4	2.2	2.6	196	193	190	158	188	185
28	VIVEK - 11	3.0	2.8	2.0	2.6	189	184	186	140	168	173
29	SURYA	3.1	2.8	2.7	2.9	179	217	205	200	195	199
30	VIVEK HYB. - 9	3.2	2.2	2.0	2.5	191	223	190	182	201	197
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											

TABLE NO. 48 (CONT.)

SI NO	PEDIGREE	EAR HEIGHT (cm)				EAR No. / PLANT				H. turcicum *			
		SRIN	ALMO	BAJA	KANG	PANT	ZN 1 MEAN	SRIN	ALMO	ALMO	BAJA	ZN 1 MEAN	
1	N H M - 1076	95	129	118	62	93	99	1.02	1.08	1.0	1.0	1.0	
2	N H M H - 1221	92	156	135	65	88	107	1.09	1.06	1.0	1.0	1.2	
3	D E H H - 133	76	108	113	72	88	92	1.02	1.00	1.3	1.3	1.3	
4	D E H H - 135	81	105	98	57	83	85	1.06	1.09	1.5	1.2	1.3	
5	D E H H - 137	81	111	81	57	85	84	1.06	1.09	1.3	1.5	1.4	
6	S M H H - 4334	83	123	100	73	82	92	1.03	1.01	1.4	1.2	1.3	
7	F H H H - 3380	81	96	76	60	66	76	1.05	1.07	1.3	1.2	1.2	
8	F H H H - 3381	82	101	115	59	76	86	1.00	1.07	1.3	1.5	1.4	
9	F H H H - 3384	79	111	97	66	78	86	1.02	1.06	1.2	1.2	1.2	
10	F H H H - 3385	86	98	95	65	55	80	1.05	1.07	1.3	1.5	1.4	
11	F H H H - 3401	87	101	88	62	78	83	1.03	1.04	1.3	1.2	1.2	
12	D E H H - 139	82	104	86	72	103	89	1.00	1.09	1.4	1.5	1.4	
13	D E H H - 141	74	118	104	55	91	88	1.02	1.03	1.3	1.5	1.4	
14	D E H H - 143	84	113	113	57	81	90	1.05	1.03	1.3	1.5	1.4	
15	D E H H - 145	77	95	97	64	80	83	1.04	1.01	1.3	1.8	1.5	
16	V L L - 112	78	104	87	60	78	81	1.02	1.06	1.1	1.3	1.2	
17	V L L - 113	68	92	101	57	74	78	1.07	1.08	1.1	1.5	1.3	
18	V L L - 114	81	107	93	60	73	83	1.00	1.02	1.5	1.5	1.5	
19	V L L - 115	62	94	102	62	74	79	1.04	1.05	1.3	1.3	1.4	
20	L - 200	79	113	107	61	85	89	1.05	1.03	1.4	1.5	1.3	
21	L - 205	77	126	106	75	89	95	1.00	1.00	1.1	1.5	1.3	
22	L - 206	77	130	131	53	93	97	0.98	1.02	1.3	1.5	1.4	
23	L - 208	69	120	118	68	82	92	1.02	1.04	1.4	1.5	1.5	
24	L - 209	77	134	117	70	96	99	1.00	1.00	1.3	1.5	1.1	
25	L - 210	87	142	115	70	99	103	0.97	1.05	1.3	1.5	1.4	
26	D - 131	79	113	112	68	89	92	1.00	1.00	1.0	1.3	1.2	
CHECKS:													
27	VIVEK HYB. -15	87	91	87	57	76	79	1.03	1.05	1.4	1.5	1.4	
28	VIVEK - 11	87	82	70	45	66	70	1.07	1.01	1.3	1.0	1.1	
29	SURYA	85	109	103	69	74	88	1.06	1.08	2.5	1.5	2.0	
30	VIVEK HYB. - 9	75	105	78	63	74	79	1.05	1.10	1.3	1.3	1.3	
MEAN LOCATION													
C.D. AT 5%		15.7	10.2	21.3	7.0	19.3	14.7	-	-	0.3	0.4	0.4	
C.V. %		12.0	5.6	12.9	6.8	14.5	-	-	-	16.3	16.8	-	
F (Prob)		.083	.000	.000	.000	.004	-	-	-	.000	.008	-	

TABLE NO. 48 (CONT.)

Sl NO	PEDIGREE	H. maydis *		ZN 1 MEAN	PHYSO- DERMA *		BSDM *		STAND AT HARVEST		PANT	ZN 1 MEAN	
		ALMO	BAJA		ALMO	ALMO	ALMO	SRIN	ALMO	BAJA			KANG
1	NH M - 1076	1.0	1.2	1.1	1.8	1.8	1.8	15	22	36	28	29	26
2	NH M H - 1221	1.2	1.3	1.3	1.8	1.8	1.8	14	23	34	26	31	26
3	NH M H H - 133	1.6	1.3	1.5	2.2	1.7	1.8	14	23	38	27	39	29
4	DE H H - 135	1.9	1.7	1.8	1.7	1.7	1.7	14	23	36	30	28	26
5	DE H H - 137	1.3	1.5	1.4	1.8	1.8	1.6	19	21	36	29	19	25
6	DE H H - 4334	1.3	1.2	1.2	2.2	1.7	1.7	16	23	35	32	22	25
7	SS M H - 3380	1.4	1.3	1.4	1.9	1.6	1.6	18	21	36	30	32	28
8	FF H H - 3381	1.3	1.5	1.4	1.9	1.7	1.7	15	22	31	29	27	25
9	FF H H - 3384	1.2	1.2	1.2	1.9	1.4	1.4	18	21	30	29	34	26
10	FF H H - 3385	1.3	1.3	1.3	2.1	1.5	1.5	15	23	29	29	37	27
11	FF H H - 3401	1.3	1.2	1.3	1.8	1.6	1.6	16	22	31	30	32	26
12	FF H H - 139	1.7	1.7	1.7	2.0	1.7	1.7	15	22	34	29	24	25
13	DE H H - 141	1.5	1.3	1.4	1.6	1.5	1.5	16	22	38	29	23	26
14	DE H H - 143	1.5	1.8	1.7	1.8	1.8	1.8	15	22	34	30	31	27
15	DE H H - 145	1.3	1.3	1.3	1.4	1.4	1.4	15	22	35	30	34	28
16	V L L - 112	1.5	1.5	1.5	1.8	1.7	1.7	14	22	37	29	33	27
17	V L L - 113	1.5	1.8	1.5	1.4	1.4	1.4	16	22	36	31	32	27
18	V L L - 114	1.6	1.5	1.5	1.9	1.8	1.6	15	22	33	30	36	28
19	V L L - 115	1.6	1.5	1.5	1.8	1.6	1.6	17	23	34	28	36	28
20	L L - 200	1.9	1.8	1.9	1.6	1.6	1.8	14	22	39	29	34	23
21	L L - 205	1.6	1.7	1.6	2.0	1.8	1.8	14	22	34	29	19	23
22	L L - 206	1.5	1.3	1.4	1.7	1.6	1.7	13	22	34	29	35	26
23	L L - 208	1.4	1.7	1.6	1.6	1.8	1.7	14	20	36	27	31	28
24	L L - 209	1.4	1.3	1.4	1.8	1.8	1.7	15	24	38	31	31	27
25	L L - 210	1.5	1.7	1.6	2.0	1.7	1.7	15	21	36	30	35	27
26	L L - 131	1.3	1.2	1.3	1.7	1.7	1.6	14	22	36	32	34	27
27	VIVEK HYB. -15	1.5	1.5	1.5	2.2	2.2	2.0	17	21	39	31	41	30
28	VIVEK - 11	1.0	1.5	1.3	1.5	1.5	1.5	15	24	35	29	33	27
29	SURYA	1.5	1.5	1.5	1.8	1.5	1.5	15	23	36	29	36	28
30	VIVEK HYB. - 9	1.1	1.3	1.2	1.5	1.5	1.7	15	22	38	30	40	29
	MEAN LOCATION	1.4	1.5	1.4	1.8	1.7	1.7	15	22	35	29	31	27
	C.D. AT 5% =	0.4	0.5	0.4	0.5	0.4	0.4	4.9	2.2	4.0	3.0	8.4	4.5
	C.V. % =	15.9	19.3	-	15.7	13.0	13.0	19.6	6.2	7.0	6.2	16.4	-
	F (Prob)	.000	.063	-	.040	.633	.633	.903	.220	.000	.087	.000	-

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

TABLE NO. 49 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT					ZN 2 MEAN
		DELH	LUDH	LUDH SEED	KARN	KANP	
1	H K H - 1239	3.32	37.80	10.21	6.51	6.56	12.54
2	H K H - 1240	1.07	19.33	-	22.07	-	6.08
3	H K H - 1246	-	19.83	22.73	63.13	-	6.78
4	J H - 11116	48.57	56.20	23.07	49.62	-	35.65
5	J H - 11117	54.21	64.93	5.27	88.81	2.77	43.04
6	J H - 11118	29.85	62.79	12.95	51.00	-	30.71
7	J H - 11119	31.81	45.98	9.59	104.83	18.02	39.39
8	S M H - 1053	38.99	16.32	9.56	89.45	1.10	29.67
9	A H - 47126	-	-	14.80	-	4.09	-
10	A H - 47128	-	-	-	1.85	-	-
CHECKS:							
11	NAVJOT	-	-	-	-	-	-
12	PRO- 311	-	52.37	12.49	25.82	-	14.84

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRO- 311					ZN 2 MEAN
		DELH	LUDH	LUDH SEED	KARN	KANP	
1	H K H - 1239	8.57	-	-	-	9.10	-
2	H K H - 1240	6.21	-	-	-	-	-
3	H K H - 1246	-	-	9.10	29.65	0.97	-
4	J H - 11116	56.12	2.51	9.40	18.91	-	18.12
5	J H - 11117	62.04	8.24	-	50.06	5.22	24.55
6	J H - 11118	36.45	6.84	0.41	20.01	1.64	13.82
7	J H - 11119	38.51	-	-	62.79	20.83	21.37
8	S M H - 1053	46.05	-	-	50.57	3.51	12.91
9	A H - 47126	-	-	2.05	-	6.57	-
10	A H - 47128	-	-	-	-	-	-
CHECKS:							
11	NAVJOT	5.08	-	-	-	2.38	-
12	PRO- 311	-	-	-	-	-	-

TABLE NO. 49 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED			ZN 2 MEAN	DAYS TO 50% SILKING			KARN	KARNP	ZN 2 MEAN
		DELH	LU DH	KARN		DELH	LU DH	LU DH SEED			
1	H H	53.0	53.8	49.5	51.8	55.0	55.8	52.5	56.0	56.3	
2	H K	53.5	55.0	50.5	53.2	56.5	57.8	55.5	58.0	56.6	
3	H K	53.5	56.3	51.5	54.0	57.0	58.5	55.5	58.0	57.4	
4	J H	54.0	56.8	52.0	54.3	57.5	58.0	55.5	58.0	57.9	
5	J H	53.0	54.0	52.0	55.3	55.5	57.3	54.5	55.0	55.2	
6	J H	46.0	50.5	46.5	48.3	49.5	51.8	48.0	48.0	48.2	
7	J H	53.0	54.8	52.5	53.9	55.5	57.8	55.5	58.0	57.1	
8	J S	53.0	54.8	46.0	50.8	55.5	58.3	55.5	58.0	57.5	
9	A H	54.5	54.0	50.0	53.9	56.5	56.3	53.0	62.0	57.2	
10	A H	54.5	54.0	50.0	53.9	56.5	56.3	53.0	62.0	57.2	
CHECKS:											
11	NAVJOT	50.5	51.0	47.0	51.9	52.5	53.5	49.0	59.0	55.3	
12	PRO-311	52.6	53.9	50.2	54.1	55.0	55.9	53.0	60.7	57.8	
MEAN LOCATION											
C.D. AT 5% =		2.1	1.4	1.2	-	2.2	1.5	1.1	2.0	-	
C.V. % =		2.3	1.8	1.1	-	2.4	1.9	1.0	2.0	-	
F (Prob)		.000	.000	.000	-	.000	.000	.000	.000	-	

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK			MOISTURE %			AT HARVEST			PLANT ASP*			EAR ASPECT			ZN 2 MEAN
		LU DH	KARN	KARNP	DELH	LU DH	LU DH	LU DH SEED	ZN 2 MEAN	ZN 2 MEAN	PLANT KARNP	DELH	KARNP	DELH	KARNP		
1	H H	87.8	91.5	93.0	32.8	24.5	23.0	26.8	2.0	2.0	3.5	2.2	2.5	2.8	2.0		
2	H K	89.3	90.5	94.0	36.3	24.0	22.5	28.1	2.0	2.2	2.2	2.2	2.5	2.2	2.2		
3	H K	88.5	93.5	91.0	37.3	24.8	22.0	27.9	2.5	2.2	3.1	2.2	2.5	2.2	2.2		
4	J H	89.0	92.5	94.0	26.4	22.0	23.5	24.7	2.0	2.2	1.8	2.2	2.0	2.2	2.1		
5	J H	86.8	94.0	97.0	31.0	22.5	22.5	26.4	2.0	2.2	1.2	2.2	2.0	2.2	2.2		
6	J H	87.5	91.5	99.0	33.8	22.0	22.5	25.1	2.0	2.2	2.2	2.2	2.0	2.2	2.2		
7	J H	88.8	90.5	97.0	35.0	23.0	22.5	24.3	2.0	2.2	2.2	2.2	2.0	2.2	2.2		
8	J S	88.3	93.5	95.0	30.3	26.0	22.5	28.5	2.0	2.2	2.2	2.2	2.0	2.2	2.2		
9	A H	85.0	90.0	95.0	37.1	21.8	23.0	27.7	2.0	2.2	2.2	2.2	2.0	2.2	2.2		
10	A H	88.5	92.0	95.0	37.1	21.8	23.0	27.7	2.0	2.2	2.2	2.2	2.0	2.2	2.2		
CHECKS:																	
11	NAVJOT	84.8	90.0	92.0	24.8	21.5	22.1	22.8	3.0	3.0	5.5	2.2	2.0	2.5	3.5		
12	PRO-311	87.5	91.0	96.0	32.1	22.0	23.0	26.1	3.0	3.2	2.2	2.2	2.0	2.2	2.4		
MEAN LOCATION																	
C.D. AT 5% =		2.3	1.6	0.6	3.3	0.6	0.7	-	0.7	0.7	1.4	0.4	0.6	0.3	-		
C.V. % =		1.8	0.6	0.4	6.8	1.7	1.9	-	1.9	1.9	1.0	0.4	0.8	0.2	-		
F (Prob)		.003	.000	.000	.000	.000	.001	-	.001	.001	.003	.000	.000	.000	-		

TABLE NO. 49 (CONT.)

SL NO	PEDIGREE	HUSK COV. * KAMP	UNIF. * KAMP	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 2 MEAN
				DELH	LU DH	KARN	DELH	LU DH	KARN	
1	H H	2.0	2.0	165	196	170	179	108	95	89
2	K H	2.0	2.0	180	196	170	192	191	90	78
3	K H	2.0	2.0	165	178	160	173	100	100	82
4	H H	2.5	2.5	205	229	218	196	114	115	96
5	J J	2.0	2.0	190	215	195	183	111	110	98
6	J J	2.0	2.0	180	210	195	181	111	115	96
7	J J	2.0	2.0	160	179	165	170	88	185	75
8	S M H	2.0	2.0	190	180	200	173	84	100	82
9	A H	2.0	2.0	170	183	180	162	90	95	77
10	A H	2.5	3.0	160	183	168	173	95	85	76
CHECKS:										
11	NAVJOT	2.0	2.5	165	199	168	167	108	95	84
12	PRO-311	2.4	2.2	175	215	185	174	101	98	85
	MEAN LOCATION	0.2	0.1	16.1	197	181	177	100	99	-
	C.D. AT 5%	5.1	3.8	5.4	24.0	11.2	8.1	11.3	11.7	-
	C.V. %	0.00	0.00	0.00	8.5	2.00	2.7	9.9	15.4	-
	F (Prob)				0.01	0.00	0.00	8.02	0.01	-

SL NO	PEDIGREE	EAR NO. / PLANT DELH	STAND AT HARVEST			KARN SEED	LU DH SEED	KARN	KAMP	ZN 2 MEAN
			DELH	LU DH	KARN					
1	H H	0.87	35	38	41	29	36	36	36	
2	K H	0.91	32	33	40	28	34	35	34	
3	K H	0.94	26	34	40	28	33	35	33	
4	H H	1.03	29	36	41	33	35	35	35	
5	J J	0.90	30	37	39	31	36	36	35	
6	J J	1.11	32	41	40	29	34	34	35	
7	J J	1.02	30	24	39	26	36	36	31	
8	S M H	0.88	28	32	41	29	34	34	33	
9	A H	0.96	31	32	42	28	34	36	32	
10	A H	0.87	23	38	37	27	36	36	32	
CHECKS:										
11	NAVJOT	1.10	28	35	38	24	35	35	32	
12	PRO-311	1.19	30	41	40	26	34	35	35	
	MEAN LOCATION	-	7.8	4.5	3.0	5.4	3.4	5.7	-	
	C.D. AT 5%	-	15.6	9.0	4.4	8.8	5.7	7.80	-	
	C.V. %	-	1.84	0.00	1.39	1.88	1.88	1.88	-	
	F (Prob)	-							-	

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

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

TABLE NO. 50

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT DELHI (I.A.R.I), LUDHIANA, SEEDTEC LUDHIANA, KARNAL, KANPUR IN ZONAL TRIAL NO. TR202 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 2			
		DELH				LUDH				KARN				KANP		MEAN	R
		R	R	R	R	R	R	R	R	R	R	R	R	R	R		
1	H K H - 1238	3460	9	6074	8	4979	8	5695	6	6621	2	5366	6				
2	H K H - 1241	4039	4	7144	2	5375	1	5894	4	5715	9	5633	4				
3	H K H - 1242	3791	7	6160	6	4715	9	5580	7	6617	3	5373	5				
4	J H - 3956	3564	8	6532	4	4615	11	6344	3	5766	8	5364	7				
5	J H - 31103	4782	1	6362	5	4635	10	7758	1	6112	4	5930	1				
6	J H - 31125	4416	2	7305	1	5245	2	5825	5	5715	10	5701	2				
7	S M H - 23024	4134	3	6772	3	4424	12	6365	2	6665	1	5672	3				
8	A H - 47127	3906	5	5985	9	5033	6	5308	9	5896	6	5226	8				
9	A H - 47130	3857	6	6081	7	5138	3	5003	11	5999	5	5216	9				
10	A H - 47136	2921	12	3887	12	5030	7	4117	12	5342	13	4259	12				
11	A H - 47184	2729	13	3757	13	5042	5	3459	13	5585	11	4114	13				
CHECKS:																	
12	K H - 510	3416	10	5469	11	4012	13	5506	8	5472	12	4775	11				
13	NAVJOT	3084	11	5534	10	5062	4	5166	10	5828	7	4935	10				
	MEAN YIELD=	3700		5928		4870		5540		5949		5197					
	MEAN STAND	31		35		46		30		37		36					
	C.D. AT 5%=	653		935		818		289		600		659					
	C.V. % =	10.49		11.01		9.99		2.39		6.00		-					
	F (Prob)	.000		.000		.086		.000		.000		-					
	PLOT SIZE=	7.50		5.70		7.50		6.00		6.00		-					
AGRONOMY DATA:																	
	SOWING DATE(2005)	9-07		1-07		4-07		28-06		1-07		-					
	HARVEST DATE(2005)	-		10-10		6-10		5-10		5-10		-					
	IRRIGATION NOS	4		7		4		4		-		-					
	FERTILIZER APPLIED N	100		150		120		150		80		-					
	P	80		60		50		60		40		-					
	K	60		30		25		40		40		-					

TABLE NO. 50 (CONT.)

SI NO	PEDIGREE	DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING			ZN 2 MEAN
		DELH	LU DH	KARN	DELH	LU DH	KARN	
1	H H - 1238	55.0	53.8	50.5	57.0	56.5	53.0	57.5
2	H K H - 1241	52.0	52.3	45.0	54.0	53.3	51.5	55.1
3	H H H - 1242	50.0	54.3	47.5	51.0	53.8	49.5	54.3
4	H H H - 3956	49.0	52.0	47.0	51.0	53.0	49.5	55.3
5	J J H - 31103	53.0	52.8	49.5	57.0	55.7	51.5	55.3
6	J J H - 31125	48.0	53.8	48.0	53.0	55.5	51.0	55.4
7	S A H - 23024	51.0	54.0	49.5	53.0	55.3	49.5	55.3
8	S A H - 47130	47.0	53.0	47.0	49.5	54.3	49.5	54.0
9	A H H - 47136	48.0	53.0	48.0	50.0	54.0	50.0	54.0
10	A H H - 47184	57.0	60.3	51.5	54.0	56.0	54.0	58.0
11	A H H - 47184	47.0	54.0	47.5	50.0	56.0	50.0	55.0
	CHECKS:							
12	K H - 510	48.0	52.8	48.5	50.5	54.5	51.0	54.8
13	NAVJOT	52.6	51.7	48.5	52.8	55.5	49.0	55.2
	MEAN LOCATION	2.8	1.5	3.8	3.9	1.8	1.1	0.8
	C.D. AT 5% =	3.3	1.9	3.6	4.4	2.3	1.0	0.8
	C.V. % =	0.00	0.00	1.28	0.02	0.00	0.00	0.00
	F. (Prob)							

SI NO	PEDIGREE	DAYS TO 50% DRY HUSK			MOISTURE % AT HARVEST			PLANT ASP. * KANP
		LU DH	KARN	KANP	LU DH	LU DH SEED	ZN 2 MEAN	
1	H H - 1238	90.5	91.5	86.3	22.5	22.9	27.1	7.2
2	H H H - 1241	89.0	88.5	84.7	21.8	23.7	25.0	2.5
3	H H H - 1242	91.3	90.5	82.3	24.8	23.7	27.6	2.2
4	H H H - 3956	87.8	86.5	82.3	21.8	24.9	25.1	2.5
5	J J H - 31103	87.5	88.5	85.0	21.8	23.8	25.1	2.5
6	J J H - 31125	86.0	87.5	85.0	21.8	23.7	25.3	2.3
7	S A H - 23024	90.8	89.0	84.3	23.5	23.7	25.0	3.3
8	S A H - 47130	88.5	86.5	84.3	21.9	22.9	24.0	2.3
9	A H H - 47136	88.5	89.0	86.7	21.3	22.4	28.0	3.3
10	A H H - 47136	90.3	90.5	86.7	26.3	24.0	28.0	3.3
11	A H H - 47184	88.3	87.0	87.3	21.4	22.3	22.6	3.0
	CHECKS:							
12	K H - 510	85.5	86.5	86.7	22.3	22.8	24.7	3.0
13	NAVJOT	87.3	88.0	86.7	21.9	23.7	22.7	3.0
	MEAN LOCATION	8.2	8.5	8.9	0.5	0.3	0.7	0.9
	C.D. AT 5% =	2.9	1.4	1.1	2.5	1.3	2.4	0.5
	C.V. % =	2.3	0.7	1.1	1.5	2.0	1.5	0.6
	F. (Prob)	0.09	0.00	1.00	1.00	0.01	1.00	1.00

TABLE NO. 50 (CONT.)

SL NO	PEDIGREE	EAR * ASPECT		HUSK COV. * KANP	UNIF. * KANP	PLANT HEIGHT (cm)				ZN 2 MEAN
		DELH	KANP			DELH	LU DH	KARN	KANP	
1	K H - 1238	2	2	5	3	145	186	205	171	177
2	K H - 1241	2	3	5	3	165	186	218	181	180
3	K H - 1242	2	3	5	3	175	173	188	185	180
4	H H - 3956	1	1	2	3	150	170	155	191	185
5	J J - 3112	1	1	2	3	170	190	208	175	188
6	J J - 1125	1	1	2	3	180	192	190	190	188
7	S A H - 4712	2	2	3	2	173	169	188	176	170
8	A H - 4713	2	3	3	2	200	171	205	161	184
9	A H - 47136	2	3	3	3	145	154	175	161	159
10	A H - 47184	2	3	3	3	145	154	175	161	159
11	A H - 47184	2	3	3	3	145	154	175	161	159
12	CHECKS: K H - 510	2	3	3	3	180	184	203	161	182
13	NAVJOT	2	2	2	2	165	175	205	171	179
	MEAN LOCATION	2	2	2	2	166	178	200	175	180
	C.D. AT 5% =	0.4	0.4	0.6	0.5	17.4	18.7	16.9	1.5	-
	C.V. % =	12.1	8.6	8.9	10.2	6.2	7.3	3.9	0.5	-
	F (Prob)	0.001	0.001	0.001	0.000	0.000	0.005	0.005	0.000	M9

SL NO	PEDIGREE	EAR HEIGHT (cm)				ZN 2 MEAN	EAR NO. STAND / PLANT LU DH	AT HARVEST				ZN 2 MEAN
		DELH	LU DH	KARN	KANP			DELH	LU DH	KARN	KANP	
1	K H - 1238	68	101	130	65	91	1	24	38	49	38	35
2	K H - 1241	65	99	100	65	84	1	36	40	44	32	38
3	K H - 1242	73	79	105	65	79	1	66	35	47	31	36
4	H H - 3956	60	84	125	80	85	0	31	38	47	30	38
5	J J - 3110	65	86	110	70	80	0	38	34	47	34	38
6	J J - 1125	68	86	110	69	84	1	35	39	43	27	38
7	S A H - 4712	65	100	103	81	80	1	30	47	48	20	34
8	A H - 4713	80	75	120	55	75	1	17	28	47	30	34
9	A H - 47136	65	76	110	55	76	1	23	28	48	28	36
10	A H - 47184	60	73	93	52	69	0	34	28	45	28	36
11	A H - 47184	60	73	93	52	69	0	34	28	45	28	36
12	CHECKS: K H - 510	63	78	105	50	78	1	35	38	45	38	38
13	NAVJOT	67	81	115	55	78	1	35	38	44	38	36
	MEAN LOCATION	67	83	111	63	81	-	31	35	46	30	36
	C.D. AT 5% =	12.4	15.9	12.4	1.4	-	-	10.7	5.1	6.2	3.5	-
	C.V. % =	11.0	13.3	5.1	1.3	-	-	20.4	10.3	8.0	5.3	-
	F (Prob)	.160	.005	.001	.000	-	-	.037	1.000	.588	.001	-

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

TABLE NO. 51

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT DELHI (I.A.R.I.), LUDHIANA, SEEDTEC LUDHIANA, KARNAL, KANPUR IN ZONAL TRIAL NO. TR203 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 2			
		DELH				LUDH				KARN				KANP		MEAN	R
		R	R	R	R	R	R	R	R	R	R	R	R	R	R		
1	H K H - 1243	4017	8	4138	7	4649	1	6931	8	5698	8	5086	4				
2	J K M - 82	3909	9	3988	9	3256	11	7955	1	6003	5	5022	6				
3	J H - 31106	3904	10	4997	4	3536	10	7248	5	5472	10	5031	5				
4	J H - 31056	4607	2	5008	3	3789	8	7720	3	6536	3	5532	1				
5	J H - 3284	3402	11	3921	10	3634	9	6461	10	6739	2	4832	12				
6	J H - 3978	4263	5	5313	1	4078	3	7252	4	5171	11	5216	3				
7	S M H - 39205	4622	1	5070	2	4041	5	5598	11	5022	12	4871	8				
8	A H - 47125	2613	12	4588	6	4197	2	7098	6	5701	7	4839	11				
9	A H - 47192	4261	6	4125	8	3232	12	6934	7	5704	6	4851	10				
10	A H - 45023	4306	4	3638	12	3842	7	6462	9	6815	1	5012	7				
CHECKS:																	
11	PEHM-3	4473	3	3868	11	3877	6	7797	2	6453	4	5294	2				
12	PRAKASH	4209	7	4817	5	4054	4	5524	12	5663	9	4853	9				
	MEAN YIELD=	4049		4456		3849		6915		5915		5037					
	MEAN STAND	32		35		44		27		37		35					
	C.D. AT 5%=	1259		1430		1106		425		1278		1100					
	C.V. %	18.40		22.35		17.01		2.79		12.79		-					
	F (Prob)	.025		.059		.292		.000		.042		-					
	PLOT SIZE=	7.50		5.46		7.50		6.00		6.00		-					
AGRONOMY DATA:																	
	SOWING DATE(2005)	9-07		3-07		4-07		28-06		1-07		-					
	HARVEST DATE(2005)	-		5-10		6-10		5-10		8-10		-					
	IRRIGATION Nos	4		-		4		4		-		-					
	FERTILIZER APPLIED	100		88		120		150		-		-					
	N	80		40		50		60		-		-					
	P	60		-		25		40		-		-					
	K	-		-		-		-		-		-					

TABLE NO. 51 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PEHM-3					ZN 2 MEAN
		DELH	LUDH	LUDH SEED	KARN	KANP	
1	H K H - 1243	-	6.98	19.91	-	-	-
2	J K M - 82	-	3.10	-	2.03	-	-
3	J H - 31106	-	29.18	-	-	-	-
4	J H - 31056	2.99	29.46	-	-	1.28	4.50
5	J H - 3284	-	1.38	-	-	4.43	-
6	J H - 3978	-	37.37	5.20	-	-	-
7	S M H - 39205	-	31.08	4.24	-	-	-
8	A H - 47125	3.33	18.60	8.26	-	-	-
9	A H - 47192	-	6.63	-	-	-	-
10	A H - 45023	-	-	-	-	5.61	-
CHECKS:							
11	PEHM-3	-	24.54	4.58	-	-	-
12	PRAKASH	-	-	-	-	-	-

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRAKASH					ZN 2 MEAN
		DELH	LUDH	LUDH SEED	KARN	KANP	
1	H K H - 1243	-	-	14.66	25.47	0.62	4.80
2	J K M - 82	-	-	-	44.01	6.00	3.48
3	J H - 31106	-	3.72	-	31.21	-	3.66
4	J H - 31056	9.47	3.95	-	39.75	15.42	13.98
5	J H - 3284	-	-	-	16.96	19.00	-
6	J H - 3978	1.30	10.30	0.59	31.28	-	7.46
7	S M H - 39205	9.83	5.25	-	1.33	-	0.35
8	A H - 47125	-	-	-	28.50	0.67	-
9	A H - 47192	1.25	-	-	25.53	0.73	-
10	A H - 45023	2.30	-	-	16.98	20.35	3.28
CHECKS:							
11	PEHM-3	6.29	-	-	41.14	13.96	9.07
12	PRAKASH	-	-	-	-	-	-

TABLE NO. 51 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				ZN 2 MEAN										
		DELH	LUDH	KARN	KANP	DELH	LUDH	KARN	KANP	DELH	KANP									
1	H K H - 1243	47.0	53.3	49.0	44.0	48.3	51.5	50.0	51.2	51.2	51.2									
2	J K M - 82	51.5	53.5	50.5	51.0	51.6	52.5	55.0	54.5	54.5	54.5									
3	J J H - 31106	48.0	54.3	47.5	49.0	50.2	49.5	55.3	52.3	52.3	52.3									
4	J J H - 31056	49.5	53.5	46.5	47.0	48.4	49.5	51.7	50.9	50.9	50.9									
5	J J H - 3284	47.0	52.3	47.5	48.0	47.1	47.5	52.3	49.5	49.5	49.5									
6	J S M H - 3978	44.0	50.8	45.5	48.0	49.2	49.5	55.3	52.8	52.8	52.8									
7	S M H - 39205	48.0	51.8	46.5	50.7	47.2	49.5	55.3	52.8	52.8	52.8									
8	A H - 47125	46.0	53.3	47.5	54.0	50.2	49.5	59.0	52.9	52.9	52.9									
9	A H - 47192	45.5	53.3	48.5	54.3	50.4	50.5	59.0	52.9	52.9	52.9									
10	A H - 45023	50.0	54.0	49.0	51.0	51.0	51.0	56.0	53.6	53.6	53.6									
CHECKS:																				
11	PEHM-3	45.0	51.0	46.0	44.0	46.5	48.0	49.0	48.8	48.8	48.8									
12	PRAKASH	45.0	51.8	45.0	45.0	46.7	48.0	50.3	49.3	49.3	49.3									
MEAN LOCATION																				
C.D. AT 5% =																				
C.V. % =																				
F (Prob) =																				
S1 NO	PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE %				AT HARVEST				PLANT ASP.*		EAR ASPECT		ZN 2 MEAN		
		LUDH	KARN	KANP	MEAN	DELH	LUDH	DELH	LUDH	LUDH SEED	ZN 2 MEAN	KANP	DELH	KANP	DELH	KANP	DELH	KANP	DELH	KANP
1	H K H - 1243	82.8	81.0	82.3	82.0	24.1	23.0	23.0	23.8	23.7	3.5	2.8	3.2	2.7	3.2	2.4	2.7	2.2	2.3	2.7
2	J K M - 82	83.8	83.5	84.0	83.8	36.3	24.0	24.0	23.3	27.9	3.0	1.7	3.0	3.0	3.0	2.4	2.7	2.2	2.3	2.7
3	J J H - 31106	82.8	81.0	86.0	83.3	30.1	22.3	22.3	23.1	25.2	2.7	1.1	2.7	2.7	2.7	2.2	2.7	2.2	2.3	2.7
4	J J H - 31056	84.5	80.5	82.7	82.4	24.5	32.8	32.8	23.8	26.9	2.5	2.2	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.3
5	J J H - 3284	80.3	80.5	82.3	81.0	25.5	22.8	22.8	23.8	23.9	2.0	2.0	2.0	2.0	2.0	2.2	2.0	2.2	2.0	2.3
6	J S M H - 3978	81.5	79.5	85.0	82.8	27.0	22.3	22.3	23.6	24.5	2.3	2.0	2.3	2.3	2.3	2.2	2.0	2.2	2.3	2.3
7	S M H - 39205	81.8	80.5	86.0	82.8	21.0	22.3	22.3	23.3	22.7	2.3	1.8	2.3	2.3	2.3	2.2	1.8	2.2	2.3	2.3
8	A H - 47125	83.0	82.5	85.0	83.3	27.6	24.1	24.1	22.5	24.7	3.3	2.0	3.3	3.3	3.3	2.2	2.0	2.2	3.0	3.0
9	A H - 47192	83.3	82.5	84.0	83.3	26.9	23.2	23.2	23.5	24.4	3.3	2.2	3.3	3.3	3.3	2.2	2.0	2.2	3.0	3.0
10	A H - 45023	84.3	82.0	85.3	83.9	25.9	23.3	23.3	23.5	24.2	3.0	2.2	3.0	3.0	3.0	2.2	2.0	2.2	3.0	3.0
CHECKS:																				
11	PEHM-3	80.5	81.5	83.0	81.7	23.7	22.3	22.3	23.4	23.1	3.0	2.0	3.0	3.0	3.0	2.6	2.0	2.6	3.0	3.0
12	PRAKASH	83.3	79.9	83.3	81.9	19.9	22.6	22.6	23.6	22.4	2.8	2.0	2.8	2.8	2.8	2.3	2.0	2.3	2.8	2.8
MEAN LOCATION																				
C.D. AT 5% =																				
C.V. % =																				
F (Prob) =																				

TABLE NO. 51 (CONT.)

Sl NO	PEDIGREE	HUSK COV.*		UNIF.*			PLANT HEIGHT (cm)			EAR HEIGHT (cm)			ZN 2	
		KANP	KANP	KANP	DELH	LU DH	KARN	DELH	LU DH	KARN	DELH	LU DH	KARN	KANP
1	H K H - 1243	3.2	3.2	3.2	150	143	198	167	164	55	63	110	60	72
2	J J H - 82	3.2	3.2	3.2	155	154	195	180	171	65	71	90	53	70
3	J J H - 31106	2.8	2.8	2.5	145	174	215	166	175	65	83	115	63	81
4	J J H - 31056	2.8	2.8	2.3	170	179	210	164	181	73	83	98	63	79
5	J J H - 3284	2.3	2.3	2.5	175	173	200	179	182	85	85	110	52	83
6	J J H - 3978	2.8	2.7	2.2	145	155	198	179	169	58	71	105	50	78
7	S A H - 39205	3.3	3.0	3.0	170	156	203	182	178	75	68	115	54	78
8	A H - 47125	3.3	3.3	3.0	205	174	203	173	189	85	81	108	64	85
9	A H - 47192	3.2	3.3	3.3	180	163	225	165	183	63	73	125	60	80
10	A H - 45023	3.0	3.3	3.3	180	161	205	179	181	85	71	115	64	84
CHECKS:														
11	PEHM-3	3.0	3.0	3.0	170	148	200	170	172	75	78	95	55	76
12	PRAKASH	2.7	2.8	2.5	165	156	205	187	178	90	76	125	61	88
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)														
Sl NO	PEDIGREE	EAR NO/PLANT		STAND AT HARVEST			ZN 2							
		DELH	LU DH	DELH	LU DH	KANP	DELH	LU DH	KANP	MEAN				
1	H K H - 1243	0.96	1.00	36	31	35	29	35	35	35				
2	J J H - 82	0.99	1.01	25	32	32	26	37	36	32				
3	J J H - 31106	1.01	0.97	37	35	35	27	36	36	36				
4	J J H - 31056	0.98	0.97	35	40	40	26	37	37	37				
5	J J H - 3284	1.23	0.98	33	37	38	26	37	38	36				
6	J J H - 3978	1.00	0.89	30	39	39	29	37	37	35				
7	S A H - 39205	0.94	0.95	32	38	38	29	38	38	36				
8	A H - 47125	0.94	1.01	18	32	32	23	38	38	31				
9	A H - 47192	1.00	0.92	32	33	33	27	37	37	36				
10	A H - 45023	1.00	0.94	36	37	37	28	37	37	36				
CHECKS:														
11	PEHM-3	1.16	0.98	40	38	38	27	35	35	37				
12	PRAKASH	0.94	0.96	28	34	34	26	36	36	34				
MEAN LOCATION														
C.D. AT 5% =														
C.V. % =														
F (Prob) =														
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)														

TABLE NO. 52

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS AT LU DHIANA, KARNAL, KANPUR IN ZONAL TRIAL NO. TR204 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD % SUPERIORITY OVER THE PEHM-5			ZN 2 MEAN
		LU DH	R	KARN	R	KANP	R	LU DH	KARN	KANP	
1	H K H - 1244	2283	4	3349	7	5323	5	-	-	5.27	
2	H K H - 1245	2061	6	3396	6	5449	4	-	-	7.78	
3	J H - 31055	3916	1	6219	1	6027	1	29.18	14.03	19.21	
4	A H - 47186	1952	7	4056	4	4783	7	-	-	-	
5	A H - 47190	2640	3	3719	5	5589	3	-	-	10.55	
CHECKS:											
6	PEHM-5	3032	2	5454	2	5056	6	-	-	-	
7	HIM-129	2173	5	4092	3	5640	2	-	-	11.56	
	MEAN YIELD=	2580		4327		5410				4105	
	MEAN STAND	36		26		36				32	
	C.D. AT 5%=	900		385		710				665	
	C.V. %	23.65		3.64		7.44				-	
	F (Prob)	.001		.000		.054				-	
	PLOT SIZE=	5.46		6.00		6.00				-	
AGRONOMY DATA:											
	SOWING DATE(2005)	3-07		28-06		1-07				-	
	HARVEST DATE(2005)	5-10		27-09		5-10				-	
	IRRIGATION Nos	-		4		-				-	
	FERTILIZER APPLIED N	88		150		80				-	
	P	40		60		40				-	
	K	-		40		40				-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e.> 30%) : DELH 34.4%

TABLE NO. 52 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HIM-129			DAYS TO 50 % POLLEN SHED		
		LUDH	KARN	KANP	LUDH	KARN	KANP
1	H K H - 1244	5.04	-	-	51.3	46.0	45.0
2	H K H - 1245	-	-	-	51.8	45.5	40.7
3	J H - 31055	80.18	51.98	6.86	53.5	46.5	48.0
4	A H - 47186	-	-	-	53.0	47.5	48.0
5	A H - 47190	21.48	-	0.36	53.0	47.5	46.0
CHECKS:							
6	PEHM-5	39.49	33.28	-	51.0	45.5	44.0
7	HIM-129	-	-	-	46.8	43.0	44.3
MEAN LOCATION							
C.D. AT 5% =							
C.V. % =							
F (Prob) =							

SI NO	PEDIGREE	DAYS TO 50 % SILKING			DAYS TO 50 % DRY HUSK			MOIST. %
		LUDH	KARN	KANP	LUDH	KARN	KANP	
1	H K H - 1244	53	48	50	79.3	78.5	78.0	23.0
2	H K H - 1245	54	49	46	78.5	77.0	74.7	22.1
3	J H - 31055	54	49	52	84.0	82.0	78.0	22.4
4	A H - 47186	54	50	53	83.5	83.5	78.0	33.0
5	A H - 47190	54	50	51	83.5	84.0	80.0	23.3
CHECKS:								
6	PEHM-5	52	48	49	82.0	82.0	80.0	22.8
7	HIM-129	49	45	48	74.8	80.0	74.3	21.7
MEAN LOCATION								
C.D. AT 5% =								
C.V. % =								
F (Prob) =								

TABLE NO. 52 (CONT.)

S1 NO PEDIGREE	PLANT ASP.*		EAR ASP.*		HUSK COV.*		UNIF.*		PLANT HEIGHT (cm)			ZN 2 MEAN		
	KANP	KANP	KANP	KANP	KANP	KANP	KANP	KANP	LUDH	KARN	KANP	LUDH	KARN	KANP
1 H K H - 1244	3.0	2.8	2.8	2.8	2.8	3.0	3.0	3.0	116	160	166	147		
2 H K H - 1245	2.8	3.2	3.2	2.8	2.8	3.0	3.0	3.0	119	165	172	152		
3 J H - 31055	2.8	3.0	3.0	2.5	2.5	3.0	3.0	3.0	155	205	176	179		
4 A H - 47186	3.0	3.2	3.2	3.3	3.3	3.2	3.2	3.2	126	180	166	157		
5 A H - 47190	3.3	3.5	3.5	3.3	3.3	3.5	3.5	3.5	145	180	164	163		
CHECKS:														
6 PEHM-5	3.0	3.0	3.0	3.2	3.2	3.3	3.3	3.3	135	188	168	164		
7 HIM- 129	2.8	2.8	2.8	3.2	3.2	3.0	3.0	3.0	113	170	174	152		
MEAN LOCATION	3.0	3.1	3.1	3.0	3.0	3.1	3.1	3.1	130	178	169	159		
C.D. AT 5% =	0.4	0.3	0.3	0.5	0.5	0.6	0.6	0.6	15.2	12.7	5.2	-		
C.V. % =	7.8	5.8	5.8	9.1	9.1	10.3	10.3	10.3	7.9	2.9	1.7	-		
F (Prob)	.187	.008	.008	.023	.023	.383	.383	.383	.000	.002	.002	-		

S1 NO PEDIGREE	EAR HEIGHT (cm)			ZN 2 MEAN		EAR No. / PLANT		STAND AT HARVEST			ZN 2 MEAN		
	LUDH	KARN	KANP	LUDH	KANP	LUDH	LUDH	LUDH	KARN	KANP	LUDH	KARN	KANP
1 H K H - 1244	55	80	57	64	57	0.93	35	29	36	33			
2 H K H - 1245	46	78	66	63	66	0.96	38	28	35	34			
3 J H - 31055	78	125	68	90	68	0.85	38	30	35	34			
4 A H - 47186	59	105	59	74	59	0.93	30	19	35	28			
5 A H - 47190	68	88	65	73	65	0.99	37	25	36	32			
CHECKS:													
6 PEHM-5	56	103	68	75	68	0.91	36	29	36	33			
7 HIM- 129	49	85	73	69	73	0.92	37	23	36	32			
MEAN LOCATION	59	95	65	73	65	-	36	26	36	32			
C.D. AT 5% =	11.1	13.1	5.0	-	-	-	3.7	3.6	1.6	-			
C.V. % =	12.7	5.6	4.3	-	-	-	7.0	5.6	2.6	-			
F (Prob)	.000	.000	.000	-	-	-	.006	.002	.959	-			

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

TABLE NO. 53

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR, VARANASI, DHOLI, AMBIKAPUR IN ZONAL TRIAL NO. TR301 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE												ZN 3	
		BELI	R	VARA	R	DHOL	R	AMBI	R	R	R	MEAN	R		
1	I A H M - 1	2744	16	2968	15	2468	15	6319	15	2468	15	6319	15	3625	17
2	I A H M - 2	5341	1	2870	16	2413	16	5503	17	2413	16	5503	17	4032	11
3	V E H 311051	3208	12	5330	2	3635	1	7438	3	3635	1	7438	3	4903	4
4	V E H 311054	3148	13	4540	4	2949	9	7417	4	2949	9	7417	4	4513	6
5	B V M 9	3044	14	3486	9	2974	8	6507	13	2974	8	6507	13	4003	14
6	B V M 10	3242	11	3448	11	2666	13	7114	6	2666	13	7114	6	4118	10
7	M H 05 - 10	3847	6	3130	14	3002	7	7302	5	3002	7	7302	5	4320	7
8	M H 05 - 14	4416	3	2791	17	2839	11	5702	16	2839	11	5702	16	3937	16
9	V M H - 9	3643	8	5822	1	3461	4	6998	9	3461	4	6998	9	4981	12
10	U M C - 2	3471	9	3262	13	2270	17	7072	7	2270	17	7072	7	4019	12
11	U M C - 3	3868	5	3811	8	2919	10	6664	11	2919	10	6664	11	4316	8
12	U M C - 4	3646	7	3438	12	2513	14	6319	14	2513	14	6319	14	3979	15
13	S M H - 39225	4513	2	4414	5	3528	2	7542	2	3528	2	7542	2	4999	11
14	S M H - 39235	4178	4	5138	3	3279	6	7030	8	3279	6	7030	8	4906	3
15	S M H - 43054	2996	15	3455	10	3391	5	6925	10	3391	5	6925	10	4192	9
16	R E H - 2	2463	17	4236	6	2725	12	6601	12	2725	12	6601	12	4006	13
17	CHECKS:														
	PRAKASH	3301	10	3855	7	3517	3	7835	1	3517	3	7835	1	4627	5
	MEAN YIELD=	3592		3882		2973		6840		2973		6840		4322	
	MEAN STAND	34		38		38		37		38		37		37	
	C.D. AT 5% =	788		454		1190		964		1190		964		849	
	C.V. % =	13.21		7.05		24.10		8.49		24.10		8.49		-	
	F (Prob)	.000		.000		.064		.002		.064		.002		-	
	PLOT SIZE=	6.00		7.50		7.50		6.00		7.50		6.00		-	
	AGRONOMY DATA:														
	SOWING DATE(2005)	4-07		6-07		15-07		9-07		15-07		9-07		-	
	HARVEST DATE(2005)	16-10		10-10		19-11		-		19-11		-		-	
	IRRIGATION NOS	2		1		-		-		-		-		-	
	FERTILIZER APPLIED	N 120		80		100		80		100		80		80	
		P 60		40		60		50		60		50		50	
		K 60		40		40		30		40		30		30	

TABLE NO. 53 (CONT.)

Sl NO PEDIGREE	EAR No. /PLANT		STAND AT HARVEST				ZN 3 MEAN
	VARA	AMBI	BELI	VARA	DHOL	AMBI	
1 I A H M - 1	1.02	1.05	35	39	42	37	38
2 I A H M - 2	0.96	1.09	38	37	36	38	37
3 V E H 311051	0.95	1.04	35	37	46	40	39
4 V E H 311054	1.00	1.03	38	40	42	38	40
5 B V M 9	0.93	1.09	34	41	39	39	38
6 B V M 10	0.95	1.08	30	37	39	37	36
7 M H 05 -10	0.97	1.02	37	38	31	39	36
8 M H 05 -14	1.03	1.00	37	38	41	37	38
9 V M H - 9	1.03	0.96	37	41	42	42	40
10 U M C - 2	1.04	1.00	32	38	34	36	35
11 U M C - 3	1.00	1.05	36	36	34	39	36
12 U M C - 4	0.97	1.05	26	33	34	35	32
13 S M H - 39225	1.00	1.06	34	37	39	40	37
14 S M H - 39235	0.86	1.08	37	37	38	37	37
15 S M H - 43054	0.97	0.99	33	37	39	30	35
16 R E H -2	0.98	1.06	33	39	42	41	39
CHECKS:							
17 PRAKASH	0.96	1.01	26	37	29	30	30
MEAN LOCATION							
C.D. AT 5%	-	-	34	38	38	37	37
C.V. %	-	-	5.3	3.5	6.5	6.4	5.4
F (Prob)	-	-	9.4	5.5	10.2	10.3	-
	-	-	.000	.027	.000	.037	-

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

TABLE NO. 54
 PERFORMANCE OF EXPERIMENTAL HYBRIDS & COMPOSITES AT BELIPAR GORAKHPUR,
 VARANASI, DHOLI, AMBIKAPUR IN ZONAL TRIAL No. TR302 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																	
		GORA			BELI			VARA			DHOL			AMBI			ZIN 3		
		B	E	L	B	E	L	V	A	R	D	H	O	A	M	B	Z	M	E
1	V E H 312052	2369	7	3704	1	2889	11	5624	10	3646	8								
2	V E H 312053	3605	1	3147	8	3722	4	5930	7	4101	4								
3	V - 37	2419	5	3648	2	2736	12	6358	5	3790	6								
4	M H 05-11	2207	9	2838	10	4837	1	5724	9	3902	5								
5	M H 05-12	1836	12	3266	5	3082	8	6384	4	3642	9								
6	M H 05-13	3350	2	3481	3	3480	6	6652	3	4241	2								
7	U M C -1	1930	11	3323	4	3394	7	6041	6	3672	7								
8	J K M H - 921	2630	3	3169	7	4182	2	7354	1	4334	1								
9	J K M H - 452	2559	4	3224	6	3878	3	6754	2	4104	3								
CHECKS:																			
10	DEVAKI	2320	8	2048	12	3601	5	5558	11	3382	11								
11	SHAKTIMAN - 1	2413	6	2944	9	3015	9	5839	8	3553	10								
12	NANJOT	2169	10	2669	11	3005	10	5028	12	3218	12								
	MEAN YIELD=	2484		3122		3485		6104		3799									
	MEAN STAND	31		37		33		39		35									
	C.D. AT 5%=	608		263		1077		892		710									
	C.V. %	14.49		4.99		18.30		8.65		-									
	F (Prob)	.000		.000		.239		.001		-									
	PLOT SIZE=	6.00		7.50		7.50		7.50		-									
AGRONOMY DATA:																			
	SOWING DATE(2005)	4-07		30-06		15-07		7-07		-									
	HARVEST DATE(2005)	17-10		1-10		10-11		-		-									
	IRRIGATION NOS	2		1		-		-		-									
	FERTILIZER APPLIED N	120		100		100		100		100									
	P	60		60		60		60		60									
	K	40		40		40		40		40									

TABLE NO. 54 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE DEVAKI					ZN 3 MEAN
		GORA BELI	VARA	DHOL	AMBI		
1	V E H 312052	2.11	80.87	-	1.19	7.83	
2	V E H 312053	55.38	53.63	3.35	6.69	21.26	
3	V - 37	4.28	78.12	-	14.40	12.08	
4	M H 05-11	-	38.59	34.33	3.00	15.38	
5	M H 05-12	-	59.48	-	14.87	7.69	
6	M H 05-13	44.42	69.97	-	19.69	25.41	
7	U M C -1	-	62.25	-	8.70	8.58	
8	J K M H - 921	13.37	54.71	16.13	32.32	28.15	
9	J K M H - 452	10.29	57.41	7.69	21.53	21.35	
CHECKS:							
10	DEVAKI	-	-	-	-	-	
11	SHAKTIMAN - 1	3.99	43.72	-	5.07	5.06	
12	NANJOT	-	30.34	-	-	-	

Sl NO	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE SHAKTIMAN - 1					ZN 3 MEAN
		GORA BELI	VARA	DHOL	AMBI		
1	V E H 312052	-	25.84	-	-	2.64	
2	V E H 312053	49.42	6.89	23.42	1.55	15.42	
3	V - 37	0.28	23.93	-	8.88	6.69	
4	M H 05-11	-	-	60.42	-	9.82	
5	M H 05-12	-	10.96	2.19	9.32	2.51	
6	M H 05-13	38.88	18.26	15.42	13.91	19.37	
7	U M C -1	-	12.89	12.54	3.46	3.35	
8	J K M H - 921	9.02	7.64	38.68	25.93	21.98	
9	J K M H - 452	6.05	9.52	28.61	15.67	15.51	
CHECKS:							
10	DEVAKI	-	-	19.42	-	-	
11	SHAKTIMAN - 1	-	-	-	-	-	
12	NANJOT	-	-	-	-	-	

TABLE NO. 54 (CONT.)

S1 NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NANJOT				DAYS TO 50% POLLEN SHED				ZN 3 MEAN	
		GORA BELI	VARA	DHOL	AMBI	ZN 3 MEAN	GORA BELI	VARA	DHOL		AMBI
1	V E H 312052	9.21	38.77	-	11.84	13.31	57.0	50.3	46.3	46.7	49.9
2	V E H 312053	66.18	17.87	23.83	17.93	27.43	56.0	51.0	46.7	45.3	49.8
3	V H 05-11	11.53	36.66	60.96	26.44	17.78	55.3	49.3	46.3	46.7	49.1
4	M H 05-12	-	6.33	15.81	13.84	21.24	57.7	55.0	48.3	46.7	51.9
5	M H 05-13	54.46	22.36	12.92	26.96	13.17	56.7	52.0	48.0	46.3	51.0
6	M H C -1	-	30.41	39.15	20.15	31.79	57.3	50.0	45.3	45.3	49.7
7	U K M H - 921	21.26	24.48	29.05	46.25	14.10	57.3	51.3	48.3	46.7	50.9
8	J K M H - 452	17.96	20.77	19.83	34.33	27.52	58.3	50.7	46.0	46.7	50.4
9	CHECKS:	-	-	-	-	-	-	-	-	-	-
10	DEVAKI	6.96	-	0.34	10.53	5.09	61.7	55.7	48.3	46.3	53.0
11	SHAKTIMAN - 1	11.22	10.27	-	16.13	10.40	57.0	53.0	46.7	45.3	50.5
12	NANJOT	-	-	-	-	-	56.3	49.0	47.3	45.3	49.5
	MEAN LOCATION	-	-	-	-	-	57.3	51.8	47.0	45.9	50.7
	C.D. AT 5% =	-	-	-	-	-	1.0	2.0	2.5	2.0	1.7
	C.V. % =	-	-	-	-	-	1.0	2.0	2.5	2.5	1.7
	F (Prob)	-	-	-	-	-	0.00	0.00	0.39	0.60	-

S1 NO	PEDIGREE	DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK				ZN 3 MEAN	
		GORA BELI	VARA	DHOL	AMBI	ZN 3 MEAN	GORA BELI	VARA	DHOL		AMBI
1	V E H 312052	59.3	59.0	49.3	49.3	54.2	88.3	85.7	77.7	88.3	85.0
2	V E H 312053	58.3	58.3	49.7	49.3	53.2	86.7	86.0	78.3	86.0	84.4
3	V H 05-11	60.0	61.7	51.3	50.3	55.8	90.7	88.0	79.3	87.3	87.3
4	M H 05-12	59.3	59.0	50.7	50.3	54.8	86.7	85.3	84.0	93.0	87.3
5	M H 05-13	58.7	59.7	48.0	49.0	52.3	86.3	85.0	81.0	85.3	81.9
6	M H C -1	59.3	59.7	49.3	49.3	54.4	86.0	86.3	82.0	88.3	85.0
7	U K M H - 921	59.3	57.0	52.0	50.3	54.7	86.7	85.3	80.3	88.3	85.0
8	J K M H - 452	60.3	56.0	49.0	50.0	53.8	84.3	84.7	79.7	89.0	84.4
9	CHECKS:	-	-	-	-	-	-	-	-	-	-
10	DEVAKI	63.7	62.0	51.7	50.7	57.0	89.7	88.3	83.7	91.3	88.3
11	SHAKTIMAN - 1	59.3	59.3	50.0	50.0	54.7	89.7	88.3	80.0	89.3	86.8
12	NANJOT	58.3	55.3	50.3	48.0	53.0	85.7	88.3	81.7	86.3	85.5
	MEAN LOCATION	59.4	57.8	50.0	49.6	54.2	87.4	84.8	80.9	88.5	85.4
	C.D. AT 5% =	1.2	2.1	2.0	1.9	1.8	1.9	2.2	2.6	3.3	2.7
	C.V. % =	1.2	2.2	2.0	1.9	1.8	1.3	1.5	3.6	3.2	2.7
	F (Prob)	0.00	0.00	0.10	0.24	-	0.00	0.00	0.32	0.02	-

TABLE NO. 54 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 3 MEAN
		GORA BELI	VARA	DHOL	AMBI	GORA BELI	VARA	DHOL	AMBI	
1	V E H 312052	117	193	167	247	41.7	67.5	66.0	86.3	65.4
2	V E H 312053	109	230	156	236	46.0	81.0	63.0	81.0	67.8
3	V - H 37	124	233	151	230	42.3	82.5	80.3	93.3	74.6
4	M H 05-11	95	198	185	255	45.0	81.0	80.3	91.3	74.4
5	M H 05-13	108	198	154	229	38.0	80.0	71.0	91.7	70.2
6	M H C -1	127	218	175	227	50.7	82.0	71.0	91.7	73.8
7	U J K M H - 921	129	235	173	239	50.3	93.5	81.7	78.7	76.0
8	J K M H - 452	126	213	160	241	54.7	97.5	73.7	90.3	79.0
9	J K M H - 452	126	213	171	245	47.0	77.0	77.0	88.0	72.3
CHECKS:										
10	DEVAKI	98	178	175	255	45.7	80.0	86.0	103.0	78.7
11	SHAKTIMAN - 1	104	200	167	244	40.3	72.5	73.7	96.3	70.7
12	NANJOT	108	223	159	252	39.7	92.5	74.3	100.0	76.6
MEAN LOCATION										
	C.D. AT 5%	25.6	16.4	27.7	20.2	45.1	82.3	74.8	91.0	73.3
	C.V. %	13.3	4.6	9.7	4.9	13.9	6.4	20.7	9.8	12.7
	F (Prob)	0.90	0.00	3.49	0.75	18.2	4.6	16.3	6.3	-
						3.95	0.00	5.63	0.01	-

Sl NO	PEDIGREE	EAR NO./PLANT				STAND AT HARVEST				ZN 3 MEAN
		GORA BELI	VARA	AMBI	GORA BELI	VARA	DHOL	AMBI		
1	V E H 312052	0.86	1.03	1.13	26	37	42	37	35	35
2	V E H 312053	0.99	0.96	1.11	35	39	39	46	40	40
3	V - H 37	0.96	0.96	1.05	36	37	33	43	37	37
4	M H 05-11	0.96	1.00	0.97	32	38	34	36	32	32
5	M H 05-13	0.87	0.95	1.03	35	36	34	40	36	36
6	M H C -1	0.98	1.00	0.99	32	36	33	39	35	35
7	U J K M H - 921	0.97	0.92	1.02	33	36	29	39	35	35
8	J K M H - 452	0.96	0.97	1.07	33	37	29	41	37	37
9	J K M H - 452	0.94	0.97	1.00	29	37	30	34	33	33
CHECKS:										
10	DEVAKI	0.99	1.01	1.07	30	36	29	35	32	32
11	SHAKTIMAN - 1	0.96	1.02	1.04	25	36	30	42	34	34
12	NANJOT	0.96	0.95	1.04	31	37	33	39	35	35
MEAN LOCATION										
	C.D. AT 5%	-	-	-	4.2	3.7	11.8	6.5	6.6	-
	C.V. %	-	-	-	8.0	6.0	21.3	9.8	-	-
	F (Prob)	-	-	-	0.00	8.46	3.01	0.28	-	-

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

TABLE NO. 55

PERFORMANCE OF FULL SEASON QPM EXPERIMENTAL HYBRIDS AT VARANASI, DHOLI, AMBIKAPUR IN ZONAL TRIAL No. TR303 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE SHAKTIMAN - 2					
		VARA	R	DHOL	R	AMBI	R	MEAN	ZN 3	R	VARA	DHOL	AMBI
1	MH QPM -05-1	2706	10	3313	11	6672	4	4230	8	1.71	-	-	-
2	MH QPM -05-2	2754	7	3780	4	5863	11	4133	9	3.50	1.92	-	-
3	MH QPM -05-3	2730	9	4047	2	6649	6	4475	3	2.60	9.10	-	-
4	MH QPM -05-4	2741	8	4178	1	6658	5	4526	2	3.01	12.63	-	-
5	MH QPM -05-5	2687	11	3778	5	6723	3	4396	5	0.99	1.86	-	-
6	MH QPM -05-6	2829	4	3364	10	7016	2	4403	4	6.32	-	-	-
7	MH QPM -05-7	2817	5	3634	7	5891	10	4114	10	5.88	-	-	-
8	MH QPM -05-8	2973	3	3545	8	6249	9	4256	7	11.74	-	-	-
9	MH QPM -05-9	3167	1	3391	9	6333	8	4297	6	19.02	-	-	-
10	MH QPM -05-10	2506	13	3844	3	4757	12	3702	12	-	3.64	-	-
CHECKS:													
11	SHAKTIMAN - 2	2661	12	3709	6	8043	1	4804	1	-	-	-	-
12	SHAKTIMAN - 4	3160	2	3295	12	4162	13	3539	13	18.76	-	-	-
13	SHAKTIMAN - 1	2755	6	2837	13	6635	7	4076	11	3.56	-	-	-
	MEAN YIELD=	2807		3594		6281		4227					
	MEAN STAND	34		36		40		37					
	C.D. AT 5%	444		1081		932		819					
	C.V. %	9.40		17.88		8.82		-					
	F (Prob)	.002		.010		.000		-					
	PLOT SIZE=	7.50		7.50		7.50		-					
AGRONOMY DATA:													
	SOWING DATE(2005)	15-07		15-07		8-07		-					
	HARVEST DATE(2005)	12-10		13-10		-		-					
	IRRIGATION Nos	1		-		-		-					
	FERTILIZER APPLIED	N 120		100		100		-					
		P 60		60		60		-					
		K 40		40		40		-					

TABLE NO. 55 (CONT.)

Sl NO	PEDIGREE	GRAIN YIELD %		SUPERIORITY OVER THE SHAKTIMAN - 4		SUPERIORITY OVER THE SHAKTIMAN - 1		AMBI	Zn 3 MEAN	Zn 3 MEAN
		SHAKTIMAN - 4 VARA	DHOL	AMBI	Zn 3 MEAN	SHAKTIMAN - 1 VARA	DHOL			
1	MH QPM - 05-1	-	0.53	60.29	19.53	-	16.78	0.56	3.80	3.80
2	MH QPM - 05-2	-	14.72	40.86	16.77	-	33.26	-	1.40	1.40
3	MH QPM - 05-3	-	22.80	59.73	26.44	-	42.65	0.21	9.80	9.80
4	MH QPM - 05-4	-	26.78	59.96	27.87	-	47.26	0.35	11.04	11.04
5	MH QPM - 05-5	-	14.65	61.52	24.21	-	33.18	1.33	7.86	7.86
6	MH QPM - 05-6	-	2.10	48.56	24.41	2.66	18.60	5.74	8.03	8.03
7	MH QPM - 05-7	-	10.27	41.53	16.24	2.25	28.09	-	0.94	0.94
8	MH QPM - 05-8	-	7.58	50.13	20.25	7.90	24.97	-	4.42	4.42
9	MH QPM - 05-9	0.22	2.90	52.14	21.41	14.93	19.53	-	5.43	5.43
10	MH QPM - 05-10	-	16.66	14.29	4.61	-	35.51	-	-	-
CHECKS:										
11	SHAKTIMAN - 2	-	12.56	93.23	35.75	-	30.75	21.23	17.88	17.88
12	SHAKTIMAN - 4	-	-	-	-	14.68	16.16	-	-	-
13	SHAKTIMAN - 1	-	-	59.40	15.16	-	-	-	-	-

Sl NO	PEDIGREE	DAYS TO 50% POLLEN SHED		DAYS TO 50% SILKING		DAYS TO 50% DRY HUSK	
		VARA	DHOL	VARA	DHOL	VARA	DHOL
1	MH QPM - 05-1	53.7	47.3	59.3	50.0	83.0	81.3
2	MH QPM - 05-2	48.7	49.0	53.0	52.0	81.3	84.0
3	MH QPM - 05-3	53.3	49.3	61.0	52.0	83.0	85.0
4	MH QPM - 05-4	52.7	50.3	56.3	52.7	82.7	85.7
5	MH QPM - 05-5	48.3	47.7	53.3	49.7	82.3	85.3
6	MH QPM - 05-6	49.3	49.0	54.0	51.3	80.0	85.7
7	MH QPM - 05-7	47.0	49.3	51.7	52.0	79.3	85.7
8	MH QPM - 05-8	48.7	49.0	52.0	51.3	81.0	84.3
9	MH QPM - 05-9	47.7	46.7	52.7	49.0	80.3	79.0
10	MH QPM - 05-10	47.7	50.3	55.7	53.7	83.3	84.7
CHECKS:							
11	SHAKTIMAN - 2	47.7	49.3	52.3	52.7	79.7	83.0
12	SHAKTIMAN - 4	51.0	51.0	54.3	53.7	82.7	85.3
13	SHAKTIMAN - 1	48.0	48.0	52.3	51.3	80.0	83.0
MEAN LOCATION							
C.D. AT 5% =		1.9	2.3	2.0	2.2	2.4	2.3
C.V. % =		2.3	2.8	2.2	2.5	1.8	1.7
F (Prob)		.000	.031	.000	.003	.010	.000

TABLE NO. 55 (CONT.)

Sl No	PEDIGREE	MOIS. % HARV. VARA			PLANT ASPECT *			EAR ASPECT *			HUSK COV. * AMBI			UNIFORMITY *			Zn 3 MEAN		
		VARA	DHOL	AMBI	DHOL	AMBI	MEAN	DHOL	AMBI	MEAN	DHOL	AMBI	MEAN	DHOL	AMBI	MEAN	DHOL	AMBI	MEAN
1	MH OPM -05-1	33.8	2.8	2.5	2.7	2.7	5.7	2.7	2.7	7.5	2.2	2.2	3.5	2.7	2.7	2.4	2.2	2.2	2.4
2	MH OPM -05-2	34.1	2.7	2.4	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.6	2.7	2.7	2.2	2.2	2.2	2.7
3	MH OPM -05-3	37.3	2.7	2.4	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.6	2.7	2.7	2.2	2.2	2.2	2.7
4	MH OPM -05-4	36.8	2.7	2.7	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.6	2.7	2.7	2.2	2.2	2.2	2.7
5	MH OPM -05-5	35.4	3.0	2.7	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	6.7	2.7	2.7	2.2	2.2	2.2	2.7
6	MH OPM -05-6	33.9	3.0	2.7	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	6.7	2.7	2.7	2.2	2.2	2.2	2.7
7	MH OPM -05-7	37.8	3.3	2.5	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.5	2.7	2.7	2.2	2.2	2.2	2.7
8	MH OPM -05-8	37.6	3.3	2.5	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.5	2.7	2.7	2.2	2.2	2.2	2.7
9	MH OPM -05-9	35.2	3.0	2.3	2.7	2.7	5.7	2.7	2.7	2.4	2.2	2.2	5.4	2.7	2.7	2.2	2.2	2.2	2.7
10	MH OPM -05-10																		
	CHECKS:																		
11	SHAKTIMAN - 2	36.8	3.5	2.8	2.8	2.8	3.8	2.8	2.8	2.4	2.2	2.2	9.6	3.8	3.8	3.0	3.0	3.0	4.9
12	SHAKTIMAN - 4	35.3	3.2	2.7	2.8	2.8	3.8	2.8	2.8	2.4	2.2	2.2	9.6	3.8	3.8	3.0	3.0	3.0	3.2
13	SHAKTIMAN - 1	34.5	2.9	2.6	2.8	2.8	3.8	2.8	2.8	2.4	2.2	2.2	9.6	3.8	3.8	3.0	3.0	3.0	3.2
	MEAN LOCATION	35.0	2.8	2.6	2.8	2.8	3.8	2.8	2.8	2.4	2.2	2.2	9.6	3.8	3.8	3.0	3.0	3.0	3.2
	C.D. AT 5% =	0.7	0.8	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	C.V. % =	1.1	1.1	7.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	F (Prob)	0.00	.493	.028	-	-	-	-	-	.588	.021	.211	-	.308	.027	-	-	-	-

Sl No	PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			EAR NO. / PLANT			STAND AT			HARVEST					
		VARA	DHOL	AMBI	VARA	DHOL	AMBI	VARA	DHOL	AMBI	VARA	DHOL	AMBI	VARA	DHOL	AMBI			
1	MH OPM -05-1	195	181	264	213	213	91	0.92	1.03	32	42	45	40						
2	MH OPM -05-2	208	176	255	213	213	92	0.95	0.97	27	44	38	36						
3	MH OPM -05-3	210	167	264	214	214	92	0.99	0.99	37	35	43	38						
4	MH OPM -05-4	205	175	262	214	214	93	0.95	1.06	32	42	41	37						
5	MH OPM -05-5	200	168	266	211	211	93	0.99	1.09	28	39	43	37						
6	MH OPM -05-6	205	156	265	206	206	80	0.99	1.09	35	34	40	36						
7	MH OPM -05-7	193	159	267	206	206	79	0.90	0.90	31	38	43	37						
8	MH OPM -05-8	225	159	267	211	211	81	0.96	1.07	33	39	45	39						
9	MH OPM -05-9	210	162	262	211	211	81	0.96	1.07	35	39	45	39						
10	MH OPM -05-10	243	180	261	228	228	83	0.99	0.98	37	42	34	34						
	CHECKS:																		
11	SHAKTIMAN - 2	203	159	268	210	210	83	1.00	1.05	37	35	44	39						
12	SHAKTIMAN - 4	218	158	264	217	217	82	1.01	1.12	36	17	30	28						
13	SHAKTIMAN - 1	209	155	268	209	209	78	1.06	1.01	37	27	42	35						
	MEAN LOCATION	209	167	264	213	213	86	1.06	1.01	34	36	40	37						
	C.D. AT 5% =	4.8	16.8	21.4	14.3	14.3	10.1	3.4	3.6	3.7	9.3	5.9	6.3						
	C.V. % =	1.4	6.0	4.8	-	-	-	2.4	2.4	3.7	15.4	8.6	-						
	F (Prob)	0.00	.029	.994	-	-	-	.000	.000	.000	.000	.000	-						

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

TABLE NO. 56

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS AT KARIMNAGAR, ARBHAVI, COIMBATORE, IN ZONAL TRIAL NO. TR401 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE BIO-9681			ZN 4 MEAN		
		KARI	R	ARBH	R	COIM	R	ZN 4 MEAN	R	KARI		ARBH	COIM
1	V M H - 9	8224	20	6703	12	8533	10	7820	11	4.26	-	-	-
2	P H S - 45	10550	3	7951	4	9246	6	9249	3	33.75	-	-	4.41
3	S A M H - 2223	8701	13	6981	10	8646	9	8109	9	10.32	-	-	-
4	K M H - 2202	8496	16	7790	5	7661	15	7982	10	7.71	-	-	-
5	K M H - 22202	8754	12	5967	19	6917	25	7213	21	10.98	-	-	-
6	K M H - 22206	10158	4	7540	6	8741	8	8813	6	28.79	-	-	-
7	KAVERI - 2427	9609	8	6984	9	6615	26	7736	12	21.83	-	-	-
8	VARIETY TUFFAN	9400	10	6560	15	7198	22	7719	14	19.18	-	-	-
9	S M H - 1093	10005	5	6865	11	7786	13	8219	8	26.84	-	-	-
10	M H C H - 8315	10692	2	8328	3	11319	1	10113	2	35.55	-	10.44	14.17
11	M H C H - 6325	12455	1	9370	1	10070	4	10632	1	57.90	11.05	-	20.02
12	TNAU MH 03006	8183	22	7076	7	7738	14	7666	15	3.74	-	-	-
13	TNAU MH 03003	8500	15	6428	17	8029	12	7652	16	7.77	-	-	-
14	N M H -4145	8437	18	6568	14	7636	16	7547	18	6.96	-	-	-
15	PRADHM CAPTAIN	9217	11	6519	16	7447	18	7728	13	16.85	-	-	-
16	VARIETY NAVNEETHA	8198	21	5116	25	7114	23	6809	24	3.93	-	-	-
17	B H - 200501	8280	19	3452	29	6016	29	5916	29	4.97	-	-	-
18	B H - 200502	6450	28	4759	27	7244	21	6151	27	-	-	-	-
19	B H - 200503	8014	23	4965	26	9098	7	7359	20	1.61	-	-	-
20	B H - 200504	5893	29	5487	22	8278	11	6553	26	-	-	-	-

TABLE NO. 56 (CONT.)

SI	NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE						GRAIN YIELD & SUPERIORITY OVER THE BIO-9681			ZN 4 MEAN		
			KARI	R	ARBH	R	COIM	R	ZN 4 MEAN	R	KARI		ARBH	COIM
	21	B H - 200505	9422	9	5821	20	7399	19	7547	17	19.46	-	-	-
	22	B H - 200506	7529	26	6018	18	6446	27	6664	25	-	-	-	-
	23	B H - 200507	9904	6	5502	21	7114	24	7507	19	25.57	-	-	-
	24	B H - 200508	9673	7	6684	13	9685	5	8681	7	22.63	-	-	-
	25	B H - 200509	6823	27	5288	24	6080	28	6064	28	-	-	-	-
	26	B H - 200510	8487	17	4716	28	7261	20	6821	23	7.60	-	-	-
	27	B H - 200511	8609	14	7064	8	10772	2	8815	5	9.14	-	-	5.10
	28	B H-200512	7884	25	5395	23	7583	17	6954	22	-	-	-	-
CHECKS:														
	29	GANGA -11	2348	30	-	-	-	-	2348	30	-	-	-	-
	30	BIO-9681	7888	24	8438	2	10249	3	8858	4	-	-	-	-
		MEAN YIELD=	8559		6211		7797		7523					
		MEAN STAND	35		34		26		32					
		C.D. AT 5%=	2213		1052		808		1358					
		C.V. % =	15.83		10.02		6.13		-					
		F (Prob)	.000		.000		.000		-					
		PLOT SIZE=	6.00		7.50		4.80		-					
AGRONOMY DATA:														
		SOWING DATE(2005)	10-07		14-07		2-07		-					
		HARVEST DATE(2005)	28-10		26-11		24-10		-					
		IRRIGATION Nos	2		4		11		-					
		FERTILIZER APPLIED N	180		150		135		-					
		P	60		75		63		-					
		K	30		38		50		-					

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : HYDE 28.9% : KOLH 20.6%

TABLE NO. 56 (CONT.)

S1 NO	PEDIGREE	DAYS TO 50% POLLEN SHED			DAYS TO 50% SILKING			DAYS TO 50% DRY			
		KARI	ARBH	COIM	ZN 4 MEAN	KARI	ARBH	COIM	HUSK KARI	COIM	ZN 4 MEAN
1	V M H - 9	53.7	64.7	54.3	57.6	57.3	65.3	58.0	95.0	103.0	99.0
2	P H S - 45	54.0	67.7	54.0	58.6	57.7	68.7	57.0	95.3	102.0	98.7
3	S A M H - 2223	51.0	62.3	53.3	55.6	54.0	63.3	57.0	91.7	102.0	96.8
4	K M H - 2202	52.7	62.7	53.3	56.2	56.0	62.3	58.0	94.7	103.0	98.8
5	K M H - 22202	54.7	67.0	53.7	58.4	57.0	68.3	56.7	96.0	101.7	98.8
6	K M H - 22206	55.0	65.0	54.0	58.0	58.0	67.3	57.7	96.0	102.7	99.3
7	K A V E R I - 2427	50.7	62.3	54.0	55.7	53.7	62.7	57.3	93.7	102.3	98.0
8	V A R I E T Y T U F F A N	50.0	63.0	52.0	55.0	53.3	63.7	56.7	92.0	101.7	96.8
9	S M H - 1093	51.0	64.0	54.0	56.3	54.3	65.3	57.3	93.3	102.3	97.8
10	M H C H - 8315	52.7	66.0	53.7	57.4	56.0	67.0	57.7	94.0	102.7	98.3
11	M H C H - 6325	54.7	64.3	53.0	57.3	58.0	65.0	57.0	95.7	102.0	98.8
12	T N A U M H 03006	54.0	64.7	52.7	57.1	56.7	67.3	57.0	95.7	102.0	98.8
13	T N A U M H 03003	54.7	64.0	53.7	57.4	57.7	66.0	58.0	95.0	103.0	99.0
14	N M H - 4145	51.3	62.0	52.3	55.2	53.3	62.7	56.0	94.0	101.0	97.5
15	P R A D H M C A P T A I N	52.7	60.7	51.7	56.1	56.7	63.7	56.7	94.7	101.7	98.2
16	V A R I E T Y N A V N E E T H A	48.7	60.7	51.7	53.7	51.7	60.3	56.3	91.3	100.7	97.5
17	B H - 200501	51.3	57.3	51.7	53.4	54.7	58.3	55.7	91.7	101.7	96.0
18	B H - 200502	49.3	58.7	53.3	53.8	52.3	60.3	56.0	91.7	101.0	96.3
19	B H - 200503	50.7	62.0	52.0	54.9	54.7	63.3	55.7	93.7	100.7	97.2
20	B H - 200504	51.0	62.7	53.3	55.7	54.3	65.3	56.7	92.7	101.7	97.2
21	B H - 200505	49.3	62.3	53.3	55.0	52.0	63.3	57.0	90.7	102.0	96.3
22	B H - 200506	50.7	60.3	51.7	54.2	53.3	64.3	55.3	92.3	100.3	96.3
23	B H - 200507	50.0	61.0	53.7	54.9	52.7	62.7	57.7	93.3	102.7	98.0
24	B H - 200508	54.0	67.3	53.7	58.3	57.3	67.7	57.3	95.0	102.3	98.7
25	B H - 200509	50.0	60.0	52.0	54.0	52.7	60.3	56.0	93.3	101.0	97.2
26	B H - 200510	48.5	61.5	54.0	54.7	51.5	63.0	58.0	92.5	103.0	97.8
27	B H - 200511	50.7	62.7	52.7	55.3	53.7	63.7	56.3	92.7	101.3	97.0
28	B H - 200512	52.0	60.7	51.3	54.7	55.0	61.0	55.7	94.3	100.7	97.5
CHECKS:											
29	G A N G A - 11	53.7	63.0	52.7	53.7	57.3	64.3	56.3	94.3	101.3	94.3
30	B I O - 9681	52.0	62.8	53.1	55.9	54.7	64.0	56.8	92.7	101.3	97.0
MEAN LOCATION											
C.D. AT 5%		2.5	2.3	1.8	2.2	2.8	2.4	1.7	2.8	1.7	2.2
C.V. %		3.0	2.2	2.0	-	3.1	2.3	1.8	1.8	1.0	-
F (Prob)		.000	.000	.013	-	.000	.000	.027	.005	.027	-

TABLE NO. 56 (CONT.)

SI NO	PEDIGREE	MOIST. %			PLANT ASPECT *			EAR ASPECT *			HUSK COVER *			ZN 4	
		ARBH	KARI	ARBH	ARBH	ARBH	KARI	ARBH	KARI	ARBH	KARI	ARBH	ARBH	MEAN	MEAN
1	V M H - 9	25.5	2.3	2.8	2.5	2.3	2.5	2.3	2.3	2.0	2.0	2.0	2.0	2.0	
2	P H S - 45	22.9	2.0	2.0	2.5	2.3	2.8	2.3	2.3	2.0	2.0	2.0	2.0	2.0	
3	S A M H - 2223	25.6	2.7	2.3	2.5	2.7	2.5	1.3	2.5	1.3	1.3	2.0	1.7	1.7	
4	K M H - 2202	20.3	2.3	2.3	2.3	2.3	2.5	1.3	2.5	1.3	2.0	2.0	2.0	2.0	
5	K M H - 22202	23.6	3.3	2.5	2.9	3.3	2.8	2.0	3.3	2.0	3.0	2.0	1.7	1.8	
6	K M H - 22206	24.3	2.7	2.3	2.5	2.7	2.8	2.0	2.8	2.0	1.7	2.5	2.1	2.2	
7	K A V E R I - 2427	22.5	2.0	2.3	2.1	2.0	2.8	2.3	2.8	2.3	2.0	2.0	2.0	2.0	
8	V A R I E T Y T U F F A N	18.5	2.3	2.5	2.4	2.3	2.8	2.3	2.8	2.0	1.3	2.0	2.0	2.0	
9	S M H - 1093	23.9	2.3	2.3	2.3	2.3	2.8	1.3	2.8	2.0	2.0	2.0	2.0	2.0	
10	M H C H - 8315	23.1	2.3	2.3	2.3	2.3	2.8	2.3	2.8	2.0	2.0	2.0	2.0	2.0	
11	M H C H - 6325	19.0	2.3	2.0	2.2	2.3	2.5	2.7	2.5	2.0	2.7	2.0	2.0	2.3	
12	T N A U M H 03006	24.8	2.7	2.0	2.3	2.7	2.5	1.7	2.5	1.3	1.3	2.0	1.7	1.7	
13	T N A U M H 03003	21.5	3.0	2.3	2.6	3.0	2.5	1.7	2.5	2.3	2.3	2.0	2.3	2.3	
14	N M H - 4145	22.4	3.3	2.3	2.8	3.3	3.0	1.7	3.0	2.0	2.0	2.0	2.0	2.3	
15	P R A D H M C A P T A I N	26.3	2.7	2.3	2.5	2.7	2.5	1.7	2.5	1.7	1.7	2.0	1.8	1.8	
16	V A R I E T Y N A V N E E T H A	23.5	2.7	2.3	2.5	2.7	2.5	2.0	2.5	2.0	2.0	2.0	2.0	2.4	
17	B H - 200501	23.8	3.0	2.8	2.9	3.0	3.5	2.7	3.5	2.0	2.0	2.8	2.4	2.4	
18	B H - 200502	18.5	2.7	2.5	2.6	2.7	3.0	2.3	3.0	2.3	1.0	2.5	1.8	1.8	
19	B H - 200503	16.2	2.7	2.5	2.6	2.7	3.0	2.3	3.0	2.3	2.3	2.3	2.3	2.3	
20	B H - 200504	17.2	3.0	2.8	2.9	3.0	3.0	3.0	3.0	3.0	2.0	2.8	2.4	2.4	
21	B H - 200505	16.4	2.3	2.3	2.3	2.3	3.0	2.0	3.0	2.0	1.0	2.0	1.5	1.5	
22	B H - 200506	17.3	2.7	2.3	2.5	2.7	3.0	1.7	3.0	2.3	2.0	2.5	2.4	2.4	
23	B H - 200507	16.5	3.0	2.8	2.9	3.0	3.0	3.0	3.0	2.0	2.0	2.3	2.1	2.1	
24	B H - 200508	20.7	2.0	2.5	2.3	2.0	2.5	3.0	2.5	2.0	2.0	2.0	1.8	1.8	
25	B H - 200509	18.2	3.0	2.8	2.9	3.0	3.0	2.0	3.0	2.0	1.7	2.0	2.0	2.0	
26	B H - 200510	17.6	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.0	3.0	2.5	2.8	2.8	
27	B H - 200511	19.4	2.7	2.5	2.6	2.7	2.5	1.3	2.8	2.0	2.0	2.0	2.0	2.0	
28	B H - 200512	16.4	2.0	2.5	2.3	2.0	2.5	2.0	2.8	2.0	2.0	2.0	2.0	2.0	
CHECKS:															
29	G A N G A - 11	-	2.3	-	2.3	2.3	-	-	-	2.0	2.0	-	2.0	2.0	
30	B I O - 9681	24.8	3.0	2.0	2.5	3.0	2.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0	
MEAN LOCATION		21.1	2.6	2.4	2.5	2.6	2.1	2.1	2.5	2.0	2.0	2.0	2.1	2.1	
C.D. AT 5% =		3.1	1.1	0.3	0.7	1.1	0.8	0.8	-	1.0	1.0	0.2	0.6	0.6	
C.V. %		8.9	25.1	8.9	-	25.1	23.9	23.9	-	31.9	31.9	6.9	-	-	
F (Prob)		.000	.489	.000	-	.489	.001	.001	-	.055	.055	.000	-	-	

TABLE NO. 56 (CONT.)

SL NO	PEDIGREE	UNIFORMITY *		PLANT HEIGHT (cm)		EAR HEIGHT (cm)		STAND AT HARVEST			
		KARI	ARBH	COIM	MEAN	KARI	COIM	KARI	ARBH	COIM	MEAN
1	V M H - 9	2.7	2.5	199	164	181	91	78	33	26	29
2	P H S - 45	1.3	2.3	214	206	210	117	99	40	35	27
3	S A M H - 2223	1.7	2.0	171	171	172	66	78	40	41	28
4	K M H - 2202	2.0	2.0	217	179	198	91	79	39	31	26
5	K M H - 22202	2.0	2.3	215	177	196	90	76	35	34	27
6	K M H - 22206	1.7	2.0	209	192	201	98	95	37	36	29
7	KAVERI - 2427	2.0	2.3	214	173	194	101	74	35	39	26
8	VARIETY TUFFAN	1.7	2.0	213	196	205	82	94	35	43	24
9	S M H - 1093	1.7	2.3	211	192	208	99	92	36	32	24
10	M H C H - 8315	1.7	2.0	228	208	218	72	102	39	34	30
11	M H C H - 6325	2.0	2.0	203	197	200	99	102	38	39	32
12	TNAU MH 03006	2.3	2.0	208	194	201	110	99	34	31	26
13	TNAU MH 03003	2.7	2.0	205	178	192	92	89	33	33	27
14	N M H - 4145	2.7	2.5	176	167	171	88	77	32	37	27
15	PRADHM CAPTAIN	2.3	2.0	175	172	173	77	86	37	31	25
16	VARIETY NAVNEETHA	2.0	2.3	191	172	181	80	77	35	33	27
17	B H - 200501	1.7	2.3	162	129	145	74	61	31	23	30
18	B H - 200502	1.3	2.0	157	134	145	72	65	36	31	27
19	B H - 200503	2.0	2.0	213	170	192	96	80	36	39	27
20	B H - 200504	2.7	2.8	172	182	177	74	85	37	34	26
21	B H - 200505	1.0	2.0	167	162	165	69	71	36	36	27
22	B H - 200506	2.0	2.0	207	170	189	93	82	38	27	26
23	B H - 200507	2.7	2.3	176	169	173	89	80	37	42	31
24	B H - 200508	1.3	2.3	222	191	207	96	94	35	35	27
25	B H - 200509	3.0	2.3	204	192	198	77	82	34	40	26
26	B H - 200510	1.5	2.0	205	183	194	95	82	35	37	28
27	B H - 200511	2.3	2.0	213	202	208	99	87	32	41	30
28	B H-200512	2.3	2.5	211	206	209	100	95	35	38	26
CHECKS:											
29	GANGA -11	1.3	-	175	-	175	79	-	1	-	1
30	BIO-9681	2.7	2.0	171	178	175	88	81	34	39	30
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)											

TABLE NO. 57
 PERFORMANCE OF MEDIUM AND EARLY MATURING EXPERIMENTAL HYBRIDS &
 COMPOSITES AT HYDERABAD KARIMNAGAR ARBHAVI, COIMBATORE, IN
 ZONAL TRIAL NO. TR402 DURING KHARIF (2005).

Sl NO	PEDIGREE	EX (RESS)	GRAIN YIELD (kg/ha) AT 15% MOISTURE										Zn 4 MEAN	R				
			HYDE	R	KARI	R	ARBH	R	COIM	R	COIM	R						
1	PRADHM	5	68	53	55	58	22	27	17	53	23	47	4	74	29	23	54	29
2	V	18	88	17	30	27	22	17	22	22	22	22	22	18	33	22	27	22
3	M	37	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
4	M	20	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
5	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
6	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
7	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
8	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
9	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
10	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
11	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
12	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
13	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
14	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
15	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
16	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
17	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
18	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
19	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
20	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
21	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
22	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
23	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
24	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
25	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
26	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
27	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
28	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
29	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
30	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
31	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
32	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22
33	M	22	66	30	29	29	22	22	22	22	22	22	22	18	33	22	27	22

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : KOLH 32.3*

TABLE NO. 57 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD		SUPERIORITY		OVER		COIM	THE	ZN 4 MEAN
		X 3342 HYDE	KARI	ARBH	COIM	ZN 4 MEAN	KH 510 HYDE			
1	PRADHM EX[RESS	-	9.97	9.17	-	-	-	-	-	-
2	V M H - 5	-	21.02	1.90	-	-	7.77	-	-	-
3	V M H - 18	-	4.90	14.51	-	-	-	-	-	-
4	S M H - 3758	-	21.61	10.38	-	-	-	-	-	-
5	P M H - 123	-	14.98	43.59	-	-	8.30	-	-	-
6	K M H - 2203	-	35.89	23.25	-	-	2.40	5.67	1.71	-
7	K M H - 22207	-	12.18	29.78	16.28	10.90	21.02	-	29.25	-
8	KAVERI 1287	-	-	11.42	-	-	-	-	-	-
9	KAVERI 1660	-	14.93	14.60	-	-	2.35	-	-	-
10	S M H - 24675	-	69.03	19.98	-	13.74	50.53	-	4.68	0.49
11	VARIETY KRANTHI	-	18.86	-	-	-	5.85	-	-	-
12	PRADHM X-62	-	39.34	12.38	-	6.82	24.09	-	4.87	-
13	KAVERI 2502	4.15	11.10	27.41	9.49	12.21	-	-	21.71	-
14	B H - 200513	-	20.53	2.39	1.37	1.68	7.34	-	12.69	-
15	B H - 200514	-	32.66	28.71	-	3.81	18.14	-	-	-
16	B H - 200515	2.45	24.30	5.46	3.90	7.79	10.70	-	15.50	-
17	B H - 20016	-	59.60	-	-	-	42.13	-	0.72	-
18	J K M H - 502	23.05	41.47	22.92	20.36	25.79	25.99	-	33.79	11.14
19	J K M H - 921	1.94	14.93	31.13	-	8.60	2.35	-	4.95	-
20	J K M H - 82	-	28.08	22.17	-	-	14.06	-	-	-
21	J K M H - 84	14.71	28.18	29.96	16.11	21.09	14.16	-	29.07	6.99
22	D M H - 888	15.24	3.88	23.53	-	7.03	-	-	-	-
23	J K M H - 452	11.45	14.87	20.75	1.54	7.66	2.30	-	12.87	-
24	D M H - 849	-	16.60	15.75	-	9.20	3.84	-	8.38	-
25	G K - 3014	-	14.87	34.96	-	-	2.30	-	-	-
26	G K - 3101	3.21	19.29	21.87	-	4.33	6.24	-	-	-
27	G K - 3031	5.53	10.94	37.97	-	7.05	-	1.54	-	-
28	G K - 3017	3.58	23.17	21.27	-	3.57	9.69	-	-	-
CHECKS:										
29	X 3342	-	-	-	-	-	-	-	-	-
30	KH 510	20.80	12.29	35.87	-	13.18	-	-	11.16	-

TABLE NO. 57 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING				ZN 4 MEAN
		HYDE	KARI	ARBH	COIM	HYDE	KARI	ARBH	COIM	
1	PRADHM EXPRESS	51.3	49.3	58.3	49.0	53.7	52.7	60.0	52.7	54.8
2	V M H - 5	51.3	54.0	59.7	48.3	54.0	56.7	60.7	52.0	55.8
3	V M H - 18	53.7	49.7	61.7	47.7	56.3	53.3	62.0	52.3	56.0
4	S M H - 3758	53.7	51.7	61.3	48.7	56.3	54.3	62.3	52.3	56.3
5	P M H - 123	50.7	49.3	60.3	48.0	52.7	52.3	60.7	51.7	54.3
6	K M H - 2203	53.7	54.3	62.7	50.7	56.0	56.0	63.7	55.3	57.8
7	K M H - 22207	52.7	54.0	64.0	52.3	55.0	56.3	65.3	56.7	58.3
8	KAVERI 1287	51.7	51.0	61.7	51.7	56.0	54.3	60.0	55.7	56.5
9	KAVERI 1660	51.7	51.3	61.7	50.0	54.0	54.3	62.3	54.0	56.2
10	S M H - 24675	55.3	49.7	56.7	49.0	57.7	52.0	58.0	52.7	55.1
11	VARIETY KRANTHI	53.3	50.3	58.7	49.0	55.7	53.7	61.0	52.7	55.8
12	PRADHM X-62	52.0	49.0	58.3	48.7	54.3	52.0	60.0	52.3	54.7
13	KAVERI 2502	55.0	53.0	61.0	48.7	57.3	56.0	62.0	52.0	56.8
14	B H - 200513	53.3	50.7	59.3	50.0	56.0	54.0	61.3	53.0	56.1
15	B H - 200514	57.0	51.7	61.3	49.3	60.0	54.7	62.3	53.7	57.7
16	B H - 200515	56.0	53.0	63.3	50.0	59.0	56.0	64.7	54.0	58.4
17	B H - 20016	55.3	49.3	58.7	50.3	58.0	53.3	62.3	54.0	56.9
18	J K M H - 502	55.0	53.5	65.0	51.5	58.0	56.0	66.0	55.0	58.8
19	J K M H - 921	53.7	50.3	59.7	49.0	56.0	53.3	60.7	52.7	55.7
20	J K M H - 82	56.3	51.0	60.0	47.7	59.3	53.7	60.0	51.7	56.2
21	J K M H - 84	57.7	52.7	61.0	49.7	60.7	55.7	61.7	53.3	57.8
22	J K M H - 888	53.7	52.3	62.0	49.7	56.0	54.7	63.0	53.7	56.8
23	J K M H - 452	55.7	49.7	58.3	49.0	58.3	52.7	61.0	53.0	56.3
24	D M H - 849	55.7	50.3	58.7	49.7	58.3	53.3	60.7	53.7	56.5
25	G K - 3014	58.0	53.0	61.7	49.0	61.0	55.0	63.3	53.3	58.2
26	G K - 3101	53.3	50.0	58.7	48.7	55.7	53.3	60.0	52.3	55.3
27	G K - 3031	54.0	53.0	62.7	48.3	56.3	55.3	64.0	51.7	56.8
28	G K - 3017	56.7	53.0	60.7	49.3	59.7	55.3	61.7	53.0	57.4
CHECKS:										
29	X 3342	53.3	49.0	58.7	47.3	55.7	52.3	59.3	52.0	54.8
30	KH 510	54.3	48.7	60.3	48.3	57.0	52.3	61.0	51.3	55.4
MEAN LOCATION										
C.D. AT 5%		4.2	2.4	2.1	1.5	4.7	2.1	2.3	1.3	2.6
C.V. %		4.7	2.8	2.1	1.9	5.0	2.4	2.2	1.5	-
F (Prob)		.050	.000	.000	.000	.050	.000	.000	.000	-

TABLE NO. 57 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% DRY HUSK				MOISTURE % AT HARVEST				PLANT ASPECT *				ZN 4 MEAN
		HYDE	KARI	COIM	ZN 4 MEAN	HYDE	ARBH	ARBH	ZN 4 MEAN	HYDE	KARI	ARBH	COIM	
1	PRADHM EX [RESS	93.3	81.3	95.7	90.1	22.0	18.3	20.1	2.2	3.0	2.5	2.0	2.4	
2	V M H - 5	94.0	84.0	95.0	91.0	20.8	16.7	18.8	2.3	3.0	2.3	3.0	2.6	
3	V M H - 18	93.3	80.7	95.3	89.8	23.0	18.0	20.5	2.3	3.0	2.0	2.0	2.3	
4	S M H - 3758	94.0	82.0	95.3	90.4	23.0	20.8	21.9	2.5	3.0	2.5	2.0	2.5	
5	P M H - 123	92.0	81.7	94.7	89.4	23.7	17.9	20.8	2.0	2.7	2.2	2.0	2.7	
6	K M H - 2203	93.3	85.0	98.3	92.2	22.6	23.8	23.2	2.3	3.0	2.5	3.0	2.4	
7	K M H - 22207	94.7	86.7	99.7	93.7	23.0	21.6	22.3	2.3	3.3	2.0	2.0	2.6	
8	KAVERI 1287	94.3	83.7	98.7	92.2	21.6	18.1	19.9	2.3	3.0	2.3	3.0	2.8	
9	KAVERI 1660	92.7	82.0	97.0	90.6	23.5	18.3	20.9	2.3	3.3	2.5	3.0	2.5	
10	S M H - 24675	93.0	81.7	95.7	90.1	24.3	21.6	22.9	2.5	3.0	2.0	2.3	2.6	
11	VARIETY KRANTHI	94.0	82.0	95.7	90.6	21.3	16.4	19.0	2.3	3.0	2.5	2.0	2.5	
12	PRADHM X-62	94.3	81.0	95.3	90.2	21.3	17.2	19.3	2.0	2.3	2.0	2.0	2.0	
13	KAVERI 2502	93.7	85.0	95.0	91.2	24.2	19.5	21.9	2.2	2.7	2.0	2.0	2.7	
14	B H - 200513	92.7	82.0	96.0	90.2	21.9	18.1	20.0	2.5	2.7	2.8	3.0	2.7	
15	B H - 200514	93.3	83.7	96.3	91.1	22.1	17.5	19.8	2.5	2.7	2.5	3.0	2.7	
16	B H - 200515	93.3	85.0	97.3	91.9	24.0	20.9	22.4	2.5	2.3	2.8	3.0	2.6	
17	B H K M H - 502	93.0	84.0	98.0	89.8	24.0	20.1	22.4	2.0	2.7	2.5	2.0	2.3	
18	J K M H - 921	91.7	82.3	95.7	89.9	23.9	21.6	22.8	2.3	3.0	2.0	3.0	2.1	
19	J K M H - 82	93.0	82.7	94.7	90.1	24.0	20.4	22.2	2.3	3.0	2.0	3.0	2.6	
20	J K M H - 84	94.7	84.3	96.3	91.8	23.1	20.9	22.0	2.5	3.3	2.5	3.0	2.8	
21	J K M H - 888	93.3	85.0	96.7	91.7	24.4	20.7	22.5	2.5	3.0	2.0	3.0	2.4	
22	J K M H - 452	93.0	80.7	96.0	89.9	21.9	20.5	21.2	2.0	3.7	2.3	2.0	2.5	
23	D G K - 849	94.0	81.0	96.7	90.6	21.7	18.1	19.9	2.2	3.7	2.3	2.0	2.3	
24	D G K - 3014	94.7	82.7	96.0	91.1	21.0	19.9	20.5	2.2	3.3	2.5	3.0	2.7	
25	G K - 3101	94.7	82.3	95.3	90.8	23.0	17.9	20.4	2.5	3.3	2.5	3.0	2.8	
26	G K - 3031	94.0	84.7	94.7	91.1	19.0	17.1	18.1	2.5	2.7	2.5	2.0	2.4	
27	G K - 3017	94.7	83.7	96.0	91.4	26.1	18.4	22.3	2.5	3.3	2.5	3.0	2.4	
28	G K - 3017	94.7	83.7	96.0	91.4	26.1	18.4	22.3	2.5	3.3	2.5	3.0	2.4	
29	X 3342	95.0	81.0	95.0	90.3	21.6	20.7	21.1	2.5	2.7	2.3	2.0	2.4	
30	KH 510	93.3	80.7	94.3	89.4	21.8	20.1	21.0	2.3	2.7	2.0	2.0	2.3	
	MEAN LOCATION	93.6	82.7	96.1	90.8	22.7	19.3	21.0	2.3	2.9	2.4	2.4	2.5	
	C.D. AT 5%	2.3	3.0	1.3	2.2	1.8	2.5	2.1	0.5	1.0	0.3	0.2	0.5	
	C.V. %	1.5	2.2	0.8	-	4.9	7.8	-	13.0	20.8	6.9	4.3	-	
	F (Prob)	.351	.001	.000	-	.000	.000	-	.470	.173	.000	.000	-	

CHECKS:

TABLE NO. 57 (CONT.)

Sl NO	PEDIGREE	EAR ASPECT *					HUSK COVER *					ZN 4 MEAN
		HYDE	KARI	ARBH	COIM	ZN 4 MEAN	HYDE	KARI	ARBH	COIM	ZN 4 MEAN	
1	PRADHM EX (RESS)	2.5	2.0	2.8	3.0	2.6	2.5	2.0	2.5	3.0	2.5	
2	V M H - 5	2.7	2.3	3.3	3.0	2.8	2.5	2.3	2.8	3.0	2.6	
3	V M H - 18	2.5	1.3	2.5	3.0	2.3	2.7	2.0	2.3	3.0	2.3	
4	S M H - 3758	2.8	2.3	2.8	3.0	2.7	2.3	2.3	2.3	4.0	2.6	
5	P M H - 123	2.5	1.7	2.5	3.0	2.4	2.5	2.0	2.0	3.0	2.4	
6	K M H - 2203	2.5	1.7	2.8	3.0	2.5	2.5	2.3	2.3	3.0	2.5	
7	K M H - 22207	2.7	2.3	2.8	3.0	2.4	2.3	2.0	2.0	2.0	2.1	
8	KAVERI 1287	2.7	2.0	3.0	3.0	2.7	2.0	2.0	2.0	3.0	2.3	
9	KAVERI 1660	2.8	2.7	2.8	3.0	2.8	2.3	1.7	2.3	3.0	2.3	
10	S M H - 24675	2.5	1.3	2.5	2.7	2.3	2.3	1.7	2.0	4.0	2.5	
11	VARIETY KRANTHI	2.5	2.0	3.5	2.7	2.7	2.5	1.7	2.3	3.0	2.4	
12	PRADHM X-62	3.0	1.3	2.8	2.0	2.3	2.7	2.0	2.0	3.0	2.4	
13	KAVERI 2502	2.3	2.3	2.5	2.0	2.3	2.5	1.7	2.0	2.0	2.0	
14	B H - 200513	2.7	1.7	3.3	3.0	2.4	2.3	2.0	2.8	4.0	2.8	
15	B H - 200514	2.8	1.3	3.0	3.0	2.7	2.0	2.3	2.5	4.0	2.7	
16	B H - 200515	2.8	2.0	3.0	3.0	2.4	2.0	2.0	2.3	3.0	2.3	
17	B H - 20016	2.7	1.3	3.3	3.0	2.6	2.3	1.7	2.3	3.0	2.3	
18	J K M H - 502	2.0	1.5	2.5	2.0	2.0	2.3	1.5	2.0	2.0	1.9	
19	J K M H - 921	2.8	1.3	2.8	3.0	2.5	2.5	2.0	2.3	3.0	2.4	
20	J K M H - 82	2.7	1.7	3.0	3.0	2.6	2.3	2.3	3.0	3.0	2.7	
21	J K M H - 84	2.0	1.3	2.8	2.0	2.0	2.2	1.7	2.0	3.0	2.0	
22	D M H - 888	2.5	2.3	2.8	3.0	2.6	2.3	2.0	2.0	2.3	2.4	
23	J K M H - 452	2.8	1.7	3.3	3.0	2.7	2.7	1.7	2.0	3.0	2.3	
24	D M H - 849	2.7	1.7	2.8	3.0	2.5	2.3	1.7	2.0	3.0	2.6	
25	G K - 3014	2.7	2.0	3.0	3.0	2.7	2.7	2.3	2.5	3.0	2.4	
26	G K - 3101	2.5	1.7	3.0	3.0	2.5	2.2	2.3	2.3	3.0	2.4	
27	G K - 3031	2.7	2.0	2.8	3.0	2.6	2.2	2.0	2.5	4.0	2.7	
28	G K - 3017	2.3	2.0	2.8	3.0	2.5	2.3	1.7	2.0	3.0	2.3	
CHECKS:												
29	X 3342	2.7	1.7	3.3	2.7	2.6	2.3	2.0	2.0	3.0	2.3	
30	KH 510	2.3	1.7	3.3	2.7	2.5	2.0	1.7	2.0	3.0	2.2	
MEAN LOCATION												
C.D. AT 5% =												
C.V. % =												
F (Prob) =												
		10.6	28.2	7.7	7.6	-	11.0	26.4	8.6	5.0	-	
		.008	.046	.000	.000	-	.031	.678	.000	.000	-	

TABLE NO. 57 (CONT.)

Sl NO	PEDIGREE	UNIFORMITY *				PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 4				
		HYDE	KARI	ARBH	COIM	ZN 4 MEAN	HYDE	KARI	COIM	ZN 4 MEAN	HYDE	KARI	COIM	ZN 4 MEAN	HYDE	KARI	COIM	ZN 4 MEAN
1	PRADHM EX [RESS	2.3	3.0	2.5	2.0	2.5	208	147	166	173	95	57	66	73				
2	V M H - 5	2.3	3.3	2.8	3.0	2.9	200	167	165	177	78	48	74	66				
3	V M H - 18	2.3	2.3	2.0	3.0	2.4	200	157	179	179	98	58	85	80				
4	S M H - 3758	2.3	2.3	2.3	2.0	2.2	223	179	184	195	118	60	90	89				
5	P M H - 123	2.3	3.0	2.0	3.0	2.6	198	169	182	183	103	57	75	78				
6	K M H - 2203	2.2	3.0	2.0	3.0	2.5	220	198	186	201	113	74	90	92				
7	K M H - 22207	2.2	3.7	2.0	2.0	2.5	238	164	182	195	130	66	88	95				
8	KAVERI 1287	2.3	3.0	2.0	3.0	2.6	198	137	162	166	100	47	73	73				
9	KAVERI 1660	2.0	2.7	2.5	2.7	2.5	203	162	174	180	108	51	83	80				
10	S M H - 24675	2.3	3.0	2.0	3.0	2.6	178	161	174	171	90	50	82	74				
11	VARIETY KRANTHI	2.5	2.7	2.5	2.0	2.4	205	155	164	178	128	49	66	81				
12	PRADHM X-62	2.5	2.0	2.0	3.0	2.4	205	160	169	178	105	51	69	75				
13	KAVERI 2502	2.0	1.7	2.0	2.0	1.9	193	137	165	165	105	44	83	77				
14	B H - 200513	2.2	3.0	2.0	3.0	2.5	193	155	164	170	95	60	77	77				
15	B H - 200514	2.2	2.7	2.3	3.0	2.5	180	168	174	174	85	54	77	72				
16	B H - 200515	2.2	2.0	2.3	2.0	2.1	198	171	195	188	108	64	93	88				
17	B H M H - 502	2.2	2.0	2.3	2.0	2.1	213	151	158	174	115	56	75	82				
18	J K M H - 921	2.0	2.0	2.0	3.0	2.3	178	167	171	184	120	56	70	72				
19	J K M H - 82	2.2	2.7	2.0	3.0	2.5	193	149	157	172	88	48	80	82				
20	J K M H - 84	2.2	3.0	3.0	3.0	2.8	190	137	154	166	105	46	63	65				
21	J K M H - 88	2.2	2.7	2.0	2.0	2.2	215	178	186	161	105	55	72	77				
22	D M H - 888	2.3	3.3	2.0	3.0	2.7	200	142	172	193	113	62	84	86				
23	J K M H - 452	2.7	2.0	2.0	3.0	2.3	210	161	164	174	108	46	82	78				
24	G K - 849	2.2	3.0	2.5	3.0	2.4	203	140	163	169	105	50	74	76				
25	G K - 3014	2.2	3.0	2.3	3.0	2.6	180	123	147	150	80	49	60	63				
26	G K - 3101	2.3	3.0	2.3	3.0	2.4	205	152	167	175	110	61	76	82				
27	G K - 3031	2.5	2.0	2.3	3.0	2.4	183	140	144	156	95	51	61	69				
28	G K - 3017	2.3	2.0	2.3	3.0	2.4	195	135	142	157	98	47	70	72				
29	X 3342	2.3	2.7	2.0	3.0	2.4	203	193	161	186	105	57	77	80				
30	KH 510	2.3	2.6	2.2	2.7	2.4	201	157	168	175	103	54	76	78				
	MEAN LOCATION	0.4	1.5	0.3	0.2	0.6	18.0	14.4	8.1	13.5	17.1	9.5	6.8	11.1	-	-	-	-
	C.D. AT 5% =	11.8	36.0	9.5	3.9	-	5.5	5.6	2.9	-	10.2	10.7	5.4	-	-	-	-	-
	C.V. %	.481	.610	.000	.000	-	.000	.000	.000	-	.000	.000	.000	-	-	-	-	-
	F (Prob)																	

CHECKS:

TABLE NO. 57 (CONT.)

Sl NO	PEDIGREE	EAR No./PLANT				STAND AT HARVEST				ZN 4 MEAN
		HYDE	KARI	COIM	HYDE	KARI	ARBH	COIM		
1	PRADHM EX[RESS	1.05	0.93	1.00	35	20	37	29	30	
2	V M H - 5	1.01	0.93	1.04	33	20	37	26	29	
3	V M H - 18	1.04	0.88	0.98	36	17	44	27	31	
4	S M H - 3758	1.07	0.95	1.04	40	21	45	27	33	
5	P M H - 123	1.04	0.97	1.01	26	21	35	27	27	
6	K M H - 2203	1.05	0.97	0.98	40	19	37	26	31	
7	K M H - 22207	1.04	0.99	0.95	37	20	42	28	32	
8	KAVERI 1287	1.04	0.89	1.00	39	20	41	28	32	
9	KAVERI 1660	1.04	0.96	1.01	31	19	38	25	28	
10	S M H - 24675	1.09	1.07	1.02	36	19	42	27	31	
11	VARIETY KRANTHI	1.04	0.94	1.03	34	21	39	26	30	
12	PRADHM X-62	1.07	0.93	1.05	29	22	35	26	28	
13	KAVERI 2502	1.05	1.01	0.96	39	20	35	26	30	
14	B H - 200513	1.04	0.91	0.99	33	21	42	28	31	
15	B H - 200514	1.04	1.01	1.00	40	21	39	25	31	
16	B H - 200515	1.04	0.91	1.00	36	19	40	25	30	
17	B H - 20016	1.05	0.96	1.02	36	18	39	27	30	
18	J K M H - 502	1.06	0.95	0.92	38	20	45	29	33	
19	J K M H - 921	1.03	0.95	0.98	36	19	38	27	30	
20	J K M H - 82	1.05	1.06	1.06	30	17	7	10	16	
21	J K M H - 84	1.04	0.96	0.95	38	19	39	29	31	
22	J K M H - 888	1.03	0.91	0.96	33	19	32	26	28	
23	J K M H - 452	1.04	0.92	0.94	30	18	39	27	29	
24	D M H - 849	1.05	0.92	0.92	31	20	31	26	27	
25	G K - 3014	1.05	0.98	1.01	23	18	16	14	18	
26	G K - 3101	1.03	0.99	0.90	24	18	22	25	22	
27	G K - 3031	1.07	1.02	0.98	28	16	18	25	22	
28	G K - 3017	1.04	0.95	1.03	22	18	17	24	20	
CHECKS:										
29	X 3342	1.07	0.90	0.95	35	19	40	27	30	
30	KH 510	1.04	0.89	0.98	35	22	40	27	31	
MEAN LOCATION										
C.D. AT 5% =										
C.V. % =										
F (Prob) =										
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)										

TABLE NO. 58

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT
 UDAIPUR, GODHRA, KHEDBRAMHA, CHHINDIWARA IN ZONAL TRIAL NO. TR502
 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE										ZIN 5	
		UDAI	R	GODH	R	KHED	R	CHHI	R	MEAN	R		
1	C H H - 229	3391	13	2589	17	3194	6	8178	10	4338	12	4338	12
2	C H H - 230	3219	16	3675	5	2628	14	8340	9	4465	10	4465	10
3	W H H - 6	4947	6	3619	7	2882	8	8533	7	4995	7	4995	7
4	EXPRESS	6413	1	3273	10	3541	3	9296	6	5631	4	5631	4
5	S M H - 24665	5465	4	4483	2	3699	2	10271	3	5979	1	5979	1
6	J K M H - 94	3139	18	4762	1	3482	4	9368	5	5887	3	5887	3
7	N M H - 1353	4948	5	3642	6	3253	5	8526	8	5303	5	5303	5
8	E C C - 3154	3296	15	3745	4	2672	13	7824	11	4560	8	4560	8
9	E H H - 1810	3375	14	2259	19	2535	17	10518	2	3998	16	3998	16
10	E H H - 1808	5863	3	3224	13	4097	1	7197	15	5926	11	5926	11
11	E H H - 1811	6020	17	3003	15	2296	19	7667	12	4444	15	4444	15
12	E H H - 1812	3190	7	3224	12	2772	10	9445	4	4186	6	4186	6
13	E H H - 1813	4653	8	3250	11	2746	11	6310	18	5024	14	5024	14
14	E H H - 1815	4616	10	3324	9	2584	16	7234	14	4230	13	4230	13
15	E H H - 1815	3891	9	3516	8	2692	12	7641	13	4258	11	4258	11
16	E H H - 1816	4353	12	2787	16	2862	9	6414	17	4551	9	4551	9
17	NAVJOT	3439	12	2787	16	2862	9	6414	17	3876	18	3876	18
18	MAHI KANCHAN	1721	19	3911	3	2308	18	4358	19	3075	19	3075	19
19	PRATAP MAKKA - 3	3829	11	3032	14	2621	15	6429	16	3978	17	3978	17
	MEAN YIELD=	4198		3346		2934		8196		4669		4669	
	MEAN STAND	30		30		40		38		35		35	
	C.D. AT 5%=	609		390		779		1223		750		750	
	C.V. %	8.76		8.23		18.75		10.53		-		-	
	F (Prob)	.000		.003		.001		.000		-		-	
	PLOT SIZE=	6.00		6.00		6.00		5.60		-		-	
	AGRONOMY DATA:												
	SOWING DATE (2005)	2-07		8-07		30-06		8-07		-		-	
	HARVEST DATE (2005)	5-10		7-10		22-10		22-10		-		-	
	IRRIGATION NOS	-		-		2		-		-		-	
	FERTILIZER APPLIED	90		100		100		100		-		-	
	N	60		50		50		60		-		-	
	P	-		-		-		40		-		-	
	K	-		-		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V. (i.e. > 20%) : BANS 22.3%

TABLE NO. 58 (CONT.)

S1 NO PEDIGREE	GRAIN YIELD % SUPERIORITY		THE MAHI KANCHAN		ZN 5 MEAN					
	NAVJOT UDAI	GODH	KHED	CHHI		MAHI KANCHAN UDAI	GODH	KHED	CHHI	ZN 5 MEAN
1 C H H - 229	-	-	11.60	27.50	11.93	97.08	-	38.41	87.65	41.10
2 C H H - 230	-	31.84	-	30.03	15.21	87.04	-	13.87	91.37	45.24
3 W H - 6	43.83	29.85	0.69	33.03	28.88	187.45	-	24.88	95.79	62.47
4 EXPRESS	86.45	17.44	23.71	44.92	45.28	272.64	-	53.44	113.29	83.14
5 S M H - 24665	58.89	60.83	29.24	60.13	54.28	217.55	14.61	60.29	135.66	94.48
6 J K M H - 94	-	70.83	21.65	89.69	51.90	82.39	21.74	50.87	179.17	91.48
7 N M H - 1353	43.87	30.66	13.66	46.04	36.82	187.53	-	40.97	114.94	72.47
8 E C - 3152	-	34.36	-	32.92	17.65	91.55	-	15.80	95.62	48.31
9 E C - 3154	-	-	-	21.98	3.16	96.11	-	9.84	79.52	30.04
10 E H - 1810	70.47	15.66	43.16	63.98	52.89	240.69	-	77.55	141.34	92.73
11 E H - 1808	75.03	-	-	12.20	14.66	249.82	-	-	65.13	44.54
12 E H - 1811	-	7.74	0.80	19.52	8.01	85.38	-	25.01	75.91	36.16
13 E H - 1812	35.29	15.66	-	47.25	29.61	170.40	-	20.12	116.71	63.39
14 E H - 1813	34.20	16.61	-	-	9.15	168.21	-	18.98	44.78	37.59
15 E H - 1815	13.14	19.26	-	12.78	9.87	126.12	-	11.96	65.99	38.50
16 E H - 1816	26.57	26.15	-	19.13	17.41	152.97	-	16.66	75.33	48.01
CHECKS:										
17 NAVJOT	-	-	-	-	-	99.86	-	24.02	47.17	26.06
18 MAHI KANCHAN	-	40.33	-	-	-	-	-	-	-	-
19 PRATAP MAKKA-3	11.34	8.77	-	0.22	2.63	122.52	-	13.57	47.50	29.37

TABLE NO. 58 (CONT.)

Sl	NO PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRATAP MAKKA - 3					DAYS TO 50% POLLEN SHED				
		UDAI	GODH	KHED	CHHI	ZN 5 MEAN	UDAI	GODH	KHED	CHHI	ZN 5 MEAN
1	C H H - 229	-	-	21.87	27.22	9.07	50.7	49.0	51.0	53.8	51.1
2	C H H - 230	-	21.21	0.27	29.74	12.26	51.0	50.5	49.8	53.0	51.1
3	W H - 6	29.18	19.38	9.97	32.74	25.58	56.0	55.3	54.8	57.0	55.8
4	EXPRESS	67.46	7.97	35.11	44.60	41.56	51.7	50.5	52.8	53.3	52.0
5	S M H - 24665	42.70	47.86	41.15	59.77	50.33	53.3	55.5	54.3	56.5	54.9
6	J K M H - 94	-	57.06	32.85	89.27	48.01	55.3	52.3	55.5	54.3	54.3
7	N M H - 1353	29.22	20.12	24.13	45.72	33.31	55.0	54.5	53.3	55.8	54.6
8	E C - 3152	-	23.53	1.97	32.62	14.64	53.7	53.5	52.3	51.5	52.7
9	E C - 3154	-	-	-	21.71	0.52	51.7	51.0	51.0	53.0	51.7
10	E H - 1810	53.10	6.33	56.34	63.61	48.97	51.7	50.5	51.8	54.0	52.0
11	E H - 1808	57.21	-	-	11.95	11.73	52.0	49.3	53.0	56.3	52.6
12	E H - 1811	-	-	10.08	19.26	5.24	52.0	50.5	51.3	50.5	51.1
13	E H - 1812	21.51	6.34	5.77	46.92	26.29	56.7	55.3	53.8	55.0	55.2
14	E H - 1813	20.53	7.21	4.77	-	6.35	49.3	48.5	47.8	50.0	48.9
15	E H - 1815	1.61	9.64	-	12.53	7.06	50.3	50.5	50.5	51.5	50.7
16	E H - 1816	13.68	15.98	2.72	18.87	14.41	56.3	55.5	55.3	56.3	55.8
CHECKS:											
17	NAVJOT	-	-	9.21	-	-	49.0	50.5	50.5	51.0	50.3
18	MAHI KANCHAN	-	29.02	-	-	-	49.0	50.3	48.3	50.3	49.4
19	PRATAP MAKKA - 3	-	-	-	-	-	48.7	49.3	50.5	50.3	49.7
MEAN LOCATION											
C.D. AT 5% =											
C.V. % =											
F (Prob) =											

TABLE NO. 58 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% SILKING					DAYS TO 50% DRY HUSK				
		UDAI	GODH	KHED	CHHI	MEAN	UDAI	GODH	KHED	CHHI	MEAN
1	C H H - 229	53.3	55.0	55.8	54.8	54.7	81.3	87.8	86.5	91.0	86.6
2	C H H - 230	54.0	55.5	55.3	54.3	54.8	81.0	89.5	87.8	92.5	87.7
3	W H - 6	59.0	59.8	58.8	58.5	59.0	86.0	89.8	88.0	94.0	89.4
4	EXPRESS	54.7	56.5	56.8	54.8	55.7	82.0	90.5	88.3	92.0	88.2
5	S M H - 24665	56.0	59.5	56.5	56.8	57.2	83.7	92.5	88.0	93.0	89.3
6	J K M H - 94	58.0	57.3	59.5	54.5	57.3	85.0	90.3	89.0	94.0	89.6
7	N M H - 1353	58.3	59.5	55.5	55.8	57.3	86.0	91.3	87.8	95.5	90.1
8	E C - 3152	56.3	58.5	58.3	51.5	56.1	82.7	89.5	86.5	91.0	87.4
9	E C - 3154	55.0	56.0	55.0	53.0	54.8	82.3	87.5	87.3	92.0	87.3
10	E H - 1810	55.3	56.5	56.0	54.0	55.5	81.7	88.0	85.8	95.0	87.6
11	E H - 1808	55.0	56.3	56.5	57.5	56.3	82.7	88.5	88.3	87.5	86.7
12	E H - 1811	54.3	55.5	55.5	50.8	54.0	82.3	85.0	88.5	92.0	87.0
13	E H - 1812	60.7	59.5	58.0	53.8	58.0	88.0	90.8	85.3	92.5	89.1
14	E H - 1813	52.3	51.8	52.3	50.5	51.7	81.0	83.3	88.3	86.0	84.6
15	E H - 1815	53.7	55.5	54.8	52.8	54.2	81.7	88.3	89.3	90.5	87.4
16	E H - 1816	59.7	59.5	58.3	57.3	58.7	87.3	90.8	87.3	93.5	89.7
CHECKS:											
17	NAVJOT	52.0	55.5	55.3	52.3	53.8	80.3	88.5	84.5	89.0	85.6
18	MAHI KANCHAN	52.0	55.3	54.0	51.3	53.1	79.7	87.5	87.5	86.5	85.3
19	PRATAP MAKKA - 3	52.0	54.3	54.3	50.3	52.7	80.7	86.5	87.3	86.5	85.2
MEAN LOCATION		55.4	56.7	56.1	53.9	55.5	82.9	88.7	87.4	91.3	87.6
C.D. AT 5% =		2.9	0.8	1.9	1.6	1.8	3.1	0.9	4.0	1.1	2.2
C.V. % =		3.1	1.0	2.4	2.1	-	2.2	0.7	3.2	0.8	-
F (Prob)		.000	.000	.000	.000	-	.000	.000	.716	.000	-

TABLE NO. 58 (CONT.)

Sl NO	PEDIGREE	MOISTURE % AT HARVEST				PLANT ASPECT *				EAR ASPECT *					
		GODH	KHED	CHHI	ZN 5 MEAN	UDAI	GODH	KHED	CHHI	ZN 5 MEAN	UDAI	GODH	KHED	CHHI	ZN 5 MEAN
1	CH H - 229	20.8	18.9	17.0	18.9	2.1	2.8	2.8	1.5	2.3	2.0	2.5	3.3	1.3	2.2
2	CH H - 230	18.7	22.7	18.7	20.0	2.5	2.5	2.8	1.5	2.3	2.2	2.5	2.8	1.1	2.2
3	WH - 6	20.9	19.8	20.0	20.2	1.9	2.5	2.3	1.0	1.9	1.8	2.0	2.3	1.1	1.8
4	EXPRESS	20.8	21.2	20.0	20.7	2.1	2.5	2.5	1.3	2.1	2.0	3.5	3.0	1.3	2.4
5	SMH - 24665	18.5	21.6	19.7	19.9	1.8	2.0	2.5	1.0	1.8	1.6	3.0	2.8	1.1	2.1
6	JKMH - 94	20.4	23.8	18.7	21.0	1.9	1.3	2.8	1.0	1.7	2.6	2.5	2.0	1.1	2.1
7	NMH - 1353	18.9	25.6	20.0	21.5	2.2	2.5	2.5	1.0	2.0	1.8	2.5	2.8	1.1	2.0
8	EC - 3152	21.7	18.2	19.5	19.8	1.8	2.0	2.3	1.5	1.9	1.9	3.5	3.3	1.5	2.5
9	EC - 3154	21.1	20.5	18.9	20.2	1.9	1.3	2.3	1.3	1.7	2.1	3.8	2.3	1.5	2.4
10	EH - 1810	20.5	20.0	19.3	19.9	1.9	3.0	2.3	1.0	2.0	1.4	3.0	2.8	1.5	2.2
11	EH - 1808	20.3	18.5	17.4	18.7	1.8	3.0	2.5	1.5	2.2	1.6	3.0	2.8	1.4	2.2
12	EH - 1811	21.5	15.5	18.7	18.6	2.0	2.3	2.5	1.8	2.1	1.9	3.5	2.5	1.5	2.3
13	EH - 1812	22.2	24.4	18.5	21.7	2.0	2.5	2.5	1.0	2.0	1.8	3.8	2.5	1.1	2.3
14	EH - 1813	20.7	12.4	19.1	17.4	1.9	2.3	2.5	1.8	2.1	1.9	3.0	2.5	1.5	2.2
15	EH - 1815	20.4	20.1	19.5	20.0	1.9	2.5	2.8	1.8	2.2	1.9	2.5	3.0	1.6	2.3
16	EH - 1816	20.3	14.7	17.8	17.6	2.2	2.8	2.5	1.3	2.2	2.0	3.5	2.8	1.5	2.4
CHECKS:															
17	NAVJOT	21.7	15.3	19.7	18.9	2.0	2.5	2.5	2.0	2.2	2.0	2.5	2.5	1.5	2.1
18	MAHI KANCHAN	20.5	17.7	18.9	19.0	2.7	2.5	2.0	2.0	2.3	2.3	2.0	3.0	1.5	2.2
19	PRATAP MAKKA-3	21.3	15.6	19.1	18.7	2.1	3.0	2.5	2.0	2.4	1.7	3.5	2.5	1.5	2.3
MEAN LOCATION		20.6	19.3	19.0	19.6	2.0	2.4	2.5	1.4	2.1	1.9	2.9	2.7	1.4	2.2
C.D. AT 5% =		0.4	2.9	0.8	1.3	0.4	0.7	0.8	0.2	0.5	0.5	0.7	0.9	0.3	0.6
C.V. % =		1.3	10.6	2.9	-	13.1	19.4	21.5	10.9	-	14.3	16.2	22.4	15.7	-
F (Prob)		.000	.000	.000	-	.017	.000	.899	.000	-	.003	.000	.282	.001	-

TABLE NO. 58 (CONT.)

Sl NO	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5 MEAN
		GODH	KHED	CHHI	ZN 5 MEAN	UDAI	GODH	KHED	CHHI	ZN 5 MEAN		
1	CH H - 229	2.0	2.5	1.5	2.0	1.9	3.0	2.5	1.5	2.2		
2	CH H - 230	2.0	2.8	1.0	1.9	2.2	3.0	2.8	1.5	2.4		
3	WH - 6	2.0	2.5	1.0	1.8	1.8	2.0	2.5	1.3	1.9		
4	EXPRESS	2.0	2.8	1.0	1.9	2.1	2.0	2.5	1.3	2.0		
5	SM H. - 24665	2.0	2.8	1.0	1.9	1.8	2.5	2.5	1.0	2.0		
6	JKMH - 94	2.0	2.5	1.0	1.8	2.0	2.0	2.8	1.3	2.0		
7	NMH - 1353	2.0	2.0	1.0	1.7	2.1	3.0	2.3	1.0	2.1		
8	EC - 3152	2.0	2.8	1.0	1.9	1.8	2.5	2.5	1.8	2.1		
9	EC - 3154	2.0	2.5	1.5	2.0	2.0	2.0	2.5	1.5	2.0		
10	EH - 1810	2.0	3.0	1.0	2.0	1.8	3.0	2.3	1.0	2.0		
11	EH - 1808	2.0	2.5	1.5	2.0	1.9	3.8	2.3	1.5	2.3		
12	EH - 1811	3.5	2.5	2.0	2.7	1.9	3.0	2.5	1.8	2.3		
13	EH - 1812	2.5	2.3	1.0	1.9	1.9	2.5	2.8	1.3	2.1		
14	EH - 1813	2.0	3.0	1.3	2.1	1.9	2.0	2.3	1.0	1.8		
15	EH - 1815	2.5	3.0	1.0	2.2	1.8	2.5	2.8	1.8	2.2		
16	EH - 1816	2.5	2.8	1.0	2.1	1.9	2.5	2.3	1.8	2.1		
CHECKS:												
17	NAVJOT	2.0	2.8	1.0	1.9	2.1	2.5	3.0	1.0	2.2		
18	MAHI KANCHAN	2.0	2.8	1.0	1.9	2.5	2.5	2.5	1.8	2.3		
19	PRATAP MAKKA - 3	2.0	2.5	1.8	2.1	2.1	2.5	2.5	1.8	2.2		
MEAN LOCATION												
C.D. AT 5% =		0.4	0.7	0.3	0.5	0.4	0.6	0.8	0.3	0.5		
C.V. % =		11.8	20.0	15.2	-	11.0	15.3	22.8	13.1	-		
F (Prob)		.000	.541	.000	-	.054	.000	.920	.000	-		

TABLE NO. 58 (CONT.)

Sl No	PEDIGREE	PLANT HEIGHT (cm)				EAR HEIGHT (cm)				ZN 5 MEAN
		UDAI	GODH	KHED	CHHI	UDAI	GODH	KHED	CHHI	
1	C H H - 229	203	138	201	193	93	56	83	88	80
2	C H H - 230	167	145	191	171	83	64	82	93	80
3	W H - 6	182	178	210	180	92	75	90	88	86
4	EXPRESS	180	148	208	190	90	58	86	84	79
5	S M H - 24665	200	173	213	186	99	96	85	91	93
6	J K M H - 94	173	136	199	188	88	64	83	96	83
7	N M H - 1353	167	126	216	173	87	54	82	88	77
8	E C - 3152	193	171	226	191	105	88	88	88	92
9	E C - 3154	167	153	204	178	92	59	84	90	81
10	E H - 1810	182	128	216	193	100	59	88	100	87
11	E H - 1808	175	114	206	183	103	50	89	90	83
12	E H - 1811	180	148	216	190	93	60	89	93	84
13	E H - 1812	180	93	206	169	98	38	87	89	78
14	E H - 1813	157	125	216	174	77	58	85	85	76
15	E H - 1815	172	146	217	199	83	48	78	101	77
16	E H - 1816	163	136	211	186	78	44	84	101	77
CHECKS:										
17	NAVJOT	170	128	212	185	70	58	75	81	71
18	MAHI KANCHAN	183	179	207	183	93	78	80	85	84
19	PRATAP MAKKA - 3	197	98	214	188	92	48	86	93	79
MEAN LOCATION										
	C.D. AT 5%	36.2	4.8	27.4	20.5	23.4	4.6	15.7	17.7	15.4
	C.V. %	12.3	2.4	9.2	7.9	15.6	5.4	13.2	13.8	-
	F (Prob)	.451	.000	.825	.230	.274	.000	.951	.635	-

TABLE NO. 58 (CONT.)

Sl NO PEDIGREE	EAR No./PLANT				STAND AT HARVEST				ZN 5 MEAN
	UDAI	GODH	KHED	CHHI	UDAI	GODH	KHED	CHHI	
1 C H H - 229	1.03	0.84	0.89	0.93	24	37	40	38	35
2 C H H - 230	0.99	0.82	0.86	0.97	31	27	38	40	34
3 W H - 6	0.96	0.88	0.84	0.94	32	24	42	37	34
4 EXPRESS	1.04	0.91	0.93	0.95	30	33	39	36	34
5 S M H - 24665	1.08	0.92	0.93	0.97	31	28	40	38	34
6 J K M H - 94	1.09	0.86	0.86	0.94	33	28	39	40	35
7 N M H - 1353	1.02	0.85	0.92	1.02	32	30	42	38	36
8 E C - 3152	0.95	0.90	0.94	1.02	35	24	40	39	34
9 E C - 3154	1.02	0.88	0.87	1.00	25	40	40	39	36
10 E H - 1810	0.96	0.86	0.85	0.98	32	34	42	40	37
11 E H - 1808	0.98	0.88	0.95	0.97	31	35	40	38	36
12 E H - 1811	0.98	0.83	0.87	1.01	29	29	40	38	34
13 E H - 1812	1.03	0.90	0.89	0.97	34	29	40	37	35
14 E H - 1813	0.92	0.91	0.95	1.01	36	28	41	38	36
15 E H - 1815	0.97	0.90	0.95	1.03	29	28	38	40	34
16 E H - 1816	1.00	0.87	0.99	0.99	31	26	41	38	34
CHECKS:									
17 NAVJOT	1.00	0.86	0.95	0.99	25	26	40	39	32
18 MAHI KANCHAN	1.00	0.85	0.87	0.97	25	30	39	40	34
19 PRATAP MAKKA - 3	1.11	0.86	0.87	0.94	30	34	37	39	35
MEAN LOCATION	-	-	-	-	30	30	40	38	35
C.D. AT 5% =	-	-	-	-	7.2	6.7	5.3	3.1	5.6
C.V. % =	-	-	-	-	14.4	15.9	9.3	5.7	-
F (Prob)	-	-	-	-	.060	.000	.861	.621	-

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

TABLE NO. 59 (CONT.)

GRAIN YIELD & SUPERIORITY OVER THE ARAWALI MAKKA - 1

Sl	NO	PEDIGREE	UDAI	BANS	GODH	KHED	CHHI	ZN 5	MEAN
	1	C H H - 231	4.05	10.91	-	-	22.72	1.46	
	2	C H H - 232	-	14.25	-	-	9.10	-	
	3	W H - 5	38.53	30.81	-	-	9.30	7.52	
	4	W C - 240	16.86	7.03	-	-	28.69	1.47	
	5	X - 62	89.99	13.57	-	16.63	0.00	18.94	
	6	S M H - 39425	21.47	20.89	-	-	73.02	24.82	
	7	J K M H - 82	12.15	2.90	-	-	36.48	6.51	
	8	N M H - 1076	14.54	7.60	-	46.74	46.74	20.36	
	9	E H - 1809	-	13.01	-	14.16	40.44	5.46	
	10	E H - 1817	5.46	3.65	-	-	9.64	-	
	11	E H - 1818	29.08	10.04	-	-	27.05	9.96	
	12	E H - 1819	67.05	0.32	-	9.92	26.08	16.40	
	13	E H - 1820	67.63	35.13	-	35.42	77.24	41.86	
	14	E H - 1821	16.67	8.41	-	11.89	36.85	12.84	
	15	E H - 1822	4.74	14.38	-	6.92	28.20	10.13	
	16	E H - 1823	43.85	-	-	4.88	12.34	3.49	
	17	E C - 3145	29.11	9.43	-	-	22.60	5.86	
	18	I C W - 9604	-	-	-	-	-	-	
	19	I C W - 9612	25.13	-	-	-	-	-	
	20	I C W - 9701	14.05	-	-	-	-	-	
		CHECKS:							
	21	ARAWALI MAKKA - 1	-	-	-	-	-	-	
	22	PRATAP MAKKA - 3	30.10	1.91	-	-	1.17	-	
	23	PEHM-2	22.63	13.90	-	-	51.78	12.25	
	24	MAHI KANCHAN	6.09	13.67	-	-	-	-	

TABLE NO. 59 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE PRATAP MAKKA - 3							ZIN 5 MEAN
		UDAI	BANS	GODH	KHED	CHHI	CHHI		
1	CH H - 231	-	8.83	9.00	-	21.30	-	4.30	
2	CH H - 232	-	12.11	21.49	-	7.84	-	0.51	
3	WH - 5	6.48	28.36	0.82	1.61	8.04	-	10.52	
4	WC - 240	-	5.03	-	-	27.20	-	4.30	
5	X - 62	46.03	11.45	32.64	34.45	-	-	22.26	
6	SMH - 39425	-	18.62	36.51	13.17	71.02	-	28.30	
7	JKMH - 82	-	0.98	17.64	5.30	34.90	-	9.49	
8	NMH - 1076	-	5.59	24.79	69.15	45.04	-	23.72	
9	EH - 1809	-	10.90	13.68	31.60	38.81	-	8.41	
10	EH - 1817	-	1.71	9.30	-	8.37	-	-	
11	EH - 1818	-	7.98	22.21	10.28	25.58	-	13.03	
12	EH - 1819	28.40	-	25.72	26.71	24.62	-	19.65	
13	EH - 1820	28.85	32.60	32.78	56.11	75.19	-	45.81	
14	EH - 1821	-	6.38	24.12	28.98	35.27	-	15.99	
15	EH - 1822	-	12.24	28.83	23.25	26.71	-	13.21	
16	EH - 1823	10.57	-	5.28	20.90	11.04	-	6.38	
17	EC - 3145	-	7.38	10.30	2.34	21.18	-	8.82	
18	ICW - 9604	-	-	1.74	-	-	-	-	
19	ICW - 9612	-	-	21.80	-	-	-	-	
20	ICW - 9701	-	-	12.88	1.14	-	-	-	
CHECKS:									
21	ARAWALI MAKKA - 1	-	-	40.64	15.28	-	-	2.79	
22	PRATAP MAKKA - 3	-	-	-	-	-	-	-	
23	PEHM-2	-	11.77	17.29	-	50.02	-	15.38	
24	MAHI KANCHAN	-	11.54	-	-	-	-	-	

TABLE NO. 59 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE MAHI KANCHAN							ZN 5 MEAN
		UDAI	BANS	GODH	KHED	CHHI			
1	CH H - 231	-	-	10.54	21.58	34.24	11.60		
2	CH H - 232	-	0.51	23.20	20.07	19.34	7.55		
3	WH - 5	30.57	15.08	2.25	25.70	19.56	18.27		
4	WC - 240	10.16	-	-	18.89	40.78	11.60		
5	X - 62	79.08	-	34.51	66.32	9.39	30.83		
6	SMH - 39425	14.50	6.35	38.44	40.00	89.27	37.29		
7	JKMH - 82	5.71	-	19.30	30.26	49.29	17.15		
8	NMH - 1076	7.96	-	26.56	109.25	60.51	32.39		
9	EH - 1809	-	-	15.29	62.80	53.62	16.00		
10	EH - 1817	-	-	10.85	-	19.93	0.49		
11	EH - 1818	21.67	-	23.94	36.42	38.97	20.95		
12	EH - 1819	57.46	-	27.49	56.75	37.92	28.03		
13	EH - 1820	58.01	18.88	34.66	93.12	93.88	56.03		
14	EH - 1821	9.97	-	25.87	59.56	49.70	24.12		
15	EH - 1822	-	0.63	30.65	52.47	40.23	21.14		
16	EH - 1823	35.60	-	6.77	49.56	22.88	13.83		
17	EC - 3145	21.70	-	11.86	26.60	34.11	16.44		
18	ICW - 9604	-	-	3.18	-	-	-		
19	ICW - 9612	17.95	-	23.53	13.53	-	-		
20	ICW - 9701	7.50	-	14.48	25.11	-	-		
CHECKS:									
21	ARAWALI MAKKA - 1	-	-	42.63	42.60	9.39	9.99		
22	PRATAP MAKKA - 3	22.63	-	1.41	23.71	10.67	7.01		
23	PEHM-2	15.59	0.21	18.95	11.74	66.03	23.46		
24	MAHI KANCHAN	-	-	-	-	-	-		

TABLE NO. 59 (CONT.)

Sl NO	PEDIGREE	DAYS TO 50% DRY HUSK					MOISTURE % AT HARVEST					ZN 5 MEAN
		UDAI	BANS	GODH	KHED	CHHI	BANS	GODH	KHED	CHHI		
1	CHH - 231	84.7	77.0	83.3	88.3	91.0	17.2	14.3	13.6	17.1	15.5	
2	CHH - 232	81.3	72.8	84.0	86.3	88.5	16.6	17.2	12.7	17.8	16.1	
3	WHH - 5	87.0	81.5	82.7	85.3	93.0	16.7	15.3	20.9	20.2	18.3	
4	WXC - 240	84.7	79.0	83.3	87.8	88.0	16.9	15.6	15.5	17.0	16.2	
5	X - 62	85.3	79.8	84.3	86.5	88.0	16.7	15.3	12.2	18.3	15.6	
6	SMH - 39425	83.3	75.8	80.7	87.8	95.0	17.6	15.5	15.4	19.7	17.0	
7	JKM - 82	85.3	78.3	81.7	88.0	93.5	16.3	16.1	16.4	20.1	17.2	
8	NMH - 1076	87.0	78.8	81.3	87.8	92.0	16.5	16.5	16.6	18.5	17.0	
9	EH - 1809	82.7	73.3	79.3	84.3	86.0	17.2	14.7	13.4	18.9	16.1	
10	EH - 1817	89.0	78.0	87.3	88.0	91.5	16.3	15.7	14.7	18.0	16.2	
11	EH - 1818	84.0	81.0	82.7	83.8	88.5	16.9	14.5	13.8	19.8	16.2	
12	EH - 1819	81.0	74.5	80.0	88.0	86.0	16.6	12.6	11.4	19.1	14.9	
13	EH - 1820	89.0	80.5	87.0	87.5	95.0	16.6	12.6	22.1	20.8	18.0	
14	EH - 1821	88.0	74.0	82.7	89.5	91.0	17.2	14.6	15.0	15.0	15.5	
15	EH - 1822	81.7	76.8	82.0	87.5	89.0	16.8	15.7	18.3	19.1	17.5	
16	EH - 1823	81.3	80.3	82.0	87.5	88.0	16.2	15.1	12.8	18.0	15.5	
17	EC - 3145	83.0	78.0	83.7	86.8	89.0	16.4	16.3	14.8	16.5	16.0	
18	ICW - 9604	81.3	80.3	83.7	87.8	86.5	16.5	15.5	12.0	16.0	15.0	
19	ICW - 9612	81.3	73.8	81.3	87.3	81.0	16.8	16.3	11.4	16.1	15.1	
20	ICW - 9701	80.0	78.8	82.3	83.3	81.0	16.3	15.7	12.4	17.6	15.5	
CHECKS:												
21	ARAWALI MAKKA - 1	84.3	79.0	86.0	86.5	86.5	16.8	15.5	15.1	18.7	16.5	
22	PRATAP MAKKA - 3	81.7	74.8	82.3	88.8	87.0	16.6	15.7	11.8	18.3	15.6	
23	PEHM-2	87.7	81.0	86.3	83.5	91.5	16.3	16.3	15.2	19.5	16.8	
24	MAHI KANCHAN	83.3	77.5	83.0	87.0	83.0	16.5	16.8	16.2	18.7	17.0	
MEAN LOCATION												
C.D. AT 5%		3.5	2.3	1.2	3.8	1.2	0.7	0.5	1.8	0.6	0.9	
C.V. %		2.6	2.1	0.9	3.1	0.9	3.1	1.8	8.6	2.4	-	
F (Prob)		.000	.000	.000	.089	.000	.032	.000	.000	.000	-	

TABLE NO. 59 (CONT.)

Sl No	PEDIGREE	PLAT ASPECT *					EAR ASPECT *					ZN 5 MEAN
		UDAI	BANS	GODH	KHED	CHHI	UDAI	BANS	GODH	KHED	CHHI	
1	CHH - 231	1.6	1.9	2.0	2.5	1.8	2.5	2.0	3.0	2.5	1.5	2.3
2	CHH - 232	1.6	2.1	2.7	2.3	1.5	3.0	2.1	3.0	2.8	1.5	2.5
3	WH - 5	1.6	1.9	3.0	2.8	1.5	1.8	2.1	2.3	3.0	1.3	2.1
4	WC - 240	1.5	2.1	2.3	2.5	2.0	2.0	2.1	2.7	3.0	1.4	2.2
5	X - 62	1.7	2.0	2.3	2.3	1.5	1.3	2.1	2.0	3.0	1.6	2.0
6	SMH - 39425	1.5	1.9	2.0	2.5	1.0	2.0	1.8	2.0	2.5	1.0	1.9
7	JKM H - 82	1.6	2.1	2.0	2.3	1.0	2.6	2.3	2.0	2.5	1.1	2.1
8	NMH - 1076	1.8	2.4	3.0	2.0	1.0	2.7	2.4	2.3	2.8	1.4	2.3
9	EH - 1809	1.7	1.9	2.0	2.3	1.8	3.0	2.1	3.0	2.5	1.5	2.4
10	EH - 1817	1.8	2.3	2.0	2.5	1.3	2.5	2.1	2.0	2.8	1.6	2.2
11	EH - 1818	1.7	2.3	2.0	2.5	1.5	2.0	2.1	3.0	2.5	1.8	2.3
12	EH - 1819	1.7	2.1	2.0	2.8	1.8	2.0	2.5	2.0	3.3	1.9	2.2
13	EH - 1820	1.5	1.9	2.7	2.0	1.0	1.3	1.8	2.0	2.8	1.3	1.8
14	EH - 1821	1.6	2.1	2.0	2.5	1.5	1.8	2.3	3.0	2.5	1.6	2.2
15	EH - 1822	1.7	2.3	2.7	2.8	1.8	2.6	2.3	2.0	3.0	1.8	2.3
16	EH - 1823	1.7	2.3	2.7	2.8	1.5	1.8	2.4	2.0	2.8	1.8	2.1
17	EC - 3145	1.8	2.3	3.0	2.0	1.5	1.9	2.3	2.0	2.8	1.6	2.1
18	ICW - 9604	1.6	2.0	2.0	3.0	2.0	2.6	2.1	3.0	2.5	2.1	2.5
19	ICW - 9612	1.7	2.3	2.7	2.5	2.0	2.0	2.3	2.3	2.5	2.1	2.2
20	ICW - 9701	1.6	2.1	2.0	2.8	2.0	2.4	2.1	3.0	3.0	2.3	2.5
CHECKS:												
21	ARAWALI MAKKA -1	1.6	2.1	2.0	2.5	1.5	2.5	2.0	2.3	2.5	1.5	2.2
22	PRATAP MAKKA - 3	1.7	2.3	3.0	3.0	1.8	1.8	2.1	2.7	3.0	1.6	2.2
23	PEHM-2	1.4	2.1	2.0	2.5	1.5	2.0	2.0	3.0	2.8	1.1	2.2
24	MAHI KANCHAN	1.9	2.3	2.3	2.8	2.0	1.7	2.1	2.3	2.8	1.8	2.1
MEAN LOCATION												
C.D. AT 5% =		0.3	0.3	0.6	0.7	0.3	2.1	2.1	2.5	2.7	1.6	2.2
C.V. % =		11.4	11.7	14.5	20.6	13.7	1.0	0.4	0.5	0.8	0.6	0.7
F (Prob)		.266	.096	.000	.249	.000	30.0	13.2	12.6	20.4	25.3	-
							.038	.118	.000	.870	.002	-

TABLE NO. 59 (CONT.)

Sl No	PEDIGREE	HUSK COVER *					UNIFORMITY *					ZN 5	
		BANS	GODH	KHED	CHHI	MEAN	UDAI	BANS	GODH	KHED	CHHI	MEAN	ZN 5
1	CHH - 231	1.9	2.0	2.5	1.0	1.8	1.9	1.9	2.5	1.8	3.0	1.8	2.2
2	CHH - 232	2.1	2.7	2.8	1.5	2.1	1.9	3.0	2.8	1.8	3.0	1.8	2.3
3	WHC - 5	2.0	2.0	2.5	1.3	2.0	2.0	2.7	2.5	1.5	2.7	2.1	2.0
4	WHC - 240	2.3	2.0	2.3	1.0	1.8	2.1	2.0	2.5	1.3	2.0	1.9	2.0
5	X - 62	2.0	3.0	2.5	1.0	2.2	1.9	2.3	2.5	1.5	2.3	2.0	2.1
6	SMH - 39425	2.1	2.0	2.8	1.0	2.0	2.1	2.0	2.5	1.8	2.0	2.1	2.1
7	JMH - 82	2.3	3.0	2.8	1.0	2.3	2.5	3.0	2.3	1.0	3.0	2.1	2.1
8	NMH - 1076	2.0	2.0	3.0	1.0	2.0	2.0	2.0	2.3	1.5	2.0	1.9	2.0
9	EEH - 1809	2.1	3.0	2.8	1.5	2.3	2.1	2.0	2.8	1.3	2.0	2.0	2.0
10	EEH - 1817	2.3	2.0	2.3	2.0	2.1	1.8	2.0	2.0	2.0	2.0	2.0	2.0
11	EEH - 1818	2.3	2.0	2.8	1.0	2.0	1.8	2.4	2.5	1.5	2.0	2.0	2.0
12	EEH - 1819	2.0	2.0	2.5	1.0	1.9	1.6	3.0	2.3	1.0	3.0	1.9	2.0
13	EEH - 1820	2.1	2.0	2.8	1.0	2.0	2.0	2.0	2.0	1.5	2.0	1.9	2.0
14	EEH - 1821	2.3	2.0	2.5	1.5	2.1	1.8	2.7	2.5	1.0	2.7	2.0	2.0
15	EEH - 1822	2.1	2.0	2.5	1.0	1.9	1.7	2.3	2.5	1.8	2.3	2.1	2.1
16	EEH - 1823	2.0	2.0	2.5	1.0	1.9	1.8	2.3	2.8	1.5	3.0	2.3	2.3
17	EEC - 3145	2.0	2.0	2.5	2.0	2.2	1.7	2.1	2.8	2.0	2.0	2.1	2.1
18	I C W - 9604	2.4	2.0	2.8	1.8	2.2	1.9	2.1	2.5	2.0	2.0	2.1	2.1
19	I C W - 9612	2.0	2.0	2.5	1.5	2.2	1.8	2.1	2.5	2.0	2.0	2.1	2.1
20	I C W - 9701	2.0	1.0	2.5	1.5	1.8	1.8	2.0	2.3	2.0	2.0	2.0	2.0
CHECKS:													
21	ARAWALI MAKKA - 1	2.1	2.0	3.0	1.3	2.1	1.8	1.9	2.3	1.8	2.0	1.9	1.9
22	PRATAP MAKKA - 3	2.0	3.0	2.8	1.3	2.3	1.7	3.0	2.3	1.8	3.0	2.2	2.2
23	PEHM-2	1.9	2.0	2.8	1.0	1.9	1.6	2.1	2.8	1.8	2.0	2.0	2.0
24	MAHI KANCHAN	2.0	2.0	2.5	2.0	2.1	2.1	2.0	2.5	2.0	2.0	2.1	2.1
MEAN LOCATION													
C.D. AT 5% =													
C.V. % =													
F (Prob)													
		11.4	5.5	20.1	14.9	-	12.1	11.9	21.5	12.0	10.3	0.3	-
		.307	.000	.947	.000	-	.522	.162	.826	.000	.000	.000	-

TABLE NO. 59 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 5 MEAN	
		UDAI	BANS	GODH	KHED	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	KHED		CHHI
1	C H H - 231	180	199	163	189	175	181	87	91	77	86	86	85
2	C H H - 232	190	194	153	216	173	185	85	88	67	82	81	80
3	W H - 5	169	171	132	204	176	170	75	88	67	88	85	80
4	W C - 240	180	206	123	206	191	181	85	110	52	74	84	81
5	X - 62	183	184	167	195	156	177	70	75	60	70	68	69
6	S M H - 39425	177	173	148	193	171	172	77	63	72	74	76	72
7	J K M H - 82	163	166	182	196	158	173	73	73	87	68	68	74
8	N M H - 1076	184	175	163	205	173	180	79	86	75	75	83	80
9	E H - 1809	187	190	153	203	171	181	79	80	82	82	76	80
10	E H - 1817	171	164	158	188	154	167	72	90	73	67	78	76
11	E H - 1818	157	179	155	208	171	174	83	85	85	88	86	85
12	E H - 1819	170	175	157	172	179	171	80	73	58	79	84	75
13	E H - 1820	172	201	150	203	184	182	84	90	67	85	86	82
14	E H - 1821	163	169	163	164	158	163	75	73	77	75	76	75
15	E H - 1822	182	179	147	197	166	174	78	91	68	81	69	78
16	E H - 1823	160	180	115	181	161	159	78	80	57	73	80	74
17	E C - 3145	177	194	117	211	184	176	80	88	67	95	78	81
18	I C W - 9604	161	181	137	193	166	168	80	93	58	81	83	79
19	I C W - 9612	183	190	133	205	169	176	98	94	65	90	85	86
20	I C W - 9701	157	193	157	197	154	171	67	79	58	79	65	70
CHECKS:													
21	ARAWALI MAKKA-1	188	186	173	206	191	189	89	85	75	78	85	83
22	PRATAP MAKKA -3	190	169	152	199	171	176	79	73	60	74	85	74
23	PEHM-2	155	184	165	197	183	177	65	74	68	76	76	72
24	MAHI KANCHAN	147	175	115	212	168	163	63	75	62	86	75	72
MEAN LOCATION		173	182	149	197	171	174	78	83	68	79	79	78
C.D. AT 5% =		13.1	16.4	6.0	29.0	26.4	18.2	13.8	12.2	7.6	12.3	17.6	12.7
C.V. % =		4.6	6.4	2.4	10.4	10.9	-	10.7	10.4	6.8	11.0	15.8	-
F (Prob)		.000	.000	.000	.128	.167	-	.002	.000	.000	.001	.363	-

TABLE NO. 59 (CONT.)

Sl NO	PEDIGREE	EAR No. / PLANT										STAND AT HARVEST					ZN 5 MEAN
		UDAI	BANS	GODH	KHED	CHHI	UDAI	BANS	GODH	KHED	CHHI	UDAI	BANS	GODH	KHED	CHHI	
1	CHH - 231	1.13	0.92	0.84	0.99	0.99	28	37	33	43	39	39	36				
2	CHH - 232	1.09	0.99	0.92	0.90	0.94	30	32	27	43	40	35					
3	WH - 5	1.10	1.13	0.93	1.02	0.97	34	31	38	47	40	38					
4	WC - 240	1.05	0.98	0.94	0.93	0.99	30	30	32	33	39	33					
5	X - 62	1.03	1.04	0.89	0.93	0.91	32	30	31	36	36	33					
6	SMH - 39425	1.05	0.99	0.90	0.87	0.87	28	34	30	40	40	34					
7	JKM - 82	1.10	0.88	0.86	0.87	0.97	19	20	20	10	25	19					
8	NMH - 1076	0.98	0.80	0.88	0.86	1.03	26	29	21	42	40	32					
9	EH - 1809	1.05	0.97	0.86	0.85	1.00	34	34	32	42	40	36					
10	EH - 1817	0.96	0.92	0.87	0.94	0.99	23	28	28	40	38	31					
11	EH - 1818	0.99	0.87	0.95	0.90	0.99	32	30	20	44	40	33					
12	EH - 1819	0.95	0.86	0.92	0.90	0.97	34	30	34	42	39	36					
13	EH - 1820	0.98	0.92	0.93	0.83	0.97	30	34	31	44	39	35					
14	EH - 1821	1.05	0.91	0.96	0.91	0.99	34	32	28	43	39	35					
15	EH - 1822	1.12	0.89	0.86	0.90	0.97	31	34	30	44	40	36					
16	EH - 1823	1.00	1.04	0.90	0.93	0.97	34	30	34	44	40	36					
17	EC - 3145	1.04	0.83	0.79	0.77	0.87	30	33	20	35	38	31					
18	ICW - 9604	0.99	0.94	0.86	0.92	0.93	32	36	30	41	40	36					
19	ICW - 9612	1.01	0.88	0.92	0.85	0.94	26	33	29	41	39	33					
20	ICW - 9701	1.03	0.83	0.86	0.95	0.97	25	29	22	39	38	30					
CHECKS:																	
21	ARAWALI MAKKA - 1	1.02	1.00	0.84	0.89	0.96	24	36	22	44	39	33					
22	PRATAP MAKKA - 3	1.06	0.90	0.90	0.87	0.98	29	28	26	43	39	33					
23	PEHM-2	1.03	0.92	0.83	0.85	1.02	27	25	24	36	39	30					
24	MAHI KANCHAN	1.06	0.82	0.92	0.86	0.96	29	30	20	34	38	30					
MEAN LOCATION																	
C.D. AT 5% =																	
C.V. % =																	
F (Prob) =																	
* DATA RECORDED ON THE BASIS OF 1 (GOOD) TO 5 (POOR)																	

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Table 12: Relative performance of pre-release germplasm of Extra Early Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone I

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)		No. of Cobs (000/ha)	
		Almora	Banjaura	Kangra	Banjaur	Kangra	Banjaur	Kangra
N 40	FH - 3259	3364	3850	6148	73.8	57.8	67.7	56.5
	SURYA	2130	3523	3654	69.4	55.8	66.4	53.1
	HIM - 129	2654	4380	6000	75.3	58.8	73.2	55.8
	AMAR	2593	3367	4148	75.8	54.6	71.8	52.8
N 100	FH - 3259	4568	5533	8123	75.4	56.3	70.1	57.5
	SURYA	2809	4240	6247	73.3	55.1	69.9	55.1
	HIM - 129	3981	4727	7852	71.8	55.6	69.9	56.8
	AMAR	3457	4667	5852	74.5	54.8	71.6	55.6
N 160	FH - 3259	5556	7730	8346	67.9	55.8	65.1	57.0
	SURYA	3395	5743	6519	77.6	58.3	75.3	58.0
	HIM - 129	4846	6467	7407	78.2	53.6	75.3	55.3
	AMAR	4167	6410	5877	71.8	56.8	70.1	57.3

Location mean	3627	5053	6348	73.7	56.1	70.5	55.9
C.D.(5%) A B A Bk	483	848	398	12.6	5.4	12.1	3.8
C.D.(5%) A Bk-A Bk	529	799	936	11.9	7.2	12.8	6.1
F(5%)	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.

N 40	2685	3780	4988	73.6	56.7	69.8	54.6
N 100	3704	4792	7019	73.8	55.4	70.4	56.2
N 160	4491	6588	7037	73.9	56.1	71.5	56.9

C.D.(5%) A A	332	324	876	4.8	5.5	7.6	5.3
C.V.(%) Error A	8.1	565.2	12.2	5.8	8.7	9.5	8.3
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.

FH - 3259	4496	5704	7539	72.4	56.6	67.6	57.0
SURYA	2778	4502	5473	73.4	56.4	70.6	55.4
HIM - 129	3827	5191	7086	75.1	56.0	72.8	56.0
AMAR	3405	4814	5292	74.0	55.4	71.2	55.2

C.D.(5%) B B	279	490	230	7.3	3.1	7.0	2.2
C.V.(%) Error B	7.8	978.8	3.7	10.0	5.6	10.0	3.9
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.

Cont...

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Table 13: Relative performance of pre-release germplasm of Extra Early at different levels of Nitrogen during Kharif 2005 in Zone II

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)			No. of Cobs (000/ha)	
		Kanpur	Karnal	Delhi	Kanpur	Karnal	Delhi	Kanpur	Delhi
N 40	FH - 3211	2756	4417	2400	61.4	53.0	62.7	60.8	55.1
	AH - 23025	3200	3880	2400	62.5	52.3	63.1	61.7	57.8
	SURYA	3511	2620	2933	64.7	52.7	59.6	63.6	52.4
	HIM - 129	2800	2610	2667	60.8	53.3	58.7	59.7	55.6
	AMAR	3136	2553	2667	62.8	53.7	58.4	61.7	54.2
N 100	FH - 3211	3422	4550	3022	61.1	54.0	64.0	60.0	57.8
	AH - 23025	3867	4447	3378	63.9	53.0	63.1	63.3	60.0
	SURYA	4144	3548	3422	64.4	53.0	60.4	63.9	56.9
	HIM - 129	3511	3270	3467	63.1	51.7	58.7	62.5	58.7
	AMAR	3804	3122	3200	64.2	52.0	58.7	63.3	57.8
N 160	FH - 3211	4156	5070	3289	61.9	62.7	64.0	60.8	58.9
	AH - 23025	4556	5240	3867	62.5	52.3	65.3	61.4	60.9
	SURYA	4844	3965	3778	62.2	52.3	60.4	61.1	58.7
	HIM - 129	4222	3402	3822	63.9	53.3	60.4	63.1	60.0
	AMAR	4489	3570	3644	62.5	53.7	61.3	60.8	56.9

Location mean	3761	3751	3197	62.8	52.9	61.1	61.9	57.3
C.D.(5%) AIBj-AIBk	265	252	513	2.6	1.3	5.8	2.8	6.7
C.D.(5%) AIBk-AjBk	252	298	607	2.7	1.5	7.2	2.8	7.2
F(5%)	n.s.	s	n.s.	n.s.	s	n.s.	n.s.	n.s.

N 40	3080	3216	2813	62.4	53.0	60.1	61.5	55.0
N 100	3750	3787	3298	63.3	52.7	61.0	62.6	58.2
N 160	4453	4249	3680	62.6	52.9	62.3	61.4	58.7

C.D.(5%) Ai-Aj	87	200	407	1.5	0.9	5.1	1.4	4.1
C.V.(%) Error A	2.3	5.3	12.6	2.3	1.6	8.2	2.2	7.1
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.	n.s.

FH - 3211	3444	4679	2904	61.5	53.2	63.6	60.6	56.6
AH - 23025	3874	4522	3215	63.0	52.6	63.9	62.1	59.6
SURYA	4167	3378	3378	63.8	52.7	60.1	62.9	56.0
HIM - 129	3511	3094	3319	62.6	52.8	59.3	61.8	58.1
AMAR	3810	3082	3170	63.1	53.1	58.8	61.9	56.3

C.D.(5%) BI-Bj	153	145	296	1.5	0.8	3.3	1.6	3.9
C.V.(%) Error B	4.2	4.0	9.5	2.4	1.5	5.6	2.7	7.0
F(5%)	s	s	s	s	n.s.	s	n.s.	n.s.

Cont..

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Main Plot	Treatment	Days to 50% Silking	Plant Height (cm)		Days of 50% Pollen Shed	Ear Height (cm)	Days of 50% Dry Husk	Molsture %
		Kanpur	Kanpur	Delhi	Kanpur	Kanpur	Karnal	Karnal
N 40	FH - 3211	56.7	165.3	115.0	51.7	67.3	73.7	16.3
	AH - 23025	58.3	164.0	109.7	53.0	69.0	81.3	16.2
	SURYA	58.3	163.0	109.0	53.7	67.0	73.7	15.8
	HIM - 129	59.7	158.3	98.3	56.0	66.0	74.0	16.2
	AMAR	55.7	161.3	110.3	51.7	65.7	77.7	16.2
N 100	FH - 3211	58.3	163.3	125.0	53.3	62.3	73.7	16.3
	AH - 23025	58.7	166.3	118.3	54.7	63.0	81.3	16.3
	SURYA	56.3	166.7	122.7	52.3	65.7	74.3	16.2
	HIM - 129	59.0	166.3	110.3	55.0	64.3	74.0	16.5
	AMAR	58.0	167.3	120.7	54.3	65.0	77.7	16.2
N 160	FH - 3211	56.7	169.7	130.7	52.0	64.3	74.0	16.0
	AH - 23025	57.3	170.3	125.0	52.3	64.7	81.0	16.2
	SURYA	55.3	171.3	124.0	52.7	64.7	73.7	16.3
	HIM - 129	56.7	168.3	117.3	52.7	64.7	74.0	17.0
	AMAR	57.3	167.0	126.7	53.3	66.3	77.3	16.7

Location mean	57.5	165.9	117.5	53.2	65.3	76.1	16.3
C.D.(5%) AiBj-AiBk	3.2	5.6	3.1	3.1	4.1	1.1	0.6
C.D.(5%) AiBk-AjBk	3.5	6.7	3.8	3.4	4.5	1.2	0.6
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 40	57.7	162.4	108.5	53.2	67.0	76.1	16.1
N 100	58.1	166.0	119.4	53.9	64.1	76.2	16.3
N 160	56.7	169.3	124.7	52.6	64.9	76.0	16.4

C.D.(5%) Ai-Aj	2.0	4.6	2.6	2.1	2.6	0.6	0.2
C.V.(%) Error A	3.5	2.7	2.2	3.9	4.0	0.8	1.2
F(5%)	n.s.	s	s	n.s.	n.s.	n.s.	s

FH - 3211	57.2	166.1	123.6	52.3	64.7	73.8	16.2
AH - 23025	58.1	166.9	117.7	53.3	65.6	81.2	16.2
SURYA	56.7	167.0	118.6	52.9	65.8	73.9	16.1
HIM - 129	58.4	164.3	108.7	54.6	65.0	74.0	16.6
AMAR	57.0	165.2	119.2	53.1	65.7	77.6	16.3

C.D.(5%) Bi-Bj	1.8	3.2	1.8	1.8	2.3	0.7	0.4
C.V.(%) Error B	3.3	2.0	1.6	3.4	3.7	0.9	2.3
F(5%)	n.s.	n.s.	s	n.s.	n.s.	s	n.s.

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Table 14: Relative performance of pre-release germplasm of Extra Early Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone IV

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)	
		Karimnagar	Kolhapur	Coimbatore*	Karimnagar	Kolhapur
N 40	FH - 3211	1033	2222	4063	36.5	58.9
	DEH - 10103	933	889	2917	40.0	55.3
	DEH - 10303	1283	1533	3854	41.8	58.0
	DEH - 10503	1233	1067	3021	39.0	61.8
	SURYA	1150	778	2292	38.5	59.8
	HIM - 129	850	1289	2708	34.0	58.0
	AMAR	1050	1244	4375	35.3	62.0
N 100	FH - 3211	2867	3578	5104	44.7	56.2
	DEH - 10103	1950	2978	3542	42.8	57.3
	DEH - 10303	1817	2289	4375	44.5	58.4
	DEH - 10503	1967	2044	3333	42.3	58.9
	SURYA	1672	1267	3333	40.8	59.3
	HIM - 129	2033	2873	3229	49.7	57.6
	AMAR	1550	1511	5000	38.3	60.2
N 160	FH - 3211	3633	3822	6250	45.5	55.3
	DEH - 10103	2717	3511	3854	52.8	56.7
	DEH - 10303	2933	2867	4792	50.0	54.4
	DEH - 10503	2567	2422	4167	40.7	62.7
	SURYA	2267	2489	3854	47.3	62.4
	HIM - 129	2187	3133	3438	42.5	61.1
	AMAR	2100	2422	5417	38.8	62.2

Location mean	1884	2201	3948	42.2	58.9
C.D.(5%) AIBj-AIBk	785	373	476	11.7	4.9
C.D.(5%) AIBk-AjBk	838	463	487	11.8	5.7
F(5%)	n.s.	s	s	n.s.	n.s.

N 40	1078	1289	3318	37.9	59.0
N 100	1951	2363	3988	43.3	58.3
N 160	2628	2952	4539	45.4	59.3

C.D.(5%) AI-Aj	429	317	240	4.8	3.6
C.V.(%) Error A	26.6	16.8	3.7	13.3	7.1
F(5%)	s	s	s	s	n.s.

FH - 3211	2444	3207	5139	42.2	56.8
DEH - 10103	1887	2459	3438	45.2	56.4
DEH - 10303	2011	2230	4340	45.4	57.0
DEH - 10503	1922	1844	3507	40.7	61.0
SURYA	1698	1511	3180	42.2	60.4
HIM - 129	1683	2432	3125	42.1	58.9
AMAR	1567	1726	4931	37.5	61.5

C.D.(5%) BI-Bj	453	215	275	6.7	2.8
C.V.(%) Error B	25.2	10.2	5.7	16.7	5.1
F(5%)	s	s	s	n.s.	s

*Coimbatore: N-0, N-100, N-200

Cont...

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Main Plot	Treatment	No. of Cobs (000/ha)		Days to 50% Silking	Plant Height (cm)	
		Karimnagar	Kolhapur	Kolhapur	Karimnagar	Kolhapur
N 40	FH - 3211	32.5	34.9	66.7	131.3	106.3
	DEH - 10103	29.7	33.6	65.0	119.0	111.0
	DEH - 10303	38.8	40.9	65.3	117.3	110.3
	DEH - 10503	37.3	39.8	67.0	126.0	100.7
	SURYA	34.2	25.6	66.3	123.7	110.7
	HIM - 129	29.2	38.9	65.7	124.3	97.3
	AMAR	28.7	34.0	65.3	112.0	97.7
N 100	FH - 3211	43.2	45.3	62.0	144.3	115.0
	DEH - 10103	40.5	47.6	61.7	124.3	117.3
	DEH - 10303	40.5	49.1	63.7	123.3	111.3
	DEH - 10503	41.2	47.8	63.0	131.3	114.0
	SURYA	37.5	41.8	63.0	122.7	114.7
	HIM - 129	41.8	54.7	60.3	123.3	110.3
	AMAR	34.3	39.1	64.7	119.3	110.0
N 160	FH - 3211	54.0	48.2	63.3	148.3	124.7
	DEH - 10103	50.5	47.8	61.7	131.0	121.0
	DEH - 10303	51.5	46.0	62.3	142.7	120.7
	DEH - 10503	37.3	54.4	63.0	145.3	123.0
	SURYA	41.7	46.2	62.0	135.3	119.7
	HIM - 129	40.5	56.9	61.3	134.7	118.7
	AMAR	36.5	47.1	63.0	135.0	123.3

Location mean	39.1	43.8	63.63	129.27	113.22
C.D.(5%) A B - A Bk	11.0	9.9	2.20	18.10	9.83
C.D.(5%) A Bk - A Bk	11.6	12.0	2.34	20.91	11.69
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

N 40	32.9	35.4	65.9	122.0	104.9
N 100	39.9	46.5	62.6	127.0	113.2
N 160	44.6	49.5	62.4	138.9	121.6

C.D.(5%) A - A j	5.8	7.9	1.2	12.9	7.6
C.V.(%) Error A	17.3	21.2	2.2	11.6	7.8
F(5%)	s	s	s	s	s

FH - 3211	43.2	42.8	64.0	141.3	115.3
DEH - 10103	40.2	43.0	62.8	124.8	116.4
DEH - 10303	43.6	45.3	63.8	127.8	114.1
DEH - 10503	38.6	47.3	64.3	134.2	112.6
SURYA	37.8	37.9	63.8	127.2	115.0
HIM - 129	37.2	50.1	62.4	127.4	108.8
AMAR	33.2	40.1	64.3	122.1	110.3

C.D.(5%) B - B j	6.3	5.7	1.3	10.5	5.7
C.V.(%) Error B	16.9	13.6	2.1	8.5	5.2
F(5%)	s	s	s	s	n.s.

A - 39

Table 15: Relative performance of pre-release germplasm of Extra Early Maturity group at Different levels of Nitrogen during Kharif 2005 in Zone V

Main Plot	Treatment	Grain Yield (kg/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	FH - 3211	4993	2681	2069	2352	3192
	SURYA	3407	1750	1472	1775	2776
	HIM - 129	3363	2231	2097	1698	2637
	AMAR	3467	2264	1956	1453	2571
N100	FH - 3211	5422	2833	3736	2558	3981
	SURYA	3837	2292	1882	2003	3770
	HIM - 129	4222	2505	2528	2002	3278
	AMAR	3837	2528	2333	1706	3581
N160	FH - 3211	5970	3347	4778	2598	3942
	SURYA	4000	2440	2250	2027	4026
	HIM - 129	4459	2808	3458	1803	3442
	AMAR	5037	2741	3236	1707	3642

Location mean	4335	2535	2650	1965	3403
C.D.(5%) A B A Bk	1119	529	343	320	311
C.D.(5%) A Bk-A Bk	1323	585	382	345	345
F(5%)	n.s.	n.s.	s	n.s.	n.s.

N40	3807	2231	1899	1795	2794
N100	4330	2539	2620	2068	3652
N160	4867	2833	3431	2034	3763

C.D.(5%) A A	919	372	244	207	221
C.V.(%) Error A	18.7	12.9	8.1	12.2	5.7
F(5%)	n.s.	s	s	s	s

FH - 3211	5482	2954	3528	2503	3705
SURYA	3748	2160	1868	1935	3524
HIM - 129	4015	2514	2694	1801	3118
AMAR	4114	2511	2508	1623	3265

C.D.(5%) B B	646	305	198	185	180
C.V.(%) Error B	15.0	12.2	7.6	11.2	5.3
F(5%)	s	s	s	s	s

Cont..

A - 40

Main Plot	Treatment	Plant Stand (000/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	FH - 3211	84.4	72.2	68.6	60.0	59.1
	SURYA	92.3	70.4	61.7	49.3	58.0
	HIM - 129	76.1	76.9	67.8	52.7	53.3
	AMAR	77.6	75.9	65.8	52.7	52.8
N100	FH - 3211	94.2	77.8	70.0	60.0	61.4
	SURYA	92.8	74.1	63.3	47.0	62.8
	HIM - 129	93.8	77.8	68.6	52.7	64.1
	AMAR	100.0	78.7	67.2	52.7	66.4
N160	FH - 3211	85.9	79.2	72.2	59.3	65.3
	SURYA	87.9	78.2	65.0	48.8	65.0
	HIM - 129	90.1	81.5	69.2	52.0	68.0
	AMAR	94.7	80.1	68.1	52.0	65.3

Location mean	89.2	76.9	67.3	53.3	61.8
C.D.(5%) AiBj-AiBk	14.1	5.4	5.4	5.7	5.0
C.D.(5%) AiBk-AjBk	13.5	5.5	6.3	6.5	5.2
F(5%)	n.s.	n.s.	n.s.	n.s.	s

N40	82.6	73.8	66.0	53.7	55.8
N100	95.2	77.1	67.3	53.1	63.7
N160	89.6	79.7	68.6	53.0	65.9

C.D.(5%) Ai-Aj	5.9	2.9	4.3	4.2	3.0
C.V.(%) Error A	5.9	3.4	5.7	9.2	4.2
F(5%)	s	s	n.s.	n.s.	s

FH - 3211	88.2	76.4	70.3	59.8	61.9
SURYA	91.0	74.2	63.3	48.4	61.9
HIM - 129	86.7	78.7	68.5	52.4	61.8
AMAR	90.8	78.2	67.0	52.4	61.5

C.D.(5%) Bi-Bj	8.2	3.1	3.1	3.3	2.9
C.V.(%) Error B	9.2	4.1	4.7	7.4	4.7
F(5%)	n.s.	s	s	s	n.s.

Cont...

A - 41

Main Plot	Treatment	No. of Cobs (000/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	FH - 3211	83.3	69.9	68.1	56.7	59.7
	SURYA	87.9	87.1	52.5	46.0	58.8
	HIM - 129	74.7	69.9	67.2	48.7	54.4
	AMAR	76.1	73.1	63.3	48.0	53.6
N100	FH - 3211	92.3	75.0	69.2	56.7	60.8
	SURYA	90.7	69.9	54.2	46.0	64.7
	HIM - 129	90.5	74.5	70.3	49.3	63.6
	AMAR	94.8	75.0	66.7	48.0	68.3
N160	FH - 3211	85.3	75.5	70.6	56.0	65.8
	SURYA	84.4	75.9	56.7	46.0	68.1
	HIM - 129	88.9	80.1	71.1	49.3	67.2
	AMAR	93.8	77.3	69.7	47.2	66.8

Location mean	86.9	73.6	65.0	49.7	62.5
C.D.(5%) AIBj-AjBk	12.9	7.0	5.4	5.2	4.5
C.D.(5%) AIBk-AjBk	13.4	6.8	5.6	5.7	5.9
F(5%)	n.s.	n.s.	n.s.	n.s.	s

N40	80.5	70.0	62.8	49.3	56.6
N100	92.1	73.6	65.1	50.0	64.3
N160	88.1	77.2	67.0	49.6	66.4

C.D.(5%) AI-Aj	7.5	3.2	3.3	3.6	4.5
C.V.(%) Error A	7.7	3.9	4.4	8.4	6.4
F(5%)	s	s	n.s.	n.s.	s

FH - 3211	87.0	73.5	69.3	56.4	62.1
SURYA	87.7	71.0	54.4	46.0	63.1
HIM - 129	84.7	74.8	69.5	49.1	61.7
AMAR	88.2	75.2	66.6	47.1	62.8

C.D.(5%) BI-Bj	7.5	4.0	3.1	3.0	2.6
C.V.(%) Error B	8.7	5.5	4.8	7.2	4.2
F(5%)	n.s.	n.s.	s	s	n.s.

Cont...

A - 42

Main Plot	Treatment	Days to 50% Silking					Barren Plants	
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara	Ambikapur	Udaipur
N40	FH - 3211	46.3	54.3	43.3	49.0	45.7	2.7	1.5
	SURYA	45.0	55.0	44.3	48.8	47.0	10.0	1.3
	HIM - 129	43.3	55.3	43.3	48.0	45.7	3.3	1.0
	AMAR	46.7	56.7	45.0	49.0	45.3	3.3	1.8
N100	FH - 3211	46.3	54.3	44.3	49.0	42.7	4.3	2.3
	SURYA	47.7	54.7	45.3	48.8	45.3	5.0	1.8
	HIM - 129	46.3	54.3	45.0	49.0	44.0	7.3	1.3
	AMAR	47.0	55.3	45.3	50.0	44.7	11.7	1.3
N160	FH - 3211	47.0	53.7	45.0	49.0	43.0	1.3	1.5
	SURYA	48.0	53.7	45.7	49.0	44.3	7.7	1.5
	HIM - 129	45.0	53.7	45.0	49.3	43.3	2.7	1.3
	AMAR	47.7	53.3	45.7	50.0	45.3	2.0	1.5

Location mean	46.4	54.5	44.8	49.1	44.7	5.1	1.5
C.D.(5%) AiBj-AiBk	1.7	1.2	1.0	3.7	1.5	7.0	0.8
C.D.(5%) AiBk-AjBk	1.7	1.1	1.2	4.6	1.7	8.3	0.7
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N40	45.3	55.3	44.0	48.7	45.9	4.8	1.4
N100	46.8	54.7	45.0	49.2	44.2	7.1	1.6
N160	46.9	53.6	45.3	49.3	44.0	3.4	1.4

C.D.(5%) Ai-Aj	0.8	0.3	0.8	3.4	1.1	5.8	0.3
C.V.(%) Error A	1.4	0.5	1.6	8.0	2.1	99.6	27.0
F(5%)	s	s	s	n.s.	s	n.s.	n.s.

FH - 3211	46.6	54.1	44.2	49.0	43.8	2.8	1.8
SURYA	46.9	54.4	45.1	48.8	45.6	7.6	1.5
HIM - 129	44.9	54.4	44.4	48.8	44.3	4.4	1.2
AMAR	47.1	55.1	45.3	49.7	45.1	5.7	1.5

C.D.(5%)Bi-Bj	1.0	0.7	0.6	2.1	0.9	4.1	0.4
C.V.(%)ErrorB	2.2	1.2	1.3	5.2	2.0	80.0	35.8
F(5%)	s	s	s	n.s.	s	n.s.	n.s.

Cont..

A - 43

Main Plot	Treatment	Plant Height (cm)					Fodder Yield (kg/ha)	PFSR affected Plants
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara	Godhra	Udaipur
N40	FH - 3211	201.7	128.7	116.7	171.8	151.7	3277.8	5.0
	SURYA	193.3	130.7	108.0	165.8	133.3	2333.3	5.0
	HIM - 129	191.0	116.3	112.7	174.8	143.3	3305.6	2.8
	AMAR	198.3	122.0	107.0	165.5	136.7	3111.1	4.8
N100	FH - 3211	215.3	129.0	133.7	178.8	165.0	5868.9	6.0
	SURYA	220.7	132.3	123.3	172.5	168.3	2972.2	5.3
	HIM - 129	217.0	122.3	118.3	183.0	165.0	3833.3	3.0
	AMAR	179.3	123.3	118.7	176.5	168.3	3611.1	4.0
N160	FH - 3211	211.7	145.7	137.3	180.5	168.7	7388.9	5.5
	SURYA	214.3	134.7	141.7	172.0	173.3	3611.1	6.0
	HIM - 129	211.3	125.3	120.3	179.3	163.3	5416.7	4.0
	AMAR	207.7	131.7	125.0	181.3	170.0	5000.0	3.0

Location mean	205.1	128.5	121.9	175.1	158.8	4145.8	4.5
C.D.(5%) AIBj-AIBk	36.7	15.7	14.2	20.2	10.2	518.2	1.6
C.D.(5%) AIBk-AjBk	37.4	17.9	13.6	21.5	10.6	661.4	1.6
F(5%)	n.s.	n.s.	n.s.	n.s.	s	s	n.s.

N40	196.1	124.4	111.1	169.4	141.3	3006.9	4.4
N100	208.1	126.8	123.5	177.7	166.7	4076.4	4.6
N160	211.3	134.3	131.1	178.3	168.3	5354.2	4.6

C.D.(5%) AI-Aj	20.2	11.8	6.0	12.7	5.9	494.5	0.8
C.V.(%) Error A	8.7	8.1	4.4	8.4	3.3	10.5	19.4
F(5%)	n.s.	n.s.	s	n.s.	s	s	n.s.

FH - 3211	209.6	134.4	129.2	177.0	161.1	5518.5	5.5
SURYA	209.4	132.6	124.3	170.1	158.3	2972.2	5.4
HIM - 129	206.4	121.3	117.1	179.0	157.2	4185.2	3.3
AMAR	195.1	125.7	116.9	174.4	158.3	3907.4	3.9

C.D.(5%) BI-Bj	21.2	9.1	8.2	11.7	5.9	299.2	0.9
C.V.(%) Error B	10.4	7.1	6.8	8.0	3.8	7.3	23.9
F(5%)	n.s.	s	s	n.s.	n.s.	s	s

A - 44

Table 16: Relative performance of pre-release germplasm of (QPM) Full Season group at different levels of Nitrogen during Kharif 2005 at different location.

Main Plot	Treatment	Grain Yield (kg/ha)									
		Bahraich	Dholi	Varanasi	Bajaura	Ludhiana	Karnal	Chhindwara	Kolhapur	Delhi	
N 60	SHAKTIMAN - 1	4271	3333	2356	3537	3528	3573	3756	1956	4444	
	SHAKTIMAN - 4	3660	3250	2533	3370	3308	3382	5133	1409	4356	
	HQPM - 1	4792	4900	2267	4440	4947	4108	5644	1458	4267	
	PRO - 311	5000	5005	2889	4763	5250	4280	6044	1520	3511	
N 120	SHAKTIMAN - 1	5868	4133	3422	5507	4097	4792	4089	2764	5156	
	SHAKTIMAN - 4	5521	3733	3111	6077	3867	4725	5889	2667	5200	
	HQPM - 1	6667	5533	3289	5940	5614	5600	6422	2562	4933	
	PRO - 311	7500	5033	4222	5107	5233	5612	6267	3047	4267	
N 180	SHAKTIMAN - 1	7569	4317	3733	7400	3894	5347	4867	3324	5333	
	SHAKTIMAN - 4	7708	3833	3867	7080	3739	5633	6289	3538	5422	
	HQPM - 1	8611	5750	3911	9260	6536	6828	6533	4267	5200	
	PRO - 311	8993	5783	4622	7727	6144	6925	6822	4498	4622	

Location mean	6347	4550	3352	5851	4680	5067	5646	2751	4726
C.D.(5%) AiBj-AiBk	717	283	965	740	843	323	826	562	999
C.D.(5%) AiBk-AjBk	643	272	1833	654	956	394	1121	648	1245
F(5%)	n.s.	s	n.s.	s	n.s.	s	n.s.	s	n.s.

N 60	4431	4122	2511	4028	4258	3836	5144	1586	4144
N 120	6389	4608	3511	5658	4703	5182	5667	2760	4889
N 180	8220	4921	4033	7867	5078	6183	6128	3907	5144

C.D.(5%) Ai-Aj	170	118	1647	133	631	282	878	437	912
C.V.(%) Error A	2.4	3.0	43.4	2.01	11.9	4.91	13.72	14.01	17.0
F(5%)	s	s	n.s.	s	n.s.	s	n.s.	s	n.s.

SHAKTIMAN - 1	5903	3928	3170	5481	3840	4571	4237	2681	4978
SHAKTIMAN - 4	5630	3606	3170	5509	3638	4580	5770	2538	4993
HQPM - 1	6690	5394	3156	6547	5699	5512	6200	2762	4800
PRO - 311	7164	5274	3911	5866	5543	5606	6378	3021	4133

C.D.(5%) Bi-Bj	414	164	557	427	486	187	477	324	577
C.V.(%) Error B	6.6	4.3	16.8	7.37	10.5	3.72	8.52	11.91	12.3
F(5%)	s	s	s	s	s	s	s	s	s

Cont...

A - 45

Main Plot	Treatment	Plant Stand (000/ha)								
		Bahraich	Dholi	Varanasi	Bajaura	Ludhiana	Kamal	Chhindwara	Koihapur	Delhi
N 60	SHAKTIMAN - 1	72.9	45.8	57.8	77.9	71.9	54.0	64.8	61.8	63.6
	SHAKTIMAN - 4	74.3	32.5	59.6	66.4	58.6	53.3	52.6	55.6	62.2
	HQPM - 1	74.3	47.7	66.2	79.5	76.4	53.3	61.9	62.0	62.7
	PRO - 311	75.7	48.0	62.2	82.0	77.5	53.7	56.7	61.8	62.7
N 120	SHAKTIMAN - 1	76.4	49.7	58.2	78.3	79.2	53.3	64.8	60.4	64.0
	SHAKTIMAN - 4	77.1	32.7	64.0	75.3	55.8	52.3	64.4	54.0	65.8
	HQPM - 1	76.4	47.8	64.9	82.2	79.7	52.7	62.6	60.0	64.0
	PRO - 311	77.1	48.7	62.2	79.0	82.5	53.0	62.6	62.9	64.0
N 180	SHAKTIMAN - 1	77.1	50.0	58.2	79.0	76.7	53.0	65.6	61.8	65.8
	SHAKTIMAN - 4	75.7	32.3	61.3	75.0	60.6	53.3	64.6	58.0	65.8
	HQPM - 1	75.0	48.8	63.1	78.0	76.9	54.0	64.1	62.2	66.7
	PRO - 311	77.8	51.5	59.1	81.4	78.1	52.7	66.3	62.2	64.0

Location mean	75.8	44.6	61.4	77.8	72.8	53.2	62.6	60.2	64.3
C.D.(5%) A B A Bk	3.8	2.9	4.9	7.5	5.3	1.9	5.8	4.5	4.8
C.D.(5%) A Bk-A Bk	3.6	2.7	5.1	7.1	6.7	1.9	5.7	4.6	4.5
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	s	n.s.	n.s.

N 60	74.3	43.5	61.4	76.4	71.1	53.6	59.0	60.2	62.8
N 120	76.7	44.7	62.3	78.7	74.3	52.8	63.6	59.3	64.4
N 180	76.4	45.7	60.4	78.4	73.1	53.3	65.2	61.1	65.6

C.D.(5%) A A j	1.3	1.1	2.9	3.0	4.9	0.9	2.7	2.6	2.0
C.V.(%) Error A	1.6	2.9	4.2	3.4	6.0	1.6	3.9	3.8	2.7
F(5%)	s	s	n.s.	n.s.	n.s.	n.s.	s	n.s.	s

SHAKTIMAN - 1	75.5	48.5	58.1	76.4	75.9	53.4	65.1	61.3	64.4
SHAKTIMAN - 4	75.7	32.5	61.6	72.3	58.3	53.0	60.6	55.9	64.6
HQPM - 1	75.2	48.1	64.7	79.9	77.7	53.3	62.8	61.4	64.4
PRO - 311	76.9	49.4	61.2	80.8	79.4	53.1	61.9	62.3	63.6

C.D.(5%) B B j	2.2	1.7	2.8	4.3	3.1	1.1	3.3	2.6	2.7
C.V.(%) Error B	2.9	4.5	4.7	5.6	4.2	2.1	5.4	4.4	4.3
F(5%)	n.s.	s	s	s	s	n.s.	n.s.	s	n.s.

Cont..

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Main Plot	Treatment	No. of Cobs (000/ha)							
		Bahraich	Dholi	Varanasi	Bajaura	Ludhiana	Chhindwara	Kolhapur	Delhi
N 60	SHAKTIMAN - 1	75.0	47.2	56.0	72.5	72.2	55.6	49.3	60.4
	SHAKTIMAN - 4	77.8	32.5	58.7	64.4	57.8	48.9	31.8	59.1
	HQPM - 1	76.4	49.5	65.8	71.6	76.9	53.7	29.8	61.8
	PRO - 311	76.4	50.5	60.4	79.7	79.7	48.9	54.7	59.6
N 120	SHAKTIMAN - 1	77.8	50.8	56.9	74.8	76.7	59.3	52.7	61.3
	SHAKTIMAN - 4	78.5	34.8	63.1	72.9	59.2	66.3	42.2	62.7
	HQPM - 1	76.4	50.8	64.9	79.7	80.8	56.7	44.9	62.7
	PRO - 311	77.1	50.3	62.7	77.3	82.8	57.4	60.4	61.3
N 180	SHAKTIMAN - 1	76.4	51.5	57.8	75.8	74.4	62.2	59.3	63.1
	SHAKTIMAN - 4	76.4	33.8	60.0	70.8	60.6	66.7	42.7	62.7
	HQPM - 1	76.4	50.0	59.6	80.0	75.0	60.4	63.1	64.4
	PRO - 311	79.2	53.3	59.1	79.0	77.8	69.6	70.7	61.3

Location mean	77.0	46.3	60.4	74.9	72.8	58.8	50.1	61.7
C.D.(5%) AiBj-AiBk	2.9	4.3	5.2	7.2	5.4	6.6	5.7	7.0
C.D.(5%) AiBk-AjBk	2.7	4.7	5.7	7.0	5.7	7.5	11.0	6.5
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	s	s	n.s.

N 60	76.4	44.9	60.2	72.1	71.7	51.8	41.4	60.2
N 120	77.4	46.7	61.9	76.2	74.9	59.9	50.1	62.0
N 180	77.1	47.2	59.1	76.4	71.9	64.7	58.9	62.9

C.D.(5%) Ai-Aj	1.0	2.9	3.5	3.3	3.3	5.0	10.0	2.6
C.V.(%) Error A	1.2	7.2	5.2	3.9	4.0	7.5	17.6	3.7
F(5%)	n.s.	n.s.	n.s.	s	n.s.	s	s	n.s.

SHAKTIMAN - 1	76.4	49.8	56.9	74.4	74.4	59.0	53.8	61.6
SHAKTIMAN - 4	77.5	33.7	60.6	69.4	59.2	60.6	38.9	61.5
HQPM - 1	76.4	50.1	63.4	77.1	77.6	58.9	45.9	63.0
PRO - 311	77.5	51.4	60.7	78.7	80.1	58.6	61.9	60.7

C.D.(5%)Bi-Bj	1.7	2.5	3.0	4.1	3.1	3.8	3.3	4.0
C.V.(%)ErrorB	2.2	6.3	5.0	5.6	4.4	6.5	6.6	6.6
F(5%)	n.s.	s	s	s	s	n.s.	s	n.s.

Cont...

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Main Plot	Treatment	Days to 50% Silking					
		Bahraich	Dholi	Varanasi	Ludhiana	Chhindwara	Kolhapur
N 60	SHAKTIMAN - 1	58.3	55.0	59.3	62.3	54.7	64.3
	SHAKTIMAN - 4	58.0	54.3	58.0	64.0	54.7	67.7
	HQPM - 1	58.0	54.8	61.0	61.3	59.3	68.0
	PRO - 311	58.0	53.5	58.0	61.3	59.3	64.7
N 120	SHAKTIMAN - 1	57.0	54.0	56.7	60.7	55.3	65.7
	SHAKTIMAN - 4	58.3	53.8	58.3	62.3	57.3	65.3
	HQPM - 1	57.7	53.8	58.0	59.7	59.0	64.7
	PRO - 311	58.7	53.8	58.7	60.0	59.0	63.0
N 180	SHAKTIMAN - 1	59.7	54.0	57.0	59.7	57.0	63.7
	SHAKTIMAN - 4	57.7	54.8	56.7	58.7	58.7	65.7
	HQPM - 1	58.3	54.3	57.7	58.3	58.7	63.0
	PRO - 311	57.3	53.0	57.7	59.0	55.3	61.3

Location mean	58.1	54.1	58.1	60.6	57.4	64.8
C.D.(5%) AIBj-AIBk	0.9	1.9	2.2	3.5	1.8	3.7
C.D.(5%) AIBk-AjBk	0.9	3.0	3.8	3.9	2.0	5.1
F(5%)	s	n.s.	n.s.	n.s.	s	n.s.

N 60	58.1	54.4	59.1	62.3	57.0	66.2
N 120	57.9	53.8	57.9	60.7	57.7	64.7
N 180	58.3	54.0	57.3	58.9	57.4	63.4

C.D.(5%) AI-Aj	0.3	2.6	3.3	2.4	1.2	4.0
C.V.(%) Error A	0.5	5.5	5.0	3.5	1.8	5.5
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.

SHAKTIMAN - 1	58.3	54.3	57.7	60.9	55.7	64.6
SHAKTIMAN - 4	58.0	54.3	57.7	61.7	56.9	66.2
HQPM - 1	58.0	54.3	58.9	59.8	59.0	65.2
PRO - 311	58.0	53.4	58.1	60.1	57.9	63.0

C.D.(5%) BI-Bj	0.5	1.1	1.2	2.0	1.1	2.2
C.V.(%) Error B	1.0	2.4	2.2	3.4	1.9	3.4
F(5%)	n.s.	n.s.	n.s.	n.s.	s	s

Cont..

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Main Plot	Treatment	Plant Height (cm)							
		Bahraich	Dholi	Varanasi	Bajaura	Ludhiana	Chhindwara	Kolhapur	Delhi
N 60	SHAKTIMAN - 1	163.3	157.1	220.3	153.7	151.7	179.0	122.0	139.3
	SHAKTIMAN - 4	156.7	179.1	233.7	166.3	155.0	168.7	112.3	147.3
	HQPM - 1	161.7	153.7	228.7	154.3	156.7	163.0	127.3	151.3
	PRO - 311	156.7	160.0	223.7	166.0	161.7	171.3	125.7	133.7
N 120	SHAKTIMAN - 1	180.0	158.7	224.0	190.3	170.0	186.3	137.7	148.7
	SHAKTIMAN - 4	181.7	183.6	226.7	186.0	170.0	172.7	138.3	155.3
	HQPM - 1	181.7	157.9	229.0	184.0	166.7	177.3	152.7	160.0
	PRO - 311	183.3	159.6	232.7	200.7	173.3	178.0	150.3	144.3
N 180	SHAKTIMAN - 1	195.0	156.2	233.7	203.7	180.0	193.3	136.7	155.0
	SHAKTIMAN - 4	200.0	173.9	243.7	193.0	180.0	179.0	141.7	161.3
	HQPM - 1	200.0	160.2	234.7	194.0	180.0	179.3	149.3	168.3
	PRO - 311	205.0	163.7	237.3	192.3	185.0	188.0	147.0	151.3

Location mean	180.4	163.6	230.7	182.0	169.2	178.0	136.8	151.3
C.D.(5%) AiBj-AiBk	6.8	10.2	16.1	27.1	9.3	14.6	7.6	4.1
C.D.(5%) AiBk-AjBk	9.6	11.3	17.1	27.0	9.7	15.7	7.3	4.5
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	159.6	162.5	226.6	160.1	156.3	170.5	121.8	142.9
N 120	181.7	164.9	228.1	190.3	170.0	178.6	144.8	152.1
N 180	200.0	163.5	237.3	195.8	181.3	184.9	143.7	159.0

C.D.(5%) Ai-Aj	7.7	7.1	10.1	13.6	5.5	9.5	3.2	2.9
C.V.(%) Error A	3.8	5.0	3.9	6.6	2.9	4.7	2.1	1.7
F(5%)	s	n.s.	n.s.	s	s	s	s	s

SHAKTIMAN - 1	179.4	157.3	226.0	182.6	167.2	186.2	132.1	147.7
SHAKTIMAN - 4	179.4	178.9	234.7	181.8	168.3	173.4	130.8	154.7
HQPM - 1	181.1	157.3	230.8	177.4	167.8	173.2	143.1	159.9
PRO - 311	181.7	161.1	231.2	186.3	173.3	179.1	141.0	143.1

C.D.(5%)Bi-Bj	3.9	5.9	9.3	15.7	5.4	8.4	4.4	2.3
C.V.(%)ErrorB	2.2	4.3	4.1	8.7	3.2	4.8	3.2	1.6
F(5%)	n.s.	s	n.s.	n.s.	n.s.	s	s	s

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Main Plot	Treatment	Barren Plant		Days of 50% Dry Husk	Moisture %	Stover wt. (kg/ha)
		Varanasi	Bajaurā	Karnal	Karnal	Delhi
N 60	SHAKTIMAN - 1	1.3	6.7	82.3	16.3	5778
	SHAKTIMAN - 4	0.7	8.9	83.3	15.8	6000
	HQPM - 1	0.3	9.9	84.3	15.8	5956
	PRO - 311	1.3	2.7	84.3	16.0	5956
N 120	SHAKTIMAN - 1	1.0	4.4	83.0	16.7	7467
	SHAKTIMAN - 4	0.7	3.2	84.0	16.7	7600
	HQPM - 1	0.0	3.0	84.7	15.8	7378
	PRO - 311	0.0	2.2	83.7	16.0	7156
N 180	SHAKTIMAN - 1	0.3	4.1	83.0	16.0	8000
	SHAKTIMAN - 4	1.0	2.4	83.7	16.0	8400
	HQPM - 1	0.0	2.1	84.7	16.2	8267
	PRO - 311	0.0	2.5	84.0	16.7	8133

Location mean	0.6	4.3	83.8	16.2	7174
C.D.(5%) AiBj-AiBk	1.0	3.5	0.8	0.4	563
C.D.(5%) AiBk-AjBk	1.1	3.1	1.0	0.4	524
F(5%)	n.s.	n.s.	n.s.	s	n.s.

N 60	0.9	7.1	83.6	16.0	5922
N 120	0.4	3.2	83.8	16.3	7400
N 180	0.3	2.8	83.8	16.2	8200

C.D.(5%) Ai-Aj	0.6	0.8	0.8	0.3	197
C.V.(%) Error A	101.7	16.9	0.8	1.4	2.4
F(5%)	n.s.	s	n.s.	n.s.	s

SHAKTIMAN - 1	0.9	5.1	82.8	16.3	7081
SHAKTIMAN - 4	0.8	4.8	83.7	16.2	7333
HQPM - 1	0.1	5.0	84.6	15.9	7200
PRO - 311	0.4	2.5	84.0	16.2	7081

C.D.(5%)Bi-Bj	0.6	2.0	0.5	0.2	325
C.V.(%)ErrorB	103.9	46.4	0.6	1.5	4.6
F(5%)	s	s	s	s	n.s.

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Table 17: Relative performance of pre-release germplasm of (QPM) Early Maturity group at different levels of Nitrogen during Kharif 2005 at different location.

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)	
		Bajaura	Kolhapur	Almora	Bajaura	Kolhapur
N 60	FQH - 4567	4543	5133	4691	80.9	63.1
	VIVEK - 9	4750	4022	4611	75.1	63.3
	HIM - 129	4997	3178	3951	79.6	62.2
N 100	FQH - 4567	6873	5333	5278	74.8	61.3
	VIVEK - 9	6477	4267	5278	72.4	61.8
	HIM - 129	6083	3511	4907	76.9	62.2
N 160	FQH - 4567	7790	5889	5895	77.8	62.4
	VIVEK - 9	7797	4422	5864	74.8	61.6
	HIM - 129	6787	3978	4938	77.1	62.0

Location mean	6233	4415	5046	76.6	62.2
C.D.(5%) AiBj-AiBk	636	838	600	11.9	2.3
C.D.(5%) AiBk-AjBk	779	723	669	11.2	2.1
F(5%)	s	n.s.	n.s.	n.s.	n.s.

N 60	4763	4111	4418	78.5	62.9
N 100	6478	4370	5154	74.7	61.8
N 160	7458	4763	5566	76.6	62.0

C.D.(5%) Ai-Aj	588	240	463	5.6	1.0
C.V.(%) Error A	720.5	4.2	7.0	5.6	1.2
F(5%)	s	s	s	n.s.	n.s.

FQH - 4567	6402	5452	5288	77.8	62.3
VIVEK - 9	6341	4237	5251	74.1	62.2
HIM - 129	5956	3556	4599	77.9	62.1

C.D.(5%)Bi-Bj	367	484	347	6.9	1.3
C.V.(%)ErrorB	573.5	10.7	6.7	8.7	2.1
F(5%)	s	s	s	n.s.	n.s.

Cont..

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Main Plot	Treatment	No. of Cobs (000/ha)		Days to 50% Silking	Plant Height (cm)		
		Bajaura	Kolhapur		Bajaura	Kolhapur	Almora
N 60	FQH - 4567	76.2	57.3	54.0	155.3	116.0	204.7
	VIVEK - 9	72.6	62.4	55.0	157.7	113.0	196.0
	HIM - 129	77.8	59.8	51.7	149.0	102.3	183.3
N 100	FQH - 4567	73.3	65.1	53.7	176.7	113.0	206.3
	VIVEK - 9	68.6	63.6	54.0	170.0	118.7	199.3
	HIM - 129	74.0	66.0	52.0	163.3	105.3	196.3
N 160	FQH - 4567	75.0	60.9	54.0	177.7	117.3	216.3
	VIVEK - 9	72.8	63.1	53.3	185.3	119.0	209.0
	HIM - 129	74.1	66.7	50.3	178.0	115.3	214.3

Location mean	73.8	62.8	53.1	168.1	113.3	202.9
C.D.(5%) AIBj-AIBk	12.5	11.4	2.3	18.8	11.8	17.8
C.D.(5%) AIBk-AjBk	11.8	9.9	1.9	19.8	14.6	16.8
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	75.5	59.9	53.6	154.0	110.4	194.7
N 100	72.0	64.9	53.2	170.0	112.3	200.7
N 160	74.0	63.6	52.6	180.3	117.2	213.2

C.D.(5%) AI-Aj	6.0	3.5	0.5	12.8	11.0	8.6
C.V.(%) Error A	6.2	4.3	0.8	5.8	7.4	3.2
F(5%)	n.s.	s	s	s	n.s.	s

FQH - 4567	74.8	61.1	53.9	169.9	115.4	209.1
VIVEK - 9	71.3	63.0	54.1	171.0	116.9	201.4
HIM - 129	75.3	64.1	51.3	163.4	107.7	198.0

C.D.(5%) Bi-Bj	7.2	6.6	1.3	10.8	6.8	10.3
C.V.(%) Error B	9.5	10.2	2.4	6.3	5.9	4.9
F(5%)	n.s.	n.s.	s	n.s.	s	n.s.

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Main Plot	Treatment	Cob Length (cm)	Cob Diameter (cm)	Test Weight 1000 Grain (g)	Barren Plant
		Almora	Almora	Almora	Bajaura
N 60	FQH - 4567	11.3	13.8	232.0	8.0
	VIVEK - 9	11.2	13.7	232.5	2.5
	HIM - 129	9.8	12.5	229.0	2.8
N 100	FQH - 4567	11.4	14.0	235.2	1.2
	VIVEK - 9	11.4	13.9	234.8	3.5
	HIM - 129	10.9	12.7	231.8	3.6
N 160	FQH - 4567	11.8	15.1	232.0	1.9
	VIVEK - 9	11.4	14.9	233.0	2.8
	HIM - 129	11.1	12.7	230.8	1.0

Location mean	11.1	13.7	232.3	3.1
C.D.(5%) AiBj-AiBk	0.9	0.6	4.1	2.8
C.D.(5%) AiBk-AjBk	1.0	0.8	6.1	2.8
F(5%)	n.s.	s	n.s.	s

N 60	10.8	13.4	231.2	4.5
N 100	11.2	13.5	233.9	2.8
N 160	11.4	14.2	231.9	1.9

C.D.(5%) Ai-Aj	0.7	0.7	5.1	1.7
C.V.(%) Error A	4.6	3.9	1.7	43.3
F(5%)	n.s.	n.s.	n.s.	s

FQH - 4567	11.5	14.3	233.1	3.7
VIVEK - 9	11.3	14.2	233.4	2.9
HIM - 129	10.6	12.6	230.5	2.5

C.D.(5%)Bi-Bj	0.5	0.3	2.4	1.6
C.V.(%)ErrorB	4.6	2.4	1.0	51.2
F(5%)	s	s	s	n.s.

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Table 18: Relative performance of pre-release genoplasm of Medium Maturity at different levels of Nitrogen during Kharif 2008 at Srinagar.

Main Plot	Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking	Barren Plants
N 60	PMZ - 131	4589	61.4	61.5	204.3	70.3	3.1
	ZMH - 2021	5931	61.6	63.9	200.7	71.0	2.7
	ZMH - 2027	5606	62.7	66.8	199.7	71.3	2.8
	NAVJOT	4492	71.1	65.2	199.0	71.8	2.0
	KH - 510	4318	65.7	64.0	201.0	72.3	1.8
N 120	PMZ - 131	4464	70.8	62.2	204.3	73.8	3.1
	ZMH - 2021	5804	68.8	61.7	206.7	73.5	2.8
	ZMH - 2027	5510	64.6	64.2	205.3	74.6	2.7
	NAVJOT	4265	65.4	65.5	206.7	74.0	2.2
	KH - 510	4264	64.2	66.2	206.3	74.7	2.2
N 180	PMZ - 131	4197	66.2	61.7	206.0	73.7	2.0
	ZMH - 2021	5544	64.8	62.3	206.0	73.3	2.6
	ZMH - 2027	5039	64.6	63.0	212.0	74.7	2.6
	NAVJOT	3953	65.7	63.1	210.3	75.2	3.0
	KH - 510	4015	66.0	64.9	208.7	75.3	3.0

Location mean	4798	65.6	63.7	205.3	73.3	2.6
C.D.(5%) AIBj-AIBk	260	1.6	1.7	4.4	0.9	0.6
C.D.(5%) AIBk-AjBk	235	1.7	1.7	5.3	1.6	0.7
F(5%)	n.s.	s	s	n.s.	n.s.	s

N 60	4983	64.5	64.3	200.9	71.4	2.5
N 120	4861	66.8	64.0	205.9	74.1	2.6
N 180	4550	65.4	63.0	209.0	74.4	2.6

C.D.(5%) AI-Aj	34	1.1	0.9	3.6	1.4	0.5
C.V.(%) Error A	0.7	1.6	1.4	1.7	1.8	17.7
F(5%)	s	s	s	s	s	n.s.

PMZ - 131	4410	66.1	61.8	204.9	72.6	2.7
ZMH - 2021	5760	65.1	62.6	205.1	72.6	2.7
ZMH - 2027	5385	64.0	64.7	205.7	73.5	2.7
NAVJOT	4237	67.4	64.8	205.3	73.7	2.4
KH - 510	4199	65.3	65.0	205.3	74.1	2.3

C.D.(5%) BI-Bj	150	0.9	1.0	2.5	0.5	0.3
C.V.(%) Error B	3.2	1.4	1.6	1.3	0.7	12.9
F(5%)	s	s	s	n.s.	s	n.s.

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Table 19: Relative Performance of pre-release HQPM single hybrids at different levels of fertility at Karnal.

Main Plot	Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	Days of 50% Dry Husk	Moisture %
0-0-0	HQPM-1	2728	52.3	88.0	16.8
	HQPM-5	2963	53.0	88.7	16.0
	HQPM-7	1777	53.3	87.7	16.5
	HQPM-3	1840	53.7	84.0	16.5
100-40-40	HQPM-1	4852	52.7	88.0	16.7
	HQPM-5	4987	53.3	87.7	16.2
	HQPM-7	3983	52.7	87.7	16.0
	HQPM-3	4007	52.0	84.0	16.3
150-60-60	HQPM-1	5898	53.0	88.3	16.5
	HQPM-5	5848	53.0	88.3	16.0
	HQPM-7	5220	53.7	88.0	16.0
	HQPM-3	5082	52.7	85.0	16.7
200-80-80	HQPM-1	6262	52.7	88.3	16.5
	HQPM-5	6448	53.0	88.3	16.7
	HQPM-7	5328	52.3	88.0	16.2
	HQPM-3	5310	52.0	85.0	16.0

Location mean	4520.8	52.8	87.2	16.3
C.D.(5%) AiBj-AiBk	258.3	1.5	1.1	0.6
C.D.(5%) AiBk-AjBk	343.0	1.6	1.5	0.7
F(5%)	n.s.	n.s.	n.s.	n.s.

0-0-0	2327	53.1	87.1	16.5
100-40-40	4457	52.7	86.8	16.3
150-60-60	5462	53.1	87.4	16.3
200-80-80	5837	52.5	87.4	16.3

C.D.(5%) Ai-Aj	261.6	0.8	1.1	0.5
C.V.(%) Error A	5.8	1.6	1.2	3.1
F(5%)	s	n.s.	n.s.	n.s.

HQPM-1	4885	52.7	88.2	16.6
HQPM-5	5062	53.1	88.3	16.2
HQPM-7	4077	53.0	87.8	16.2
HQPM-3	4060	52.6	84.5	16.4

C.D.(5%)Bi-Bj	129.2	0.8	0.6	0.3
C.V.(%)ErrorB	3.4	1.7	0.8	2.3
F(5%)	s	n.s.	s	s

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Table 20: Date of sowing X Genotype (Inbreds) at Karnal.

Main Plot	Treatment	Seed Yield (kg/ha)
29.08.05	HKI-193-1	2643
	HKI-163	2763
	HKI-1105	2903
	HKI-323	2763
14.07.05	HKI-193-1	2133
	HKI-163	2247
	HKI-1105	2113
	HKI-323	1785
29.07.05	HKI-193-1	577
	HKI-163	623
	HKI-1105	660
	HKI-323	540

Location mean 1813
 C.D.(5%) A|B|A|Bk 157
 C.D.(5%) A|Bk-A|Bk 161
 F(5%) s

29.08.05	2768
14.07.05	2070
29.07.05	600

C.D.(5%) A|A| 88
 C.V.(%) Error A 4.3
 F(5%) s

HKI-193-1	1784
HKI-163	1878
HKI-1105	1892
HKI-323	1696

C.D.(5%) B|B| 90
 C.V.(%) Error B 5.0
 F(5%) s

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Table 21: Effect of plant spacing and genotypes (Inbreds) at Karnal.

Main Plot	Treatment	Seed Yield (kg/ha)
60 x 15	HKI-193-1	2973
	HKI-163	3137
	HKI-170	2738
	HKI-161	2612
60 x 20	HKI-193-1	2755
	HKI-163	2995
	HKI-170	2567
	HKI-161	2472
75 x 15	HKI-193-1	2598
	HKI-163	2595
	HKI-170	2393
	HKI-161	2298
75 x 20	HKI-193-1	2385
	HKI-163	2523
	HKI-170	2225
	HKI-161	2098

Location mean	2585
C.D.(5%) AiBj-AiBk	111
C.D.(5%) AiBk-AjBk	115
F(5%)	n.s.

60 x 15	2865
60 x 20	2697
75 x 15	2471
75 x 20	2308

C.D.(5%) Ai-Aj	64
C.V.(%) Error A	2.5
F(5%)	s

HKI-193-1	2678
HKI-163	2813
HKI-170	2481
HKI-161	2370

C.D.(5%)Bi-Bj	55
C.V.(%)ErrorB	2.5
F(5%)	s

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Table 22: Effect of nitrogen levels on the performance of maize genotypes at Ludhiana.

Main Plot	Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
N 60	JKMH 82	4019	68.8	68.1	55.7	133.3
	JKMH 1701	4813	63.4	62.5	56.7	146.7
	Suvarna NMH 589	3553	59.0	62.3	59.7	151.7
	JH 3459	4493	66.2	69.0	56.0	141.7
	PMH-1	4867	64.1	66.0	56.7	150.0
	PMH-2	5271	55.3	58.0	60.0	168.3
N 120	JKMH 82	5102	67.6	67.4	53.7	148.3
	JKMH 1701	5144	65.5	64.6	55.3	160.0
	Suvarna NMH 589	4150	62.0	60.9	57.7	160.0
	JH 3459	5771	61.8	64.6	54.0	153.3
	PMH-1	6181	64.4	70.1	54.0	161.7
	PMH-2	6502	53.9	54.4	59.0	165.0
N 180	JKMH 82	5546	68.5	69.0	52.7	160.0
	JKMH 1701	5970	63.9	65.0	55.0	170.0
	Suvarna NMH 589	5301	62.3	62.5	56.7	171.7
	JH 3459	5996	61.1	66.7	53.3	166.7
	PMH-1	6502	65.0	68.3	54.3	173.3
	PMH-2	7551	59.0	58.1	58.3	193.3

Location mean	5375	62.9	64.2	56.0	159.7
C.D.(5%) AIBj-AIBk	758	5.6	5.7	1.5	17.8
C.D.(5%) AIBk-AjBk	741	7.0	7.9	1.8	19.0
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	4506	62.8	64.0	57.4	148.6
N 120	5475	62.5	63.7	56.6	158.1
N 180	6145	63.3	64.9	55.1	172.5

C.D.(5%) Ai-Aj	275	4.9	6.0	1.2	10.1
C.V.(%) Error A	5.5	8.5	10.1	2.2	6.8
F(5%)	s	n.s.	n.s.	s	s

JKMH 82	4889	68.3	68.1	54.0	147.2
JKMH 1701	5309	64.3	64.0	55.7	158.9
Suvarna NMH 589	4335	61.1	61.9	58.0	161.1
JH 3459	5421	63.0	66.7	54.4	153.9
PMH-1	5856	64.5	68.1	55.0	161.7
PMH-2	6441	56.1	56.2	59.1	175.6

C.D.(5%) BI-Bj	438	3.2	3.3	0.9	10.3
C.V.(%) Error B	8.5	5.3	5.3	1.6	6.7
F(5%)	s	s	s	s	s

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Table 23: Effect of sowing date on the performance of maize genotype at Ludhiana

Main Plot	Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)
25-May	JH 3851	7485	64.7	69.2	163.3
	JH 3459	6415	65.8	65.8	156.7
	QPM 41	7429	66.1	70.0	171.7
	QPM 159	6275	67.5	66.9	188.3
	Sweetcorn JC-1	2692	65.5	63.6	193.3
	Madhuri	2552	54.6	66.4	148.3
15-Jun	JH 3851	8305	74.2	74.5	170.0
	JH 3459	6443	70.3	72.0	165.0
	QPM 41	7613	68.1	65.3	176.7
	QPM 159	6829	68.1	69.7	181.7
	Sweetcorn JC-1	2947	61.3	60.2	200.0
	Madhuri	2443	54.6	58.8	158.3
5-Jul	JH 3851	6868	74.8	72.8	175.0
	JH 3459	5994	65.5	70.0	166.7
	QPM 41	5874	65.0	61.3	190.0
	QPM 159	4218	60.2	62.7	176.7
	Sweetcorn JC-1	3008	59.7	56.0	193.3
	Madhuri	1972	60.2	59.9	150.0

Location mean	5298	64.8	65.9	173.6
C.D.(5%) AiBj-AiBk	656	5.4	6.7	8.4
C.D.(5%) AiBk-AjBk	700	7.9	8.6	8.6
F(5%)	s	s	s	s

25-May	5474	64.1	67.0	170.3
15-Jun	5763	66.1	66.8	175.3
5-Jul	4656	64.2	63.8	175.3

C.D.(5%) Ai-Aj	373	6.4	6.1	4.0
C.V.(%) Error A	7.6	10.6	10.0	2.5
F(5%)	s	n.s.	n.s.	s

JH 3851	7553	71.2	72.2	169.4
JH 3459	6284	67.2	69.3	162.8
QPM 41	6972	66.4	65.5	179.4
QPM 159	5774	65.3	66.5	182.2
Sweetcorn JC-1	2882	62.2	59.9	195.6
Madhuri	2322	56.5	61.7	152.2

C.D.(5%)Bi-Bj	379	3.1	3.9	4.9
C.V.(%)ErrorB	7.4	5.0	6.1	2.9
F(5%)	s	s	s	s

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Table 24: Effect of nitrogen levels and plant spacing on the performance of inbred lines at Ludhiana

Nitrogen	Spacing	Germplasm	Grain Yield (kg/ha)	Plant Stand	No. of Cobs	Days of 50% Silking	Plant height (cm)
N 60	80 x 20	LM 13	2027	61111.1	56888.9	70.7	116.7
	80 x 20	LM 14	2084	61111.1	55333.3	74.0	100.0
	80 x 20	LM 15	1547	63777.8	72666.7	61.3	90.0
	80 x 20	LM 16	1867	65111.1	74222.2	65.3	85.0
	80 x 15	LM 13	2171	81111.1	77333.3	71.3	116.7
	80 x 15	LM 14	2231	82666.7	78888.9	75.0	106.7
	80 x 15	LM 15	1464	84666.7	89333.3	60.3	98.3
	80 x 15	LM 16	2058	86666.7	74666.7	64.3	86.7
N 120	80 x 20	LM 13	2409	60444.4	58888.9	69.7	133.3
	80 x 20	LM 14	2307	63111.1	58000.0	73.3	118.3
	80 x 20	LM 15	1800	59777.8	66000.0	59.3	105.0
	80 x 20	LM 16	2424	62222.2	67111.1	63.7	101.7
	80 x 15	LM 13	2349	86222.2	60000.0	70.7	135.0
	80 x 15	LM 14	2427	87333.3	63333.3	76.0	123.3
	80 x 15	LM 15	1940	84444.4	90000.0	59.3	110.0
	80 x 15	LM 16	2416	87333.3	90444.5	63.0	110.0
N 180	80 x 20	LM 13	2847	60666.7	61111.1	67.7	146.7
	80 x 20	LM 14	2638	64444.4	59111.1	73.0	136.7
	80 x 20	LM 15	1900	64888.9	72000.0	58.0	115.0
	80 x 20	LM 16	2438	64666.6	78444.4	61.7	116.7
	80 x 15	LM 13	2993	88888.9	64888.9	69.0	150.0
	80 x 15	LM 14	2820	87333.3	62666.7	73.0	133.3
	80 x 15	LM 15	2078	88222.2	92888.9	58.0	126.7
	80 x 15	LM 16	2893	89111.1	91333.4	62.0	121.7

C.V. (%)	11.7	4.1	4.8	1.7	6.8
CD (p=0.05)N	285.5	2488.6	3486.8	ns	ns
S	163.4	ns	2076.2	ns	ns
NxS	283.0	2996.8	3596.1	ns	ns
V	171.7	1973.8	2244.9	ns	ns
NxV	297.4	3418.7	3888.4	ns	9.0
SxV	242.8	2791.3	3174.8	ns	7.3
NxSxV	420.6	4834.7	5499.0	ns	12.7

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Table 25: Effect of split application of nitrogen on productivity of newly released maize cultivars under rainfed conditions at Godhra.

Treatment	Grain Yield (kg/ha)	Fodder Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking
T ₁ × F ₁	3736	5694	66.9	62.5	128.0	47.7
T ₂ × F ₁	4111	6333	68.3	63.6	123.7	49.0
T ₃ × F ₁	4042	6222	71.9	67.2	130.0	48.3
T ₄ × F ₁	4194	6472	66.4	61.1	125.3	49.3
T ₅ × F ₁	4806	7417	75.6	69.4	138.7	46.7
T ₆ × F ₁	3514	5417	63.6	58.6	119.0	49.0
T ₇ × F ₁	2958	4528	62.8	56.9	121.0	48.7
T ₈ × F ₁	4250	6556	69.4	66.9	133.0	48.7
T ₁ × F ₂	3931	6028	66.9	61.4	124.7	48.0
T ₂ × F ₂	3556	5472	64.2	60.8	122.0	49.0
T ₃ × F ₂	4986	7639	69.4	68.6	142.0	48.0
T ₄ × F ₂	3375	5194	62.2	53.9	126.0	50.7
T ₅ × F ₂	4722	7250	68.3	68.3	152.0	48.7
T ₆ × F ₂	3778	5833	63.6	56.9	124.0	50.0
T ₇ × F ₂	3556	5444	61.9	57.8	122.7	51.0
T ₈ × F ₂	3819	5889	68.1	66.4	134.0	50.7
Mean	3958	6087	66.9	62.5	129.1	49.0
CD	827	1301	4.9	5.7	7.3	2.3
CV (%)	13	13	4.4	5.5	3.4	2.8
Significance	S	S	S	S	S	S

Treatment Details:

- T₁ - 1/2 Basal + 1/2 Knee high + 0 at P.T.
- T₂ - 1/2 Basal + 0 Knee high + 1/2 at P.T.
- T₃ - 1/4 Basal + 1/2 Knee high + 1/4 at P.T.
- T₄ - 3/4 Basal + 1/4 Knee high + 0 at P.T.
- T₅ - 1/4 Basal + 3/4 Knee high + 0 at P.T.
- T₆ - 3/4 Basal + 0 Knee high + 3/4 at P.T.
- T₇ - 1/4 Basal + 0 Knee high + 3/4 at P.T.
- T₈ - 1/2 Basal + 1/4 Knee high + 1/4 at P.T.

Maize cultivars:

- F₁ - G.M.-6
- F₂ - Narmada Moti

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Table 26: Effect of inter row spacing on yield potential of different maturing maize cultivars at Ambikapur.

Treatment combination	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)	Barren Plants
V1 x S1	9444	141.1	139.3	46.7	223.7	3.3
V1 x S2	10000	107.8	107.2	46.0	211.0	1.0
V1 x S3	9981	118.0	117.0	46.7	237.3	1.7
V1 x S4	9685	80.4	80.0	46.3	222.7	0.7
V1 x S5	9370	88.9	88.0	46.3	230.0	1.7
V1 x S6	9148	64.3	63.9	46.7	220.0	0.7
V2 x S1	10796	144.1	142.6	53.0	250.0	2.7
V2 x S2	11111	108.7	108.0	52.0	246.0	1.3
V2 x S3	11333	106.1	105.6	52.0	238.7	1.0
V2 x S4	11241	80.2	79.1	52.3	250.3	2.0
V2 x S5	10444	90.4	90.4	53.0	220.7	0.0
V2 x S6	9981	63.5	63.5	52.0	228.3	0.0
V3 x S1	11074	143.3	141.9	57.0	263.0	2.7
V3 x S2	11426	108.4	108.7	55.7	254.7	1.3
V3 x S3	13093	111.9	111.3	57.0	256.3	1.0
V3 x S4	13648	79.3	78.5	56.0	253.3	1.3
V3 x S5	12685	91.7	90.6	56.7	247.0	2.0
V3 x S6	11426	63.5	63.0	56.3	251.0	1.0

Location mean	10883	99.6	98.8	51.8	239.1	1.4
C.D.(5%) A B A Bk	1922	9.6	9.8	1.4	16.6	2.1
C.D.(5%) A Bk-A Bk	2446	10.3	10.5	1.5	18.2	2.0
F(5%)	n.s.	n.s.	n.s.	n.s.	s	n.s.

V1	9605	100.1	99.2	46.4	224.1	1.5
V2	10818	98.8	98.2	52.4	239.0	1.2
V3	12225	99.8	99.0	56.4	254.2	1.6

C.D.(5%) A A	1745	5.7	5.8	0.8	10.5	0.5
C.V.(%) Error A	17.3	6.2	6.3	1.7	4.7	38.7
F(5%)	s	n.s.	n.s.	s	s	n.s.

S1	10438	142.8	141.2	52.2	245.6	2.9
S2	10846	108.6	108.0	51.2	237.2	1.2
S3	11469	112.0	111.3	51.9	244.1	1.2
S4	11525	79.9	79.2	51.6	242.1	1.3
S5	10833	90.3	89.6	52.0	232.6	1.2
S6	10185	63.8	63.5	51.7	233.1	0.8

C.D.(5%) B B	1110	5.5	5.6	0.8	9.6	1.2
C.V.(%) Error B	10.6	5.8	5.9	1.6	4.2	89.1
F(5%)	n.s.	s	s	n.s.	s	s

Main Plot: (Cultivars)

V1- Early (< 90 days) (Pro 4212)
 V2- Medium (100-105 Days) (Pro 30R 26)
 V3- Late (> 110 Days) (Pro 4640)

Sub Plot: (Plant geometry / 000 plant ha⁻¹)

S1- 45 X 20 cm / 111.00 S5- 75 X 20 cm / 66.00
 S2- 45 X 30 cm / 74.00 S6- 75 X 30 cm / 44.00
 S3- 60 X 20 cm / 83.00
 S4- 60 X 30 cm / 55.00

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Table 27. Effect of nutrient and weed management on weed growth and productivity of maize at Ambikapur.

Treatment combination	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)	Barren Plants	Weed dry weight (m2)
F1 x W1	2444	75.4	74.3	51.3	149.3	2.3	177.3
F1 x W2	5825	73.0	71.6	50.7	172.0	3.0	20.1
F1 x W3	7937	74.6	72.5	51.7	220.7	4.3	25.5
F1 x W4	7905	74.4	74.0	52.3	248.3	1.0	15.6
F2 x W1	3302	68.7	67.0	50.7	196.3	3.7	192.4
F2 x W2	6476	74.9	73.5	52.0	232.0	3.0	23.7
F2 x W3	7730	74.4	73.7	52.3	236.7	1.7	31.5
F2 x W4	7524	75.4	74.6	53.0	252.0	1.7	21.3
F3 x W1	4048	73.2	71.9	52.0	207.0	2.7	210.3
F3 x W2	6698	74.4	73.2	52.0	252.0	2.7	31.6
F3 x W3	7190	76.7	75.2	52.3	253.3	3.0	39.6
F3 x W4	7587	73.7	72.5	53.0	260.0	2.3	28.2

Location mean	6222	74.1	72.8	51.9	223.3	2.6	68.1
C.D.(5%) AIBj-AiBk	1814	6.0	6.2	1.6	31.4	3.0	17.9
C.D.(5%) AiBk-AjBk	1594	7.9	7.9	2.3	32.2	3.4	19.9
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

F1	6028	74.4	73.1	51.5	197.6	2.7	59.6
F2	6258	73.4	72.2	52.0	229.3	2.5	67.2
F3	6381	74.5	73.2	52.3	243.1	2.7	77.4

C.D.(5%) Ai-Aj	281	6.0	5.9	1.8	17.6	2.2	12.7
C.V.(%) Error A	4.0	7.2	7.2	3.1	6.9	73.6	16.5
F(5%)	n.s.	n.s.	n.s.	n.s.	s	n.s.	s

W1	3265	72.4	71.1	51.3	184.2	2.9	193.3
W2	6333	74.1	72.8	51.6	218.7	2.9	25.2
W3	7619	75.2	73.8	52.1	236.9	3.0	32.2
W4	7672	74.5	73.7	52.8	253.4	1.7	21.7

C.D.(5%) Bi-Bj	1047	3.5	3.6	0.9	18.2	1.7	10.4
C.V.(%) Error B	17.0	4.7	5.0	1.8	8.2	67.2	15.4
F(5%)	s	n.s.	n.s.	s	s	n.s.	s

Main Plot:

- F1- 50% of recommended + 5 tones of FYM in rows
- F2- 75% of recommended + 10 tones of FYM in rows
- F3- 100% of recommended

Sub Plot:

- W1- Weedy check
- W2- Hand Weeding at 20 and 35 DAS
- W3- Pre-emergence application of Atrazine @ 0.75 kg a.l. Ha⁻¹
- W4- Pre-emergence application of Atrazine @ 0.75 kg a.l. Ha⁻¹+ Hand Weeding at 40 DAS

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Table 28: Residual effect of organic and inorganic fertilizer given to Kharif maize on the succeeding gram (Maize - G.M.-4) at Godhra.

Treatment	Grain Yield (kg/ha)	Fodder Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking
T ₁ × F ₁	2708	4074	52.0	47.7	143.7	48.3
T ₂ × F ₁	2801	4213	57.7	44.1	140.7	48.3
T ₃ × F ₁	2400	3596	59.7	47.8	135.3	49.3
T ₄ × F ₁	3009	4506	53.9	43.2	137.3	46.7
T ₅ × F ₁	2917	4383	55.6	46.0	152.3	47.3
T ₆ × F ₁	2454	3704	57.1	40.4	146.0	48.3
T ₁ × F ₂	2878	4336	55.9	45.4	147.0	47.3
T ₂ × F ₂	3071	4645	56.8	44.9	147.7	48.7
T ₃ × F ₂	2299	3472	55.6	44.0	145.7	49.0
T ₄ × F ₂	3472	5247	56.0	49.2	152.3	48.3
T ₅ × F ₂	3102	4552	55.9	41.7	159.3	47.7
T ₆ × F ₂	2562	3873	62.8	47.5	141.7	47.0
Mean	2806	4217	56.6	45.2	145.8	48.0
CD	777	1148	7.2	11.4	23.9	2.0
CV (%)	16.4	16.1	7.5	14.9	9.7	2.5
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

Treatment for Kharif season:

- T₁ - RDF (Recommended dose of fertilizer 60+40+0 NP kg/ha)
- T₂ - RDF+ABA-1+PSB-16
- T₃ - 50% RDF+ABA-1+PSB-16
- T₄ - RDF+5 ton FYM/ha
- T₅ - RDF+5 ton FYM/ha + ABA-1+PSB-16
- T₆ - 50% RDF + 10 ton FYM/ha

Treatment for Rabi season

- F₁ - No fertilizer
- F₂ - RDF (20:40 NP kg/ha)

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Table 29: Crop management strategies for improving maize productivity under excessive moisture conditions at Varanasi.

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days of 50% Silking	Plant Height (cm)	Barren Plants
T1	1711	31.3	30.2	59.3	210.0	2.0
T2	1911	29.6	30.4	59.3	207.0	0.7
T3	3289	54.2	52.7	58.3	221.3	3.0
T4	3867	56.0	55.8	57.7	227.0	1.3
T5	4756	64.4	63.6	57.3	224.7	1.3
T6	3400	32.4	31.8	58.3	207.3	1.0
T7	3422	29.8	28.4	59.3	223.3	2.0
T8	2600	32.0	31.3	58.0	223.3	1.3
Mean	3119	41.2	40.5	58.5	218.0	1.6
CD	578	7.7	6.7	3.5	17.9	1.4
CV (%)	10.6	10.7	9.5	3.4	4.7	52.3
Significance	S	S	S	N.S.	N.S.	N.S.

Treatment:

T1: Conventional (Flat)

T2: Flat Sowing + Earthing at 30 DAS

T3: Ridge Sowing

T4: Ridge Sowing + Earthing at 30 DAS

T5: Raised Bed Sowing

T6: Conventional Sowing + 3% urea spray at 45 & 52 DAS

T7: Conventional Sowing + 25% N at 10 days emergence + 50% at knee height + 25% at tasselling

T8: Treat 6 + Treat 7

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Table 30: Agronomic Management for Excessive Moisture Condition at Bahraich

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
T1	5222	53.5	53.9	57.8	180.0
T2	5903	52.9	53.8	57.3	180.0
T3	6306	52.2	52.5	57.5	191.3
T4	6264	52.8	53.1	57.5	186.3
T5	6403	53.8	55.4	57.5	181.3
T6	5944	53.3	54.3	57.3	192.5
T7	6222	53.3	54.3	57.8	190.0
T8	5611	52.4	53.9	57.5	181.3
Mean	5984	53.0	53.9	57.5	185.3
CD	519	0.8	0.9	0.8	8.7
CV (%)	5.9	1.0	1.2	1.0	3.2
Significance	S	S	S	N.S.	S

Treatment:

T1 - Conventional method (flat)

T2 - Flat sowing followed by earthing (30 DAS)

T3 - Ridge sowing

T4 - Raised bed sowing

T5 - T4 + 3% urea spray at 45 (DAS)

T6 - 25% urea (N. 120 kg./ha) 10 DAS, 50% N at knee high stage, 25% at tasseling stage

T7 - Treat 5 + Treat 6

T8 - Treat 6 + Treat 7

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Table 31: Agronomic management for excessive moisture stress tolerance in maize at Dholi.

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
T1	2000	22.7	23.1	51.7	150.3
T2	2289	21.8	25.6	52.0	164.7
T3	2896	28.0	30.2	52.0	156.8
T4	3267	31.1	31.8	50.0	159.4
T5	3289	30.4	31.3	50.0	163.5
T6	2400	22.7	26.7	51.3	159.1
T7	3022	29.1	32.0	53.3	172.8
Mean	2737	26.5	28.7	51.5	161.0
CD	224	1.7	4.5	2.5	19.5
CV (%)	4.6	3.6	8.8	2.7	6.8
Significance	S	S	S	N.S.	N.S.

Treatment:

- T1. Conventional method (Flat)
- T2. Flat sowing followed earthing up (30DAS)
- T3. Ridge sowing
- T4. Raised bed sowing
- T5. T4+3% urea spray at 45 DAS
- T6. 25% N (N120kg/ha) at 10 days after planting 50% N at knee high stage
25% N at tasselling stage
- T7. Treatment 5 + Treatment 6

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Table 32: Agronomic Management for excessive moisture at Jorhat.

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days of 50% silking	Plant Height (cm)
T1	3470	63.3	60.7	50.8	159.8
T2	2055	46.0	35.2	51.8	152.8
T3	2113	47.5	44.8	52.0	153.0
T4	2533	51.2	46.2	51.8	155.3
T5	2303	51.8	42.5	51.5	155.3
T6	3052	59.7	50.7	52.5	157.8
T7	2980	58.7	54.7	50.8	157.3

Mean	2644	54.0	47.8	51.6	155.9
CD	259	3.7	2.6	2.0	3.5
CV (%)	6.6	4.6	3.7	2.6	1.5
Significance	S	S	S	N.S.	S

Treatment:

T1- Normal

T2- Conventional (flat)

T3- Flat sowing + earthing up at 30 DAS

T4- Ridge sowing + earthing up at 30 DAS

T5- 3% urea spray at 45 and 52 DAS

T6- 25% N, 10 DAS + 50% N one day before

T7- T5 + T6

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Table 33: Moisture management studies in rainfed maize at Udaipur.

Treatment	Grain Yield (kg/ha)	Stover Yield (kg/ha)	Dry matter at 75% tasselling (g/plant)	Dry matter at harvest (g/plant)
T1	1818	2818	38.2	43.4
T2	3435	5230	66.3	71.0
T3	3085	4752	71.5	76.5
T4	3228	4961	71.2	76.3
T5	3153	4856	65.8	70.6
T6	2600	4064	61.3	66.3
T7	3505	5215	76.8	82.7
T8	3500	5250	79.1	83.4
Mean	3040	4643	66.3	71.3
CD	457	668	9.7	10.0
CV (%)	10.2	9.8	10.0	9.5
Significance	S	S	S	S

Treatment

- T1. Conventional sowing in flat beds
- T2. Sowing in flat beds followed by earthing up at 30 DAS
- T3. Mid season population correction up to 50 % and *In situ* mulching
- T4. Intercultivation at 20 and 35 DAS
- T5. *In situ* mulching 1:1 row ratio 30 DAS
- T6. Intercultivation at 20 and 30 DAS and mulching of crop raised in intra-row space
- T7. Spray of brassinosteroids at 0.04% at late knee-high stage
- T8. Thiourea spray @ 0.2% at flowering stage twice (each at pre-flowering and 50% silking stage)

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Table 34: Moisture management studies in rainfed maize at Banswara.

Treatment	Grain Yield (kg/ha)
T1	2823
T2	3134
T3	2239
T4	3222
T5	3035
T6	3542
T7	3076
T8	3382

Mean	3069
CD	453
CV (%)	8.4
Significance	S

Treatment:

- T1: Conventional sowing in flat beds**
- T2: Sowing in flat beds fb earthing up 30 DAS**
- T3: Mid season population correction upto 50% in *in situ* mulching**
- T4: Intercultivation (Dust mulching) at 20 & 35 DAS**
- T5: *in situ* mulching sunnhemp (1:1) 30 DAS**
- T6: Intercultivation at 20 & 30 DAS and mulching crop raised in intrarwo spaces (Sunnhemp)**
- T7: Spray of Brasinosteroids 0.04% spray at late knee high stage**
- T8: Thiourea spray @ 0.2% at flowering stage twice (each at knee high and tassel emergence stages)**

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Table 35: Moisture management studies in rainfed maize at Chhindwara.

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
1	2593	75.9	52.3	60.3	143.7
2	3944	89.8	77.3	57.3	169.0
3	3042	76.9	59.7	59.3	148.3
4	3736	87.5	71.8	57.7	162.3
5	3343	81.0	63.4	59.0	154.0
6	3431	81.0	63.9	58.7	160.3
7	3556	81.5	67.1	58.7	160.7
8	3162	79.2	62.5	59.0	150.3
Mean	3351	81.6	64.8	58.8	156.1
CD	999	7.2	12.9	1.6	11.8
CV (%)	17.0	5.1	11.4	1.6	4.3
Significance	N.S.	S	S	S	S

Treatment:

1. Conventional sowing in flat beds.
2. Sowing in flat beds followed by earthing up at 35 days.
3. Mid season population correction up to 50% and *in situ* mulching
4. Inter cultivation at 20 and 35 DAS
5. Spray of Brassinosteroids 0.04% spray at late knee-high stage.
6. Thiourea Spray @ 0.2% at flowering stage twice (each at pre-tasseling and 50% Silking stage).
7. Inter cultivation at 20 and 35 DAS + Mid season population correction up to 50% and mulching
8. Maize - *Sasbania* (1:1) *in situ* mulching at 30 DAS

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Table 36: Moisture management studies in rainfed maize at Karimnagar.

Treatment	Grain Yield (kg/ha)
T1	2408
T2	2289
T3	3908
T4	3838
T5	4050
T6	4588

Mean	3514
CD	190
CV (%)	3.0
Significance	S

Treatment:

T1- Conventional sowing in flat beds

T2- Sowing in flat beds followed by earthing up at 30 DAS

T3- Inter cultivation at 20 and 35 DAS

T4- Spray of Brasino sterol 0.04% at late knee high stage

T5- Thiourea spray @ 0.2% at flowering stage twice (each at pre-tassling and 50% silking)

T6- 2% urea spray during dry spell

Table 37: Effect of tide riding on moisture and yield of maize under rainfed condition at Godhra.

Treatment	Grain Yield (kg/ha)	Fodder Yield (kg/ha)	Length of Cobs (in cm)	Girth of Cobs (in cm)	Plant Height (cm)
Flatbed	2765	4368	12.8	11.2	149
Tied riding 2.0 X 3.6 m	3727	5218	14.2	13.0	173
Tied riding 3.0 X 3.6 m	3290	5060	13.8	12.4	163
Tied riding 4.0 X 3.6 m	2950	4425	13.0	12.1	161

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Table 38: Study the effect of seed priming on yield of maize under rainfed condition at Banawara.

Treatment	Grain Yield (kg/ha)
T1	2767
T2	2812
T3	2839
T4	2995
T5	3149
T6	3048
T7	3071
T8	3229

Mean	2989
CD	564
CV (%)	10.8
Significance	N.S.

Treatment:

- T1: Dry seed sowing (Control)
- T2: Soaking seed in simple water
- T3: Soaking seed in 2.5% KH_2PO_4 solution
- T4: Soaking seed in 2.5% NaCl solution
- T5: Soaking seed in 0.1% Succinic acid solution
- T6: Soaking seed in 100ppm Cycocel solution
- T7: Soaking seed in 1 ppm Cytokinin solution (Benzyl ad.)
- T8: Soaking seed in 0.1% Thiourea solution

Table 39: Effect of different methods of planting on maize at Karnal

Treatment	Grain Yield (kg/ha)
T1	4682
T2	4775
T3	4161
T4	4338
T5	3992

Mean	4389
CD	127
CV (%)	1.5
Significance	S

Treatment:

- T1: Flat sowing
- T2: Furrow sowing
- T3: Ridge side sowing
- T4: Ridge center sowing
- T5: Bed center sowing

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Table 40: Intercropping in Kharif maize (Paired row sowing) at Karnal

Treatment	Maize Grain Yield (kg/ha)	Intercrop Grain & Forage Yield (kg/ha)
T1	4377	622
T2	4460	827
T3	4486	1048
T4	4632	1247
T5	4342	8940
T6	4887	0

Mean	4531	2114
CD	273	423
CV (%)	3.3	11.0
Significance	S	S

Treatment:

- T1: Maize + Soybean
- T2: Maize + Urad
- T3: Maize + Moong
- T4: Maize + Cowpea (Beans)
- T5: Maize + Cowpea (Forage)
- T6: Maize

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Table 41: Studies on Maize based intercropping system-wheat cropping system at Ambikapur.

Treatment	Maize Grain Yield (kg/ha)	Groundnut Yield (kg/ha)	Soybean Yield (kg/ha)	Okra Yield (kg/ha)	Maize Equivalent Yield (kg/ha)	No. of Cobs (000/ha)	Plant Stand (000/ha)	Days to 50% Silking
T1	6204	0	0	0	6204	73.8	74.7	52.0
T2	0	1534	0	0	4417	0.0	0.0	0.0
T3	0	0	1503	0	1921	0.0	0.0	0.0
T4	0	0	0	4729	4540	0.0	0.0	0.0
T5	3439	959	0	0	6198	36.1	36.5	52.7
T6	3029	0	1085	0	4937	36.1	36.6	53.7
T7	3598	0	0	2368	5869	34.9	35.6	52.7
T8	5476	860	0	0	7951	58.2	58.9	53.3
T9	5225	0	1032	0	7038	60.3	61.1	52.3
T10	4960	0	0	1958	6840	59.5	60.1	52.7

Mean	3193	335	362	905	5591	35.9	36.3	36.9
CD	479	85	168	443	741	2.6	2.3	1.1
CV (%)	8.7	14.8	27.1	28.5	7.7	4.2	3.7	1.8
Significance	S	S	S	S	S	S	S	S

Treatment	Plant Height (cm)	Barren Plants
T1	246.0	2.3
T2	0.0	0.0
T3	0.0	0.0
T4	0.0	0.0
T5	246.7	1.0
T6	250.7	1.3
T7	245.7	1.7
T8	262.7	1.7
T9	266.3	2.0
T10	268.7	1.3

Mean	178.7	1.1
CD	10.3	2.4
CV (%)	3.3	123.2
Significance	S	N.S.

Treatment:

T1- Maize alone

T2- Groundnut alone

T3- Soybean alone

T4- Okra alone

T5- Maize+Groundnut (Maize 120 cm in between 3 rows of G.N. at 30 cm)

T6- Maize + Soybean (1:3) (Maize 120 cm in between 3 rows of soybean at 30 cm)

T7- Maize + Okra (1:2) (Maize 120 cm and 2 rows of Okra. At 40 cm in between the rows of maize)

T8- Paired row of maize at 50/100 cm+3rows of G.N. (at 25 cm)

T9- Paired row of maize at 50/100 cm+3rows of soybean (at 25 cm)

T10- Paired row of maize at 50/100 cm+2rows of Okra (at 40 cm)

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Table 42: Studies on intercropping in situ green manuring for chemical fertilizer economy in maize based cropping system at Kangra.

Treatment	Maize Equivalent Yield (kg/ha)	Maize Grain Yield (kg/ha)
T1 x F1	2361	2361
T1 x F2	2813	2813
T1 x F3	3611	3611
T2 x F1	4371	3811
T2 x F2	5336	4375
T2 x F3	5435	4444
T3 x F1	3889	3889
T3 x F2	4792	4792
T3 x F3	5069	5069
T4 x F1	1697	903
T4 x F2	2514	1632
T4 x F3	3493	2257
T5 x F1	3750	3750
T5 x F2	4583	4583
T5 x F3	4931	4931

Location mean	3910	3535
C.D.(5%) AIBj-AiBk	398	412
C.D.(5%) AIBk-AjBk	367	399
F(5%)	s	s

F1	3698	3354
F2	4176	3819
F3	3854	3431

C.D.(5%) Ai-Aj	157	158
C.V.(%) Error A	4.0	4.4
F(5%)	s	s

T1	3437	2812
T2	3398	2986
T3	4061	4051
T4	4675	4421
T5	3988	3403

C.D.(5%) Bi-Bj	230	238
C.V.(%) Error B	6.0	6.9
F(5%)	s	s

Main Plot

Cropping system

- T1- Maize pure
- T2- Maize + soybean
- T3- Maize + cowpea (green manure)
- T4- Maize + cowpea (grain)
- T5- Maize + crotalaria (green manure)

Sub Plot

Fertility levels in maize (3)

- F1- 50% of recommended fertilizer
- F2- 50% chemical + 25% vermi. + 25% FYM+biofertilizer
- F3- Recommended fertilizer

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Table 43: Development of INM system through organic source for enhanced productivity of maize based cropping system at Banswara.

Treatment	Grain Yield (kg/ha)
T1	2688
T2	2847
T3	2637
T4	2942
T5	2911
T6	3061
T7	2766
T8	2484
T9	2388
T10	2254

Mean	2699
CD	303
CV (%)	6.5
Significance	S

Treatment:

T1: Farmer's existing practice (90:40 N:P₂O₅/ha)

T2: Rec. practices (90:40:30 N:P₂O₅:K₂O+25 ZnSO₄/ha)

T3: 50% FYM + 50% commercial fertilizer

T4: 50% Vermicompost + 50% chemical fertilizer

T5: 25% FYM+25% Vermicompost+50% chem. Fertilizer

T6: 25% FYM+25% Vermicompost+Azotobactor+PSB+50% chemical fertilizer

T7: 25% FYM+25% Vermicompost+Azotobactor+PSB+25% chemical fertilizer

T8: 25% FYM+25% Vermicompost+Azotobactor+PSB+insitu green manuring (Sunnhemp)

T9: 25% PROM+25% Vermicompost+Azotobactor+PSB+Insitu green manuring (Sunnhemp)

T10: 25% PROM+25% Vermicompost+Azotobactor+PSB

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Table 44: Development of INM system through organic sources for enhanced productivity of maize based cropping system under rain fed agro-eco-system at Chhindwara.

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/h)	Days to 50% Silking	Plant Height (cm)
1	2193	61.9	47.4	58.3	169.0
2	4456	61.1	55.9	53.7	188.0
3	2893	63.7	50.7	56.3	185.0
4	3707	63.7	55.9	54.7	186.7
5	3133	63.7	52.2	56.0	185.3
6	3252	64.1	54.8	55.7	186.3
7	2748	63.3	50.7	56.7	182.3
8	2433	61.1	48.9	57.0	172.7
9	2674	62.2	50.4	57.0	176.0
10	2311	61.1	48.9	57.7	169.3
Mean	2980	62.6	51.6	56.3	180.1
CD	675	5.1	8.6	1.9	13.1
CV (%)	13.2	4.7	9.7	1.9	4.2
Significance	S	N.S.	N.S.	S	S

1. Farmer's existing practice
2. Recommended practice
3. 50% FYM + 50% commercial fertilizer
4. 50% Vermi-compost + 50% chemical fertilizer
5. 25% FYM + 25% Vermi-compost + 50% Chemical fertilizer
6. 25% FYM + 25% Vermi-compost + Azoto & PSB + 50% Chemical fertilizer
7. 25% FYM + 25% Vermi-compost + Azoto & PSB + 25% Chemical fertilizer
8. 25% FYM + 25% Vermi-compost + Azoto & PSB + Insitu green manuring (s.n.)
9. 25% NADEP + 25% Vermi-compost + Azoto & PSB + Insitu green manuring
10. 25 NADEP + 25% Vermi-compost + Azoto & PSB

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Table 45: Development of INM system through organic sources for enhanced productivity of maize based cropping system under rainfed ecosystem at Kangra.

Treatment	Grain Yield (kg/ha)
T1	3866
T2	4398
T3	4838
T4	4653
T5	4560
T6	4352
T7	2407
T8	2754
T9	3912
T10	2940

Mean	3868
CD	466
CV (%)	7.0
Significance	S

Treatment:

- T1- Farmers practice (30 tons FYM+50 kg urea per hectare)**
- T2- Recommended practice**
- T3- 50% through FYM + 50% chemical fertilizer**
- T4- 50% through Vermicompost + 50% chemical fertilizer**
- T5- 25% FYM + 25% Vermicompost+50%chemical fertilizer**
- T6- 25% FYM + 25% Vermicompost + biofertilizer+50% chemical fertilizer**
- T7- 25% FYM + 25% Vermicompost + biofertilizer+25% chemical fertilizer**
- T8- 25% FYM + 25% Vermicompost + biofertilizer+insitu green manuring**
- T9- 50% through chemical fertilizer + insitu green manuring**
- T10- 10 Ton Vermicompost**

Table 46: Development of INM system through organic sources for enhanced productivity of maize rainfed agro-ecosystem at Udaipur.

Treatment	Grain Yield (kg/ha)	Stover Yield (kg/ha)
T1	2005	3038
T2	3518	5383
T3	3018	4570
T4	3133	4778
T5	3008	4608
T6	3218	4913
T7	2853	4303
T8	2820	4280
T9	3008	4555
T10	3055	4665

Mean	2963	4509
CD	460	647
CV (%)	10.7	9.9
Significance	S	S

Treatment

- T1. Farmer's existing practice**
- T2. Recommended practice (Recommended N:P:K) + 25 kg ZnSo₄ ha⁻¹**
- T3. 50 FYM + 50% chemical fertilizer**
- T4. 50% Vermicompost + 50% chemical fertilizer**
- T5. 25% FYM + 25% Vermicompost + 50% chemical fertilizer**
- T6. 25% FYM + 25% Vermicompost + Azoto & PSB + 50% chemical fertilizer**
- T7. 25% FYM + 25% Vermicompost + Azoto & PSB + 25% chemical fertilizer**
- T8. 25% FYM + 25% Vermicompost + Azoto & PSB + In situ green maturing**
- T9. 25% PROM* + 25% Vermicompost + Azoto & PSB + In situ green maturing**
- T10. 25% PROM* + 25% Vermicompost + Azoto & PSB**

PROM* - Phospho rich organic manure. In this 1 kg PSB culture and rock phosphate + FYM (1:2 ratio) was mixed and kept under gunny bags for 45 days in moist condition. After 45 days it is used as a PROM

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Table 47: Development of INM system in maize-onion cropping sequence at Godhra.

Sr. No.	Treatment				Grain Yield (kg/ha)	Fodder Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking
	Kharif (Maize)		Rabi (Onion)							
	Fertilizer	Bio fertilizer	Fertilizer	Bio fertilizer						
1	100% RDF		100% RDF		2963	4630	69.1	53.3	145.0	45.3
2	75% RDF		100% RDF		2519	3852	70.4	49.3	141.7	44.0
3	50% RDF		100% RDF		2102	3241	65.0	47.0	132.7	44.3
4	100% RDF		75% RDF		2917	4519	72.4	51.7	155.0	48.3
5	75% RDF		75% RDF		2509	3889	65.6	48.0	139.3	45.0
6	50% RDF		75% RDF		2231	3444	67.0	46.7	135.0	44.7
7	100% RDF		75% RDF	25% RDF	3282	5037	64.6	50.7	148.0	44.7
8	75% RDF		75% RDF	25% RDF	2926	4519	66.3	49.8	148.0	45.0
9	50% RDF		75% RDF	25% RDF	2852	4407	68.0	51.5	144.3	43.0
10	100% RDF		50% RDF	50% RDF	2861	4463	65.4	51.1	137.0	46.7
11	75% RDF		50% RDF	50% RDF	2481	3852	69.8	48.1	148.7	45.0
12	50% RDF		50% RDF	50% RDF	2241	3481	71.1	45.9	146.7	45.7
13	100% RDF	Azotobactor	50% RDF	50% RDF	3778	5852	72.6	55.9	148.0	47.7
14	75% RDF	Azotobactor	50% RDF	50% RDF	3417	5259	71.1	54.6	144.7	45.3
15	50% RDF	Azotobactor	50% RDF	50% RDF	2972	4611	69.8	48.3	141.7	45.3
16	100% RDF	Azotobactor	50% RDF	25% RDF	3639	5648	73.1	55.2	160.7	46.0
17	75% RDF	Azotobactor	50% RDF	25% RDF	3222	4963	69.8	55.7	144.7	45.3
18	50% RDF	Azotobactor	50% RDF	25% RDF	2833	4352	72.6	50.6	142.3	47.0

Mean					2875	4445	69.1	50.8	144.6	45.5
CD					483	762	4.6	9.1	18.2	2.3
CV (%)					10.1	10.3	4.0	10.8	7.6	3.0
Significance					S	S	S	N.S.	N.S.	S

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Table 48: Studies on weed management in Maize at Ambikapur

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)	Barren Plants	Weed dry weight (m ²)
T1	3571	74.0	72.7	53.7	189.7	2.7	133.7
T2	5825	72.7	71.6	52.0	225.0	2.3	23.9
T3	5810	74.3	73.3	52.0	207.0	2.0	24.4
T4	7333	72.5	72.1	52.0	239.3	1.0	18.3
T5	6762	73.8	73.2	51.0	230.7	1.3	22.2
T6	7079	74.8	74.3	52.3	235.0	1.0	20.4
T7	6937	73.5	73.2	52.0	233.7	0.7	20.8
T8	7889	74.6	74.3	52.0	243.0	0.7	15.4
Mean	6401	73.8	73.1	52.1	225.4	1.5	34.9
CD	1284	3.0	2.9	1.0	19.7	2.5	16.6
CV (%)	11.5	2.4	2.2	1.1	5.0	96.5	27.2
Significance	S	N.S.	N.S.	S	S	N.S.	S

Treatment

T1- Weedy check

T2- Farmers practice + one hand weeding at 35 DAS fb earthing

T3- One hand weeding at 35 DAS fb earthing

T4- Two hand weeding at 20 and 35 DAS fb earthing

T5- Per-emergence application of Atrazine @ 0.50 kg a.i. Ha⁻¹

T6- Per-emergence application of Atrazine @ 0.50 kg a.i. Ha⁻¹ + earthing at 35 DAS

T7- Per-emergence application of Atrazine @ 0.75 kg a.i. Ha⁻¹ +

T8- Per-emergence application of Atrazine @ 0.75 kg a.i. Ha⁻¹ + earthing at 35 DAS

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Table 49: Integrated weed management for maize based cropping system at Banswara.

Treatment	Grain Yield (kg/ha)
T1	1786
T2	2373
T3	2336
T4	2726
T5	3111
T6	2442
T7	2416
T8	2546
T9	2652
T10	2980

Mean	2537
CD	472
CV (%)	10.85
Significance	S

Treatment:

- T1: Weedy check**
- T2: Manual weeding (50 & 30 DAS)**
- T3: Inclusion of legume intercrop (Maize+Soybean in 2:2)**
- T4: T3 fb Pendimethalin (1 kg a.i.)**
- T5: T3 fb One hand weeding**
- T6: Sole maize fb intercultivation 20 DAS**
- T7: Sole maize fb intercultivation 20 & 35 DAS**
- T8: T6 fb removal of weeds manually from interspaces**
- T9: Sole maize fb Atrazine (0.75 kg a.i./ha) as PE**
- T10: Sole maize (weedy free)**

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Table 50: Agro-technology for specialty corn (Popcorn) at Udaipur.

Treatment	Grain Yield (kg/ha)	Stover Yield (kg/ha)	Biological Yield (kg/ha)	Harvest Index
P ₁ F ₁	1703	2588	4290	39.7
P ₁ F ₂	2005	3040	5045	39.8
P ₁ F ₃	2040	3128	5168	39.5
P ₂ F ₁	2405	3628	6033	39.9
P ₂ F ₂	2703	4110	6813	39.7
P ₂ F ₃	2753	4175	6928	39.7
P ₃ F ₁	2205	3353	5558	39.7
P ₃ F ₂	2610	3935	6545	39.9
P ₃ F ₃	2665	4038	6703	39.8
P ₄ F ₁	2253	3415	5668	39.8
P ₄ F ₂	2555	3878	6433	39.7
P ₄ F ₃	2650	4078	6728	39.4
Mean	2379	3614	5992	39.7
CD	367	544	805	3.5
CV (%)	10.7	10.5	9.3	6.1
Significance	S	S	S	N.S.

Treatment:

(a) Plant population:

- (1) 55,555 plants ha⁻¹ (60 x 30 cm)
- (2) 66,666 plants ha⁻¹ (60 x 25 cm)
- (3) 74,074 plants ha⁻¹ (60 x 22.5 cm)
- (4) 83,333 plants ha⁻¹ (60 x 20 cm)

(B) Fertilizer levels:

- (1) 60 + 30 kg N + P₂O₅ ha⁻¹
- (2) 90 + 45 kg N + P₂O₅ ha⁻¹
- (3) 120 + 60 kg N + P₂O₅ ha⁻¹

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Table 51: Agro-technology for specialty corn (Pop corn) at Chhindwara.

Treatment (Nitrogen x Spacing)		Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
40	20	2620	77.3	53.7	56.0	161.3
40	25	2833	61.6	50.5	56.0	173.0
40	30	2889	46.8	44.9	55.3	178.7
80	20	3315	79.6	57.4	55.0	170.0
80	25	3255	63.4	49.5	54.7	175.0
80	30	3102	47.2	46.3	54.7	181.3
120	20	3556	80.6	66.2	54.3	173.0
120	25	3435	65.3	50.5	54.3	186.7
120	30	3315	49.5	49.1	53.7	187.0
Mean		3147	63.5	52.0	54.9	176.2
CD		649	6.9	7.0	1.6	14.8
CV (%)		11.9	6.3	7.8	1.7	4.9
Significance		N.S.	S	S	N.S.	S

Table 52: Working out agronomy for pop corn (VL-42) at Banswara.

Treatment	Grain Yield (kg/ha)
T1	1048
T2	1432
T3	1520
T4	1221
T5	1690
T6	1658
T7	1276
T8	1615
T9	1520
T10	1202

Mean	1418
CD	236
CV (%)	9.7
Significance	S

Treatment:

- T1: 60 x 25 + 40 N
- T2: 60 x 25 + 80 N
- T3: 60 x 25 + 120 N
- T4: 60 x 20 + 40 N
- T5: 60 x 20 + 80 N
- T6: 60 x 20 + 120 N
- T7: 60 x 15 + 40 N
- T8: 60 x 15 + 80 N
- T9: 60 x 15 + 120 N
- T10: 60 x 25 + 40 N (Check)

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Table 53: Effect of N levels and plant spacing on Performance of Pop corn at Srinagar.

Treatment Nitrogen X Spacing		Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking
60	15	3819	67.4	132.8	200.0	74.4
60	20	4119	66.6	130.7	202.1	73.8
60	25	3826	66.9	131.3	204.0	74.5
120	15	4552	68.3	136.0	207.4	76.1
120	20	4789	66.4	133.9	209.8	75.6
120	25	4585	66.4	131.2	208.1	75.1
180	15	4126	65.5	135.8	210.1	75.3
180	20	4396	65.6	134.8	207.0	76.4
180	25	4098	65.4	134.4	209.9	75.8
Mean		4257	66.5	133.4	206.5	75.2
CD		146	2.4	6.7	3.9	1.5
CV (%)		2.0	2.1	2.9	1.1	1.2
Significance		S	N.S.	N.S.	S	S

Table 54: Response of Pop corn under different plant population and nitrogen levels at Delhi.

Treatment		Grain Yield (kg/ha)	Stover wt. (kg/ha)
P1	N 0	1333	2500
P1	N 40	2056	3944
P1	N 80	2667	4556
P1	N 120	3000	5000
P2	N 0	1833	2944
P2	N 40	2667	4556
P2	N 80	3222	5333
P2	N 120	3500	5611
P3	N 0	2333	3222
P3	N 40	3222	4833
P3	N 80	3667	5556
P3	N 120	4056	6111
Mean		2796	4514
CD		196	295
CV (%)		4.1	3.9
Significance		S	S

Treatment:

P1 - 55,555 p/ha

P2 - 66,666 p/ha

P3 - 83,333 p/ha

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Table 56: Effect of plant population and fertility levels on yield and quality of baby corn (*Zea mays*) at Udaipur.

Treatment	Grain Yield (kg/ha)	Baby Corn Yield (kg/ha)	Green Fodder Yield (kg/ha)
P ₁ F ₁	3439	785	14617
P ₁ F ₂	4040	1093	15133
P ₁ F ₃	4930	1490	20800
P ₁ F ₄	5150	1381	19700
P ₂ F ₁	4161	1151	18600
P ₂ F ₂	4696	1358	20830
P ₂ F ₃	5655	1727	24820
P ₂ F ₄	5863	1653	23710
P ₃ F ₁	4512	1224	19600
P ₃ F ₂	5133	1431	21533
P ₃ F ₃	5911	1831	25800
P ₃ F ₄	6100	1721	24700
P ₄ F ₁	4391	1251	19830
P ₄ F ₂	5061	1456	22047
P ₄ F ₃	5945	1855	26030
P ₄ F ₄	6091	1745	24920
Mean	5067	1447	21417
CD	885	215	3725
CV (%)	10.5	8.91	10.43
Significance	S	S	S

Treatment:

(a) Plant population:

- (1) 83000 plants ha⁻¹
- (2) 111000 plants ha⁻¹
- (3) 166000 plants ha⁻¹
- (4) 333000 plants ha⁻¹

(B) Fertilizer levels:

- (1) 60 + 30 kg N + P₂O₅ ha⁻¹
- (2) 90 + 35 kg N + P₂O₅ ha⁻¹
- (3) 120 + 40 kg N + P₂O₅ ha⁻¹
- (4) 180 + 45 kg N + P₂O₅ ha⁻¹

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Table 56; Effect of N levels and plant spacing on Performance of baby corn at Srinagar.

Treatment Nitrogen X Spacing		Baby Corn Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Plant Height (cm)	Days of 50% silking
60	10	1457	138.5	282.0	203.5	73.1
60	15	835	106.5	219.8	206.8	73.5
60	20	1031	78.0	167.8	207.0	73.4
120	10	1781	136.1	278.9	209.4	73.3
120	15	1550	110.7	219.1	212.4	74.1
120	20	1381	80.8	182.2	213.3	74.3
180	10	1622	135.8	281.7	214.1	75.7
180	15	1531	108.9	227.9	216.7	75.7
180	20	1457	78.5	159.9	217.3	76.4

Mean 1405 108.2 224.4 211.2 74.4

CD 406 5.6 10.6 4.2 0.9

CV (%) 16.7 3.0 2.7 1.1 0.7

Significance S S S S S

Table 57: Agro-technology for specialty corn (Baby corn) at Chhindwara.

Treatment (Nitrogen x Spacing)		Baby Corn Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
60	10	2593	119.4	107.9	56.3	184.7
60	15	2894	90.3	109.7	54.3	192.7
60	20	2981	71.3	96.8	52.7	195.3
120	10	3583	110.6	120.4	56.3	192.7
120	15	3856	88.9	113.0	53.7	195.0
120	20	3375	73.1	98.1	54.7	205.3
180	10	4574	115.3	123.1	55.0	207.0
180	15	4005	91.7	117.1	53.7	215.7
180	20	3616	75.0	106.5	54.0	217.7

Mean 3497 92.8 110.3 54.5 200.7

CD 754 24.4 18.2 3.2 4.9

CV (%) 12.4 15.2 9.6 3.4 1.4

Significance S S N.S. N.S. S

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Table 58: Agro-technology for specialty corn (Sweet corn) at Chhindwara.

Treatment (Nitrogen x Spacing)		Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)
40	15	2162	84.3	71.8	55.7	154.3
40	20	3009	70.4	59.3	53.7	163.3
40	25	2977	51.9	49.5	53.3	164.0
80	15	2704	91.2	73.1	53.3	155.7
80	20	3398	73.1	60.2	53.0	165.0
80	25	3245	51.9	57.9	52.7	167.3
120	15	3579	93.1	75.0	52.7	165.7
120	20	3486	74.1	63.0	52.0	166.7
120	25	3306	63.4	58.8	51.7	171.7
Mean		3096	72.6	63.2	53.1	163.7
CD		879	7.9	8.3	2.6	10.3
CV (%)		16.4	6.3	7.6	2.8	3.6
Significance		N.S.	S	S	N.S.	N.S.

Table 59: Response of sweet corn under different plant population and nitrogen levels at Delhi.

Treatment		Grain Yield (kg/ha)	Stover wt. (kg/ha)
P1	N 0	1222	2389
P1	N 40	2056	3778
P1	N 80	2611	4444
P1	N 120	2833	4833
P2	N 0	1667	3222
P2	N 40	2500	4389
P2	N 80	3000	5000
P2	N 120	3333	5556
P3	N 0	2000	3833
P3	N 40	2759	4778
P3	N 80	3278	5444
P3	N 120	3556	5778

Mean	2568	4454	Treatment:
CD	313	291	P1 - 66,666 p/ha
CV (%)	7.2	3.9	P2 - 83,333 p/ha
Significance	S	S	P3 - 1,11,111 p/ha

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Table 60: Intercropping of sweet corn with vegetable at Jashipur.

Treatment	Intercrop Yield (kg/ha)	Green cob equivalent Yield (kg/ha)	Green Cob Yield (kg/ha)	Plant Stand (000/ha)	Net profit (Rs/plot)
T1	0	12270	12269.8	54.0	47.6
T2	3810	16032	6507.9	49.0	66.0
T3	2556	15563	9174.6	50.0	64.1
T4	4206	17690	7174.6	47.9	75.8
T5	2873	16214	9031.7	49.2	67.8
T6	12302	15024	8873.0	50.5	60.7
T7	8984	14508	10015.9	50.2	58.1
T8	4492	14254	9761.9	50.8	56.8
T9	3492	14143	10650.8	51.7	55.8
Mean	4746	15078	9273.4	50.4	61.4
CD	488	865	716.5	2.9	5.6
CV (%)	5.9	3.3	4.5	3.3	5.3
Significance	S	S	S	S	S

Treatment

- T1. Sole Maize
- T2. Maize + Okra 1:1
- T3. Maize + Okra 2:1
- T4. Maize + Cowpea 1:1
- T5. Maize + Cowpea 2:1
- T6. Maize + Radish 1:1
- T7. Maize + Radish 2:1
- T8. Maize + Amaranthus 1:1
- T9. Maize + Amaranthus 2:1

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Table 61: Effect of nitrogen levels and spacing on performance of sweet corn at Ludhiana.

Nitrogen	Spacing	Germplasm	Green Cob Yield (kg/ha)	Plant Stand	No. of Cobs	Days of 50% Silking	Plant height (cm)
N 90	60 x 15	Sweetcorn JC-1	10333	81111.1	84444.5	69.0	180.0
	60 x 15	Madhuri	7556	81111.1	85000.0	59.3	148.3
	60 x 20	Sweetcorn JC-1	11333	67222.2	65555.6	70.0	175.0
	60 x 20	Madhuri	8556	64444.5	67222.2	57.0	151.7
N 120	60 x 15	Sweetcorn JC-1	11333	85000.0	81111.1	69.0	195.0
	60 x 15	Madhuri	8667	82222.2	80555.5	57.0	161.7
	60 x 20	Sweetcorn JC-1	12889	67777.8	65000.0	69.3	188.3
	60 x 20	Madhuri	9611	65555.5	65000.0	55.7	161.7
N 150	60 x 15	Sweetcorn JC-1	13056	85555.6	90000.0	67.3	205.0
	60 x 15	Madhuri	10667	83333.3	92222.2	55.7	175.0
	60 x 20	Sweetcorn JC-1	13556	63888.9	70555.6	66.7	196.7
	60 x 20	Madhuri	9889	67222.2	70000.0	54.0	175.0

C.V. (%)	7.4	3.1	4.2	2.1	2.3
CD (p=0.05)N	1139.5	3002.2	0.4	ns	ns
S	825.2	2309.5	825.2	ns	ns
NxS	1429.2	4000.2	1429.2	1.7	3.3
V	511.0	1485.3	511.0	ns	ns
NxV	885.0	2572.6	885.0	ns	4.5
SxV	722.6	2100.5	722.6	ns	ns
NxSxV	1251.6	3638.1	1251.6	2.1	6.4

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Table 62: Crop Management strategies for improving Maize productivity under excessive moisture condition at Kanpur

Treatment	Grain Yield (kg/ha)	Plant Stand (000/ha)	No. of Cobs (000/ha)	Days to 50% Silking	Plant Height (cm)	Days of 50% Pollen Shed	Ear Height (cm)
T1	6444	63.3	62.5	59.3	173.7	56.0	55.3
T2	8417	64.4	63.9	59.7	175.0	56.3	57.0
T3	9667	63.1	62.5	61.0	176.0	56.7	56.7
T4	8111	63.3	62.8	60.3	175.7	57.3	56.0
T5	6389	64.2	63.3	60.0	174.7	55.7	57.0
T6	7722	61.9	60.0	59.7	176.3	55.7	58.0

Mean	7792	63.4	62.5	60.0	175.2	56.3	56.7
CD	800	2.1	2.1	2.5	6.3	2.7	2.0
CV (%)	5.6	1.8	1.8	2.3	2.0	2.7	2.0
Significance	S	N.S.	S	N.S.	N.S.	N.S.	N.S.

Treatments

T1- Conventional (flat)

T2- Flat sowing + Earthing up at 30 DAS

T3- Ridge Sowing + Earthing up at 30 DAS (Before Excessive moisture treatment)

T4- 3% urea Spray at 45 and 52 DAS

T5- 25% N (120kg/ha) 10 days after emergence + 50% one days before excessive moisture treatment + 25% at tasseling Stage

T6- Treatment 4+ Treatment 5

Table-63: Effect of excessive soil moisture stress at knee-high stage on medium maturity maize inbred lines.

ENT	Pedigree	Plant mortality (%)	Chlorophyll (immediately after WL)	Chlorophyll (week after WL)	Leaf rolling (1 (immediately after WL (8,00AM))	Leaf rolling (immediately after WL (11,00AM))	Leaf rolling susceptibility score - 1 week after WL (1-3 scale)	Stress susceptibility score - 1 month after WL (1-3 scale)	Plant height (1W after WL)	No. of nodes with brace roots	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root logging (%)	Grain yield (t/ha)
52	CML427-1-3	3.6	40.8	46.2	1.0	1.0	1.3	1.3	47.7	2.0	56.0	56.5	0.5	3.4	3.14
53	CML429-2-1	0.0	35.2	46.6	1.0	1.0	1.7	1.0	34.4	2.0	65.0	62.0	-3.0	15.6	3.12
66	WL14-2-1-2	0.0	32.4	37.2	2.0	2.5	1.5	1.0	47.9	3.0	61.5	60.0	-1.5	3.4	3.08
61	CML327-3-1	3.9	40.1	44.3	1.0	1.0	1.3	1.3	52.4	3.0	63.0	62.0	-1.0	7.7	3.03
40	Gadag-15-2	3.9	34.7	42.0	1.0	2.5	1.4	1.3	46.2	1.5	56.5	57.5	1.0	3.4	3.01
20	Part-1-3	6.7	37.4	42.3	1.0	2.0	1.9	1.0	46.3	2.0	56.0	62.5	2.6	8.0	3.00
138	Gadag-6-3	0.0	31.9	42.1	1.0	2.5	1.7	1.0	46.5	2.3	57.5	57.5	0.0	7.7	2.99
129	DTL/NEM-16-3-1	3.6	36.3	48.3	1.0	2.0	1.2	1.0	43.6	2.2	56.5	57.5	1.0	0.0	2.96
79	PIO.301 1F2-3-5-3-B-B-6	3.4	36.2	40.2	1.0	3.0	2.7	1.5	40.6	1.8	59.5	60.5	1.0	9.4	2.95
62	CML327-3-2	0.0	40.0	42.0	1.0	1.0	1.7	2.3	48.1	3.1	60.5	58.0	-2.5	96.2	2.91
21	Part-1-4	0.0	36.8	45.8	1.5	2.5	1.2	1.0	45.7	2.0	56.0	57.0	1.0	3.2	2.90
5	WL15-2-2	7.2	31.1	34.9	1.5	2.0	2.2	1.0	41.9	2.2	57.0	57.0	0.0	6.7	2.89
134	DTL/NEM-68-8	3.6	31.8	39.6	1.0	1.5	1.3	2.3	48.0	2.0	56.0	53.0	-3.0	96.5	2.89
42	Gadag-16	3.2	28.7	35.3	1.5	3.5	1.9	2.5	42.2	2.9	58.5	60.0	1.5	53.1	2.88
16	WL18-x-x-4-1	3.4	37.0	41.3	1.0	1.5	1.9	1.0	47.2	2.3	55.5	57.5	2.0	3.4	2.84
22	Part-1-5	0.0	35.8	48.7	1.0	1.5	1.4	1.0	44.2	2.0	55.0	56.0	1.0	3.4	2.80
24	Part-1-7	2.7	31.9	41.9	2.0	3.5	1.9	1.0	43.0	2.0	59.5	56.5	-3.0	0.0	2.78
25	Part-1-8	0.0	35.4	42.0	1.5	2.0	1.7	1.0	38.4	2.0	61.5	65.0	3.5	3.6	2.76
47	Part-16 02K-4	3.4	39.4	49.7	1.0	3.0	1.5	1.0	38.3	2.4	56.5	57.5	1.0	7.7	2.76
49	CML421	10.5	39.2	46.3	1.0	2.5	2.2	1.0	32.9	2.3	59.5	59.0	-0.5	9.1	2.75
59	CA14517-3	0.0	26.4	35.4	1.0	2.5	2.4	1.0	38.4	2.5	64.0	59.5	-4.5	7.5	2.74
60	CA14522	22.6	29.8	36.9	2.0	3.0	2.8	1.0	27.3	2.0	64.5	65.0	0.5	6.3	2.74
65	WLB-2-1-1	14.3	29.3	39.4	1.0	2.0	3.2	1.0	25.3	2.8	72.0	67.5	-4.5	3.2	2.73
69	WL14-2-1-12-2	0.0	34.0	34.1	1.0	2.5	1.5	1.0	51.7	3.0	56.0	58.5	2.5	0.0	2.67
81	PIO.301 1F2-3-5-3-B-B-9-2	52.2	32.5	38.4	4.0	4.5	3.2	1.0	34.5	1.6	61.0	67.0	6.0	3.6	2.67
82	PIO.301 1F2-3-5-3-B-B-9-3	17.9	35.2	39.4	1.0	2.5	2.0	1.0	41.5	1.3	60.5	58.0	-2.5	7.7	2.66
83	CML-226-B-B-6-1	0.0	28.1	38.8	1.0	2.5	1.3	1.0	47.0	3.8	56.0	58.5	2.5	16.7	2.64
86	CML-226-B-B-11-2	35.0	27.8	40.9	2.0	4.0	2.3	1.0	42.6	2.1	58.5	55.0	-3.5	15.6	2.59
88	AMATLCOHS44-1-1-2E-4-5-2-B-1-2	13.1	30.3	37.7	2.5	4.5	2.7	1.0	31.6	2.5	61.5	60.0	-1.5	7.5	2.57
86	CML311-9	17.7	29.1	39.0	1.0	3.0	3.0	1.0	23.6	1.1	55.5	55.5	0.0	6.3	2.57
101	WL9-x-x-4-6-1	0.0	29.4	37.3	1.0	2.5	2.0	1.0	43.3	2.0	56.0	54.5	-1.5	3.4	2.56
102	WL9-x-x-4-8-2	3.0	40.0	42.3	1.5	2.5	2.2	1.0	43.4	2.2	57.0	55.5	-1.5	8.0	2.55
125	DTL/NEM-4-8	21.6	32.2	41.4	1.5	2.0	3.0	1.0	36.8	3.0	64.5	63.0	-1.5	3.4	2.52
131	DTL/NEM-46-8	6.3	29.8	45.6	2.0	2.5	2.3	1.0	32.0	2.0	59.5	61.5	2.0	3.6	2.50

TABLE NO. 60 (CONT.)

Sl No	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE NAVJOT				Zn 5 MEAN
		UDAI	BANS	GODH	CHHI	
1	I H W - 0326	8.10	25.29	-	3.86	23.42
2	I H W - 0209	10.64	54.14	-	45.26	13.93
3	I H W - 1824	30.35	18.07	-	25.16	0.07
4	I H W - 1826	75.65	42.71	5.97	10.20	46.59
5	I H W - 1827	51.06	25.86	34.71	36.55	29.96
6	I H W - 1828	44.41	14.67	26.31	18.90	15.23
7	I H W - 1829	34.09	32.96	-	33.02	9.98
8	I H W - 1830	4.09	19.47	-	35.77	7.81
9	I H W - 1831	27.12	11.33	-	9.65	2.80
10	I H W - 1832	27.56	27.44	-	17.54	2.38
11	I H W - 1833	27.30	47.50	-	11.69	28.40
12	I H W - 1834	42.66	24.85	32.64	47.51	31.41
13	I H W - 1835	42.66	27.48	-	37.89	10.60
14	I H W - 1836	-	-	-	25.57	1.60
15	I H W - 1836	-	-	-	1.60	-
16	NAVJOT	-	-	-	-	-
17	PEHM-2	-	-	-	-	-
18	MAHI KANCHAN	-	-	-	-	-
19	CHECKS:	-	-	-	-	-
20	I H W - 0326	26.98	-	3.87	-	11.59
21	I H W - 0209	29.96	8.05	-	15.68	3.01
22	I H W - 1824	53.13	-	-	-	32.55
23	I H W - 1826	106.34	0.03	12.70	8.74	17.51
24	I H W - 1827	77.46	-	43.27	5.93	4.19
25	I H W - 1828	69.64	-	34.33	8.12	-
26	I H W - 1829	57.51	-	-	-	-
27	I H W - 1830	22.27	-	-	-	-
28	I H W - 1831	19.96	-	-	-	-
29	I H W - 1832	49.97	3.39	0.84	17.47	16.09
30	I H W - 1833	49.54	-	41.07	9.81	18.82
31	I H W - 1834	17.47	-	6.35	-	-
32	I H W - 1835	-	-	-	-	-
33	I H W - 1836	-	-	-	-	-
34	NAVJOT	-	-	-	-	-
35	PEHM-2	-	-	-	-	-
36	MAHI KANCHAN	-	-	-	-	-

TABLE NO. 60 (CONT.)

SI NO	PEDIGREE	GRAIN YIELD & SUPERIORITY OVER THE MAHI KANCHAN					DAYS TO 50% POLLEN SHED				
		UDAI	BANS	GODH	CHHI	MEAN	UDAI	BANS	GODH	CHHI	MEAN
1	I H W - 0326	57.74	-	7.96	-	4.04	48.7	51.7	48.3	50.3	49.8
2	I H Y - 0209	2.15	-	-	2.22	-	55.7	51.7	50.3	52.0	52.4
3	E H - 1824	61.44	20.91	-	42.97	29.03	53.7	52.0	49.3	50.3	51.3
4	E H - 1825	90.21	-	-	23.19	19.10	47.7	51.7	43.7	50.3	48.3
5	E H - 1826	19.32	-	17.13	8.46	4.62	55.0	50.0	52.3	51.7	52.3
6	E H - 1827	156.31	11.94	48.90	34.40	53.25	57.7	53.3	46.7	53.0	52.7
7	E H - 1828	120.44	-	39.62	17.02	35.86	48.0	49.0	45.7	50.7	48.3
8	E H - 1829	110.72	-	-	30.92	20.47	47.3	51.3	45.3	50.3	48.6
9	E H - 1830	21.20	4.29	-	33.63	14.98	55.3	51.3	49.3	51.3	51.8
10	E H - 1831	95.66	-	-	7.92	12.70	48.0	48.0	45.3	50.7	48.0
11	E H - 1832	-	-	-	-	-	54.7	51.3	50.3	52.7	52.3
12	E H - 1833	51.89	-	-	15.69	7.47	50.7	51.7	45.7	50.3	49.6
13	E H - 1834	49.01	-	-	9.93	7.03	53.7	52.3	47.3	51.0	51.1
14	E H - 1835	86.29	15.70	4.81	45.18	34.23	47.3	52.7	48.3	50.3	49.7
15	E H - 1836	85.76	-	46.61	35.72	37.37	54.7	51.3	48.3	53.0	51.8
CHECKS:											
16	NAVJOT	45.92	-	10.53	-	4.54	52.0	52.7	49.7	53.0	51.8
17	PEHM-2	24.22	11.91	3.93	23.59	15.62	55.0	51.3	50.3	55.7	53.1
18	MAHI KANCHAN	-	-	-	-	-	47.3	50.7	50.7	51.3	50.0
MEAN LOCATION											
C.D. AT 5%											
C.V. %											
F (Prob)											

TABLE NO. 60 (CONT.)

Sl NO PEDIGREE	DAYS TO 50% SILKING				DAYS TO 50% DRY HUSK				ZN 5 MEAN
	UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1 I H W - 0326	52.0	54.3	55.3	51.3	53.2	80.7	87.3	83.0	82.9
2 I H Y - 0209	59.0	54.7	54.3	54.3	55.6	87.7	85.3	89.0	85.9
3 E H - 1824	56.3	55.7	53.7	51.7	54.3	84.3	85.7	91.0	85.9
4 E H - 1825	51.0	55.3	52.3	51.3	52.5	81.0	84.3	83.5	82.6
5 E H - 1826	58.3	53.3	56.3	53.3	55.3	88.0	87.0	86.5	85.5
6 E H - 1827	59.7	56.7	51.7	53.0	55.3	88.0	84.7	92.0	86.4
7 E H - 1828	50.7	52.7	50.7	51.0	51.3	80.3	81.7	85.5	81.5
8 E H - 1829	50.7	55.0	52.7	50.7	52.3	80.3	82.7	83.0	81.9
9 E H - 1830	58.0	54.0	57.0	53.3	55.6	86.7	80.0	86.5	85.2
10 E H - 1831	51.0	51.0	50.3	51.3	50.9	78.7	84.0	83.0	80.7
11 E H - 1832	58.0	54.7	56.3	53.3	55.6	87.7	87.3	83.5	85.3
12 E H - 1833	53.7	54.7	50.7	51.0	52.5	81.0	80.7	82.0	81.6
13 E H - 1834	57.0	55.0	53.3	51.7	54.3	85.3	85.3	86.5	84.7
14 E H - 1835	50.3	56.7	53.0	50.7	52.7	80.0	84.3	88.0	84.2
15 E H - 1836	57.7	54.3	54.3	53.0	54.8	85.3	82.0	87.3	84.9
CHECKS:									
16 NAVJOT	54.3	56.0	53.7	55.7	54.9	83.7	85.7	85.0	84.5
17 PEHM-2	57.7	55.0	56.3	56.0	56.3	87.3	89.3	88.0	86.4
18 MAHI KANCHAN	50.3	54.3	56.7	53.7	53.8	78.7	87.3	81.0	82.5
MEAN LOCATION	54.8	54.6	53.8	52.6	53.9	83.6	85.4	85.7	84.0
C.D. AT 5% =	2.9	1.9	0.9	1.5	1.8	4.4	1.0	1.9	2.2
C.V. % =	3.2	2.1	1.0	1.7	-	3.2	0.7	1.3	-
F (Prob)	.000	.000	.000	.000	-	.000	.000	.000	-

TABLE NO. 60 (CONT.)

Sl NO PEDIGREE	MOISTURE % AT HARVEST					PLANT ASPECT *					ZN 5 MEAN	
	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH		CHHI
1 I H W - 0326	16.8	18.0	16.8	17.2	2.1	2.3	2.0	1.5	2.0	2.0	1.5	2.0
2 I H Y - 0209	16.5	18.6	18.0	17.7	1.7	2.2	2.3	1.0	1.8	2.3	1.0	1.8
3 E H - 1824	17.4	16.2	20.3	17.9	1.8	2.0	3.0	1.5	2.1	3.0	1.5	2.1
4 E H - 1825	17.4	16.4	18.5	17.4	1.9	2.3	3.0	2.0	2.3	3.0	2.0	2.3
5 E H - 1826	16.3	17.5	17.8	17.2	2.1	2.3	3.0	1.8	2.3	3.0	1.8	2.3
6 E H - 1827	17.2	18.0	19.5	18.2	1.7	2.2	2.3	1.0	1.8	2.3	1.0	1.8
7 E H - 1828	17.1	16.3	16.9	16.8	2.3	2.3	2.3	1.5	2.1	2.3	1.5	2.1
8 E H - 1829	16.7	19.1	18.0	17.9	1.8	2.2	2.0	1.0	1.8	2.0	1.0	1.8
9 E H - 1830	16.9	17.6	19.7	18.1	1.8	2.2	3.0	1.5	2.1	3.0	1.5	2.1
10 E H - 1831	16.7	15.8	18.1	16.9	1.9	2.3	3.0	1.8	2.2	3.0	1.8	2.2
11 E H - 1832	16.2	16.1	18.7	17.0	2.1	2.3	2.7	2.0	2.3	2.7	2.0	2.3
12 E H - 1833	16.5	19.8	16.7	17.6	1.8	2.3	2.0	2.0	2.0	2.0	2.0	2.0
13 E H - 1834	16.8	17.3	18.3	17.5	2.1	2.3	2.3	1.5	2.1	2.3	1.5	2.1
14 E H - 1835	17.5	15.9	19.3	17.6	1.5	2.3	2.7	1.5	2.0	2.7	1.5	2.0
15 E H - 1836	16.8	16.0	17.9	16.9	2.0	2.2	2.3	1.3	1.9	2.3	1.3	1.9
CHECKS:												
16 NAVJOT	16.4	18.8	18.5	17.9	1.8	2.2	2.0	1.0	1.8	2.0	1.0	1.8
17 PEHM-2	16.8	17.8	18.9	17.8	2.1	2.2	2.0	1.0	1.8	2.0	1.0	1.8
18 MAHI KANCHAN	16.7	18.4	17.4	17.5	1.8	2.3	2.0	1.0	1.8	2.0	1.0	1.8
MEAN LOCATION	16.8	17.4	18.3	17.5	1.9	2.3	2.4	1.4	2.0	2.4	1.4	2.0
C.D. AT 5%*	0.9	0.5	0.9	0.8	0.6	0.4	0.6	0.5	0.5	0.6	0.5	0.5
C.V. %	3.1	1.8	3.0	-	19.4	12.0	13.8	20.9	-	13.8	20.9	-
F (Prob)	.091	.000	.000	-	.742	.963	.000	.000	-	.000	.000	-

TABLE NO. 60 (CONT.)

SL NO	PEDIGREE	EAR ASPECT *				HUSK COVER *				UNIFORMITY *				ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	ZN 5 MEAN	BANS	CHHI	ZN 5 MEAN	UDAI	BANS	GODH	CHHI	
1	I H W - 0326	1.7	2.5	2.7	1.7	2.1	2.3	2.0	2.2	1.8	2.5	2.0	2.0	2.1
2	I H Y - 0209	2.5	2.0	2.0	1.3	2.0	2.5	2.0	2.3	1.7	2.2	3.0	1.0	2.0
3	E H - 1824	1.6	2.0	3.0	1.3	2.0	2.3	1.5	1.9	1.8	2.2	3.0	1.0	2.0
4	E H - 1825	1.9	2.2	2.0	1.3	1.8	2.3	1.5	1.9	2.0	2.5	3.0	1.5	2.3
5	E H - 1826	2.1	2.3	2.7	1.7	2.2	2.3	1.5	1.9	1.6	2.3	2.0	1.3	1.8
6	E H - 1827	1.4	2.2	2.0	1.5	1.8	2.3	1.0	1.7	1.4	2.3	3.0	1.0	1.9
7	E H - 1828	1.9	2.3	3.0	1.5	2.2	2.3	2.0	2.2	1.9	2.3	3.0	1.5	2.2
8	E H - 1829	1.6	2.0	3.7	1.5	2.2	2.3	1.8	2.0	2.0	2.3	2.0	1.5	2.0
9	E H - 1830	2.2	2.3	2.3	1.3	2.0	2.3	1.5	1.9	2.0	2.2	3.0	1.5	2.2
10	E H - 1831	1.5	2.2	3.7	1.5	2.2	2.5	1.8	2.1	1.5	2.2	2.0	1.5	1.8
11	E H - 1832	3.0	2.5	3.7	1.7	2.7	2.3	2.0	2.2	2.2	2.3	2.3	1.5	2.1
12	E H - 1833	1.8	2.2	1.7	1.2	1.7	2.2	2.0	2.1	1.8	2.2	2.0	2.0	2.0
13	E H - 1834	1.7	2.2	2.7	1.3	2.0	2.5	1.5	2.0	2.1	2.0	3.0	1.5	2.1
14	E H - 1835	1.4	2.3	3.0	1.5	2.1	2.5	1.3	1.9	1.7	2.5	3.0	1.0	2.0
15	E H - 1836	2.0	2.0	2.0	1.7	1.9	2.3	1.5	1.9	2.0	2.3	2.7	1.3	2.1
CHECKS:														
16	NAVJOT	2.0	2.0	1.3	1.7	1.8	2.2	2.0	2.1	1.9	2.2	3.0	2.0	2.3
17	PEHM-2	2.4	2.2	2.7	1.2	2.1	2.3	1.0	1.7	2.0	2.3	2.0	1.3	1.9
18	MAHI KANCHAN	2.6	2.0	2.0	1.3	2.0	2.3	1.5	1.9	1.8	2.2	2.7	1.5	2.0
MEAN LOCATION														
C.D. AT 5%		0.7	0.4	0.7	0.5	0.6	0.4	0.4	0.4	0.5	0.4	0.4	0.6	0.5
C.V. %		22.8	10.8	16.9	19.0	-	10.5	16.0	-	17.9	11.3	9.3	23.6	-
F (Prob)		.003	.126	.000	.370	-	.953	.000	-	.430	.591	.000	.004	-

TABLE NO. 60 (CONT.)

Sl NO	PEDIGREE	PLANT HEIGHT (cm)					EAR HEIGHT (cm)					ZN 5 MEAN
		UDAI	BANS	GODH	CHHI	MEAN	UDAI	BANS	GODH	CHHI		
1	I H W - 0326	157	168	143	158	157	77	72	58	78	71	
2	I H Y - 0209	177	152	147	165	160	87	57	72	85	75	
3	E H - 1824	183	150	122	167	155	80	67	58	83	72	
4	E H - 1825	183	135	127	162	152	87	58	58	85	72	
5	E H - 1826	140	142	148	160	148	48	62	63	68	60	
6	E H - 1827	163	155	157	167	160	88	60	57	93	75	
7	E H - 1828	162	142	133	167	151	82	72	43	90	72	
8	E H - 1829	173	153	113	170	153	80	53	58	68	65	
9	E H - 1830	153	152	138	165	152	78	60	53	83	69	
10	E H - 1831	168	160	127	157	153	85	73	58	78	74	
11	E H - 1832	153	128	127	152	140	73	45	65	87	68	
12	E H - 1833	163	148	163	183	165	90	78	67	100	84	
13	E H - 1834	158	157	123	153	148	73	60	43	68	61	
14	E H - 1835	152	125	143	157	144	77	42	58	72	62	
15	E H - 1836	188	165	148	168	167	112	65	58	90	81	
CHECKS:												
16	NAVJOT	177	163	142	152	158	87	77	55	70	72	
17	PEHM-2	146	153	167	163	157	68	72	55	77	68	
18	MAHI KANCHAN	165	147	153	170	159	85	58	82	68	73	
	MEAN LOCATION	165	150	140	163	154	81	63	59	80	71	
	C.D. AT 5%	26.9	34.1	6.9	26.9	23.7	19.6	24.5	5.1	20.0	17.3	
	C.V. %	9.9	13.7	3.0	10.0	-	14.6	23.5	5.2	15.0	-	
	F (Prob)	.034	.474	.000	.778	-	.002	.185	.000	.044	-	

TABLE NO. 60 (CONT.)

S1 NO PEDIGREE	EAR NO./PLANT				STAND AT HARVEST				ZN 5 MEAN
	UDAI	BANS	GODH	CHHI	UDAI	BANS	GODH	CHHI	
1 I H W - 0326	0.92	0.86	1.04	0.88	39	28	30	38	34
2 I H Y - 0209	1.02	0.99	0.90	0.93	29	25	29	37	30
3 E H - 1824	0.97	1.19	0.91	0.96	40	24	36	38	35
4 E H - 1825	0.96	1.01	0.96	0.95	38	31	35	39	36
5 E H - 1826	0.97	1.02	0.91	1.05	33	23	34	34	31
6 E H - 1827	0.96	1.03	0.96	0.95	27	32	27	29	29
7 E H - 1828	0.97	1.06	0.96	0.92	34	26	29	39	32
8 E H - 1829	0.99	0.86	0.91	0.99	31	23	28	39	31
9 E H - 1830	1.01	1.18	0.94	0.90	34	29	35	39	34
10 E H - 1831	1.01	1.12	0.89	0.88	39	33	33	38	36
11 E H - 1832	0.97	0.86	0.99	0.94	21	23	27	34	26
12 E H - 1833	1.00	1.14	0.99	0.98	33	24	29	39	31
13 E H - 1834	1.00	1.17	0.96	0.93	35	27	32	37	33
14 E H - 1835	1.01	0.84	0.91	1.02	37	29	38	39	36
15 E H - 1836	1.10	0.88	0.93	0.94	34	26	38	40	35
CHECKS:									
16 NAVJOT	0.99	1.12	0.99	0.90	29	27	27	39	30
17 PEHM-2	0.98	1.14	1.02	1.04	23	25	22	37	27
18 MAHI KANCHAN	0.96	1.21	0.90	1.04	26	27	26	35	28
MEAN LOCATION	-	-	-	-	32	27	31	37	32
C.D. AT 5%	-	-	-	-	6.4	5.8	9.7	4.7	6.6
C.V. %	-	-	-	-	11.9	13.0	18.9	7.6	-
F (Prob)	-	-	-	-	.000	.022	.061	.005	-

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

TABLE NO. 61

PERFORMANCE OF FULL SEASON EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR65Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT POLL		50% SILK		50% MOIS DRY		50% MOIS TURE		PLANT ASP.		HUSK COV.		UNIFO -RMITY		PLANT HT.		EAR HT.		EAR No.		STAND AT HARV.	
		POON	R	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON
1	M.S. POOL C7	2899	6	58.0	62.0	93.0	26.3	3.3	3.0	3.0	213	89	0.96	52									
2	B I O - 31006	3876	3	56.7	59.7	92.7	25.7	3.3	3.0	4.0	222	85	1.00	53									
3	PARBHAT	2701	8	57.7	61.0	93.3	25.3	3.3	4.0	4.0	234	111	1.00	51									
4	SEEDTEC - 2324	4638	2	59.3	62.0	93.3	25.7	3.7	4.3	4.3	237	112	0.96	56									
5	BIO - 9681	5056	1	53.7	57.7	89.3	25.3	4.0	4.3	4.3	230	86	0.98	60									
6	PRO - 311	3712	4	55.7	60.3	91.3	25.7	3.0	4.0	4.0	225	99	1.00	60									
7	ACROSS - 9747C - 8	2757	7	53.5	59.5	93.0	24.5	3.5	3.0	3.5	213	92	1.00	54									
8	W. C.	3053	5	55.5	59.5	91.5	26.0	3.5	3.5	4.5	255	125	1.00	56									
	MEAN YIELD=	3587																					
	MEAN STAND	55		56.3	60.2	92.2	25.6	3.5	3.6	4.0	229	100		55									
	C.D. AT 5%=	668		2.1	1.4	2.0	0.9	1.1	0.8	1.1	18.4	14.7		16.0									
	C.V. % =	10.70		2.1	1.3	1.2	2.1	17.7	12.3	15.9	4.6	8.4		16.6									
	F (Prob)	.000		.000	.000	.009	.037	.687	.004	.156	.005	.000		.861									
	PLOT SIZE=	12.00																					
	AGRONOMY DATA:																						
	SOWING DATE(2005)	28-06																					
	HARVEST DATE(2005)	19-10																					
	IRRIGATION NOS	-																					
	FERTILIZER APPLIED	N 60																					
		P 40																					
		K 20																					

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

TABLE NO 62

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR66Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE		50% POLL. SHED		50% SILK DRYING		50% DRY HUSK		MOISTURE		PLANT ASP.		HUSK COV.		UNIFORMITY		PLANT HT.		EAR HT.		EAR NO. STAND / AT PLANTHARY.			
		POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R	POON	R
1	CHH - 219	3148	7	54.0	59.3	90.3	26.3	3.7	3.7	3.7	4.0	236	98	0.99	52										
2	H K H - 1188	3555	4	54.0	58.0	91.0	25.3	3.0	3.0	3.3	5.0	246	97	1.00	55										
3	M H 03-2	3123	8	51.3	54.3	86.0	25.7	3.3	3.3	2.7	4.0	210	93	0.94	57										
4	V - 33	3001	9	51.3	55.0	88.7	24.3	3.3	3.3	3.0	3.7	208	95	1.00	52										
5	J K M H - 702	3769	3	56.0	61.0	91.3	25.3	4.0	4.0	4.0	5.0	240	102	0.95	54										
6	X - 85	3424	5	50.3	53.0	83.7	23.7	4.0	4.0	4.3	4.3	180	60	1.00	55										
7	P M Z - 150	3794	2	51.7	54.3	86.7	24.0	3.3	3.3	4.7	3.7	213	77	0.99	54										
8	NAVJOT	2724	11	53.3	56.7	88.0	25.7	2.7	2.7	3.3	3.0	213	84	0.99	47										
9	K H - 510	3331	6	55.3	58.3	89.3	25.7	3.3	3.3	4.0	4.0	212	83	1.00	51										
10	BIO - 9637	3826	1	56.3	59.3	89.0	26.3	4.3	4.3	4.3	4.7	218	86	0.96	44										
11	ACROSS - 9747	2582	12	53.0	59.0	92.7	24.3	3.7	3.7	3.3	4.0	212	90	0.96	56										
12	C - 8	2869	10	55.0	59.7	92.0	26.0	3.3	3.3	3.7	4.7	254	122	0.97	56										
13	W. C.	2034	13	48.7	51.7	82.7	24.0	2.7	2.7	3.0	4.3	210	85	0.99	53										
	MEAN YIELD=	3168																							
	MEAN STAND	53																							
	C.D. AT 5%	644																							
	C.V. %	12.08																							
	F (Prob)	.031																							
	PLOT SIZE=	12.00																							
	AGRONOMY DATA:																								
	SOWING DATE (2005)	28-06																							
	HARVEST DATE (2005)	19-10																							
	IRRIGATION Nos	-																							
	FERTILIZER APPLIED	N 60																							
		P 40																							
		K 20																							

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

TABLE NO. 63

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR67Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD		50% SILK -ING POON	50% DRY HUSK POON	MOIS -TURE & POON	PLANT ASP. * POON	HUSK COV. * POON	UNIFO -RMITY * POON	PLANT HT. (cm) POON	EAR HT. (cm) POON	EAR NO. /	STAND AT HARV. POON
		(kg/ha) AT POLL.	15% MOISTURE										
1	J C - 3272	2809	8	54.3	85.3	24.3	2.7	3.3	2.3	231	95	0.90	35
2	L - 201	2592	11	53.7	85.0	23.3	2.7	2.7	3.3	213	83	0.94	47
3	E H - 1389	3316	5	56.3	88.0	25.3	3.0	2.7	3.7	228	98	0.93	59
4	E H - 1485	2558	13	60.0	89.7	26.0	2.7	2.7	3.3	208	81	0.97	51
5	F H - 3273	2161	14	50.0	83.7	23.0	3.0	2.3	4.3	196	76	1.00	59
6	F H - 3289	2940	7	49.7	84.3	22.3	3.7	3.3	4.7	195	77	0.91	53
7	A H - 31405	3555	4	62.7	93.3	24.7	3.3	3.3	4.0	219	93	0.87	49
8	X - 2484	3676	2	55.7	91.0	25.3	2.7	3.3	2.7	196	97	0.96	51
9	P M Z - 146	3573	3	52.0	88.3	25.7	3.0	3.0	3.3	199	79	0.96	56
10	KIRAN	2715	10	53.3	87.0	25.3	2.0	4.0	2.7	214	95	1.00	42
11	PARKASH	3064	6	52.3	86.3	22.7	2.7	2.0	3.7	222	96	0.96	46
12	X - 3342	3960	1	51.0	84.7	23.7	3.3	3.3	3.3	236	91	0.83	58
13	ACROSS - 9747	2570	12	53.0	92.7	24.3	3.7	3.3	4.0	212	90	0.99	56
14	C - 6	2780	9	55.0	92.0	26.0	3.3	3.7	4.7	254	122	0.96	56
15	W. C.	1988	15	48.7	82.7	24.0	2.7	3.0	4.3	210	85	0.99	53
	MEAN YIELD=	2950											
	MEAN STAND	51		52.0	87.6	24.4	3.0	3.1	3.6	216	91		51
	C.D. AT 5%=	539		1.5	1.1	1.2	0.8	0.9	1.0	14.9	8.1		12.7
	C.V. %	10.95		1.8	1.1	2.9	17.1	18.4	15.9	4.1	5.4		14.8
	F (Prob)	.000		.000	.000	.000	.024	.016	.000	.000	.000		.023
	PLOT SIZE=	12.00											
	AGRONOMY DATA:												
	SOWING DATE(2005)	28-06											
	HARVEST DATE(2005)	19-10											
	IRRIGATION NOS	-											
	FERTILIZER APPLIED	N 60											
		P 40											
		K 20											

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

TABLE NO. 64

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR68Z1 DURING KHARIF (2005).

S1 NO	PEDIGREE	GRAIN YIELD		50% POLL. SHED		50% SILK DRY HUSK		MOIS -TURE %		PLANT ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		EAR NO. / PLANT POON		STAND AT HARV. POON	
		(kg/ha)	AT R	POON	R	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON
1	F H - 3248	5890	1	50.0	52.3	87.0	24.7	4.3	4.3	4.7	220	81	0.99	55									
2	F H - 3277	2681	14	45.7	49.7	85.0	24.7	3.3	3.3	5.0	209	73	0.96	60									
3	F H - 3288	4272	7	48.3	52.3	84.3	23.7	4.0	4.0	4.7	206	74	0.83	60									
4	V L - 103	3661	10	47.0	51.3	84.7	23.7	3.7	4.0	4.0	212	84	0.89	64									
5	V L - 108	4631	4	45.0	51.3	84.0	22.7	2.7	2.0	4.3	191	66	1.00	63									
6	V L - 110	3996	9	44.7	49.3	83.3	24.7	2.3	2.3	3.3	194	65	0.85	65									
7	A H - 23029	2937	12	55.7	58.7	89.7	24.3	3.3	2.3	4.0	211	92	0.94	51									
8	A H - 23021	4299	6	49.7	53.7	85.0	25.3	3.7	3.3	3.3	193	87	0.92	57									
9	A H - 23025	4271	8	54.7	58.7	89.0	23.3	3.3	3.3	3.3	220	99	0.97	59									
10	HIM - 129	4677	3	43.7	47.3	82.3	24.3	3.0	3.0	4.0	201	74	1.00	63									
11	SURYA	4411	5	45.7	51.3	83.3	23.3	2.3	3.0	3.0	213	85	1.00	59									
12	AMAR	5022	2	49.0	53.7	84.7	24.3	2.0	3.0	3.0	209	87	0.94	60									
13	ACROSS - 9747	2822	13	53.0	61.0	92.7	24.3	3.7	3.3	4.0	212	90	0.87	56									
14	C - 8	3110	11	55.0	59.7	92.0	26.0	3.3	3.7	4.7	252	122	0.98	56									
15	W. C.	2233	15	48.7	51.7	82.7	24.0	2.7	3.0	4.3	210	85	0.99	53									
	MEAN YIELD=	3927																					
	MEAN STAND	59		49.0	53.5	86.0	24.2	3.2	3.2	4.0	210	84		59									
	C.D. AT 5%=	662		1.9	2.5	1.3	1.2	0.8	1.0	1.1	12.6	9.2		12.9									
	C.V. % =	10.10		2.4	2.8	0.9	3.0	14.8	17.9	16.9	3.6	6.6		13.1									
	F (Prob)	.000		.000	.000	.000	.001	.000	.001	.010	.000	.000		.595									
	PLOT SIZE*	12.00																					
	AGRONOMY DATA:																						
	SOWING DATE(2005)			28-06																			
	HARVEST DATE(2005)			18-10																			
	IRRIGATION NOS																						
	FERTILIZER APPLIED			N 60																			
				P 40																			
				K 20																			

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

TABLE NO. 65

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL No. TR70Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD 50% (kg/ha) AT POLL.		50% SILK DRY HUSK		MOIS -TURE %		PLANT ASP *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		EAR No. / PLANT HARV.		STAND AT POON
		P	R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
1	B H - 3443	3701	5 58.7	62.7	94.3	25.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	208	92	0.99	71			
2	KAVERI - 2288	4413	3 55.0	57.7	89.3	25.0	4.7	3.7	4.0	264	110	1.00	79							
3	P M Z - 136	4688	2 52.7	55.7	87.3	25.7	4.0	4.0	4.3	235	96	0.96	77							
4	S M H - 3758	5867	1 54.7	56.3	87.0	25.7	4.7	4.3	5.0	259	111	0.94	86							
5	B I O - 22069	2828	9 52.7	55.3	87.0	25.0	4.3	4.3	5.0	245	100	0.98	75							
6	NAVJOT	3495	8 50.0	53.3	85.0	24.3	3.3	4.3	3.3	247	106	0.96	63							
7	K H - 510	3537	7 55.3	58.3	88.3	25.0	3.7	4.0	4.3	229	92	0.92	71							
8	ACROSS - 9747	3555	6 51.3	54.3	89.3	24.7	3.7	4.3	4.3	234	116	0.96	77							
9	C - 8	4360	4 53.7	58.7	90.0	25.0	4.0	4.3	4.7	255	131	0.91	67							
10	W. C.	2703	10 49.0	52.0	81.3	24.3	4.0	4.7	4.0	204	83	0.94	79							
	MEAN YIELD=	3915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MEAN STAND	75	53.3	56.4	87.9	25.0	4.0	4.2	4.3	238	104	-	75							
	C.D. AT 5%	838	2.1	2.2	2.6	1.1	1.1	1.2	1.1	25.5	15.6	-	30.2							
	C.V. %	12.52	2.3	2.3	1.7	2.6	15.9	17.0	15.4	6.2	8.8	-	23.6							
	F (Prob)	.000	.000	.000	.000	.128	.233	.761	.095	.001	.000	-	.902							
	PLOT SIZE=	14.40																		
	AGRONOMY DATA:																			
	SOWING DATE(2005)		27-06																	
	HARVEST DATE(2005)		17-10																	
	IRRIGATION Nos		-																	
	FERTILIZER APPLIED		N 60																	
			P 40																	
			K 20																	

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

TABLE NO. 66

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR71Z1 DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD		50% POLL. SHED POON	50% SILK DRY HUSK POON	50% DRY HUSK POON	MOIS -TURE * POON	PLANT ASP. * POON	HUSK COV. * POON	UNIFO -RMITY * POON	PLANT EAR HT. (cm)		EAR No. / PLANT HARV. POON	
		POON	R								POON	POON	POON	POON
1	J K M H - 1701	4538	1	52.7	55.7	86.3	25.7	4.3	4.7	4.0	243	93	0.97	72
2	F H - 3259	2794	7	51.7	54.3	82.0	25.0	3.3	4.7	3.3	200	75	0.86	73
3	H K H - 1176	2883	6	54.7	59.3	89.3	25.3	3.3	3.7	4.3	213	88	0.96	42
4	KIRAN	3130	5	52.0	55.0	83.0	24.3	3.0	3.7	4.3	230	109	0.98	75
5	PARKASH	2332	9	51.3	54.0	85.0	25.0	3.3	3.3	4.0	227	101	0.98	70
6	X- 3342	3453	4	49.0	52.7	84.0	24.3	4.0	4.7	4.7	247	109	0.91	83
7	ACROSS - 9747	3462	3	51.3	54.3	89.3	24.7	3.7	4.3	4.3	234	118	0.97	77
8	C - 8	4297	2	53.7	58.7	90.0	25.0	4.0	4.3	4.7	255	131	0.96	67
9	W. C.	2605	8	49.0	52.0	81.3	24.3	4.0	4.7	4.0	204	83	0.92	79
	MEAN YIELD=	3277												
	MEAN STAND	71		51.7	55.1	85.6	24.9	3.7	4.2	4.2	228	101		71
	C.D. AT 5%	534		2.8	2.8	3.3	1.4	1.1	1.5	1.2	29.5	15.6		29.3
	C.V. %	9.46		3.1	2.9	2.3	3.3	17.3	20.9	16.3	7.5	9.0		23.8
	F (Prob)	.000		.007	.000	.000	.459	.251	.429	.418	.011	.000		.240
	PLOT SIZE=	14.40												
	AGRONOMY DATA:													
	SOWING DATE(2005)			27-06										
	HARVEST DATE(2005)			17-10										
	IRRIGATION NOS													
	FERTILIZER APPLIED													
	N	60												
	P	40												
	K	20												

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

TABLE NO. 67

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT POONCH IN TRIAL NO. TR72Z1 DURING KHARIF (2005)

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha)		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT HUSK ASP. COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		EAR NO. STAND AT PLANT HARV. POON	
		POON	R	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON	POON
1	F H - 3211	5065	2	46.7	50.3	83.0	23.3	4.0	4.7	5.0	233	95	0.96	80							
2	F QH - 4567	5082	1	44.0	47.3	80.3	24.3	4.3	3.3	5.0	230	87	0.99	79							
3	VIVEK HYBRID - 9	3895	4	44.7	47.7	80.3	24.0	4.0	2.7	4.7	214	81	0.96	81							
4	HIM - 129	3698	6	45.3	48.3	79.7	25.0	4.0	4.0	4.3	201	77	0.96	69							
5	SURYA	3792	5	48.3	51.7	81.7	24.7	3.7	4.0	3.3	212	92	1.01	73							
6	AMAR	3364	8	49.0	52.3	82.0	25.0	3.3	4.0	3.7	223	89	0.91	65							
7	ACROSS - 6747	3536	7	51.3	54.3	89.3	24.7	3.7	4.3	4.3	234	116	0.94	77							
8	C - 8	4406	3	53.7	58.7	90.0	25.0	4.0	4.3	4.7	265	131	0.96	67							
9	W. C.	2673	9	49.0	52.0	81.3	24.3	4.0	4.7	4.0	204	83	0.94	79							
	MEAN YIELD*	3946																			
	MEAN STAND	74		48.0	51.4	83.1	24.5	3.9	4.0	4.3	224	95		74							
	C.D. AT 5%	585		2.3	2.2	1.3	1.2	1.2	1.2	0.8	27.3	11.9		28.5							
	C.V. %	8.60		2.8	2.5	0.9	2.8	17.9	16.9	10.5	7.0	7.2		22.1							
	F (Prob)	.000		.000	.000	.000	.107	.829	.042	.004	.004	.000		.881							
	PLOT SIZE	14.40																			
AGRONOMY DATA:																					
	SOWING DATE (2005)	27-06																			
	HARVEST DATE (2005)	17-10																			
	IRRIGATION NOS	-																			
	FERTILIZER APPLIED N	60																			
	P	40																			
	K	20																			

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

TABLE NO. 68

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT JORHAT IN TRIAL NO. TR67Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT ASP. *		EAR ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV.	
		JORH	R	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH
1	J C - 3272	2979	6	51.0	54.7	83.0	25.0	2.8	2.7	2.3	162	66	26												
2	L - 201	2730	9	50.3	54.0	82.7	23.6	2.5	2.5	2.7	158	68	35												
3	E H - 1389	3051	5	51.7	55.3	83.3	25.1	2.7	2.3	2.5	166	71	34												
4	E H - 1485	2461	11	53.0	57.0	83.0	25.7	2.8	2.7	2.5	164	69	33												
5	F H - 3273	2859	7	52.3	56.3	82.7	24.4	3.2	2.7	2.7	172	76	29												
6	F H - 3289	1878	12	52.7	56.7	82.7	25.0	3.0	2.8	2.3	165	70	31												
7	A H - 31405	3123	4	52.7	56.3	83.0	24.4	2.7	2.7	2.3	160	70	31												
8	X - 2484	3221	2	53.0	57.0	82.7	23.8	2.8	2.7	2.8	171	71	26												
9	P M Z - 146	2638	10	51.7	55.3	82.0	25.6	2.8	2.7	2.8	176	74	27												
CHECKS:																									
10	PARKASH	3235	1	49.3	53.3	80.7	23.9	2.7	2.5	2.7	173	70	27												
11	X - 3342	3148	3	49.0	53.0	80.0	26.6	2.8	2.7	2.8	172	65	24												
12	KIRAN	2815	8	49.3	53.3	80.7	24.3	2.8	2.5	2.8	169	68	33												
MEAN YIELD=																									
MEAN STAND																									
C.D. AT 5%=																									
C.V. % =																									
F (Prob)																									
PLOT SIZE=																									
AGRONOMY DATA:																									
SOWING DATE(2005) 30-06																									
HARVEST DATE(2005) 27-09																									
IRRIGATION NOS																									
FERTILIZER APPLIED N 80																									
P 40																									
K 40																									

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

TABLE NO. 69

PERFORMANCE OF EXTRA EARLY EXPERIMENTAL HYBRIDS & COMPOSITES AT JORHAT IN TRIAL NO. TR68Z1 DURING KHARIF (2005).

SI NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE	50% POLL. SHED	50% SILK -ING	50% DRY HUSK	MOIS -TURE %	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO -RMITY *	PLANT HT. (cm)	EAR HT. (cm)	STAND AT HARV. JORH
1	F H - 3248	3088	51.3	55.0	83.0	24.0	2.8	3.0	2.5	3.2	164	70	24
2	F H - 3277	2688	49.3	53.3	81.0	24.8	3.0	3.2	2.8	3.7	162	69	23
3	F H - 3288	2889	49.3	53.0	81.0	25.9	3.2	3.3	2.7	3.0	179	72	26
4	V L - 103	2609	48.3	52.3	80.7	23.2	3.2	3.2	2.3	2.8	167	73	22
5	V L - 108	2730	46.7	50.0	81.0	24.6	3.2	3.0	2.7	2.8	166	73	26
6	V L - 110	2672	49.3	53.7	83.0	23.8	2.8	3.2	3.0	2.7	171	77	25
7	A H - 23029	2662	49.7	53.7	81.7	24.9	2.8	3.0	2.5	2.7	162	66	29
8	A H - 23021	2513	47.7	51.7	81.7	23.7	3.0	3.2	2.7	2.7	169	71	26
9	A H - 23025	2542	46.3	51.0	81.0	25.4	2.8	2.7	3.0	2.7	166	78	25
CHECKS:													
10	SURYA	2775	48.7	53.0	83.0	23.7	3.5	3.2	2.7	3.0	167	69	26
11	AMAR	2757	47.3	51.0	80.7	25.7	3.3	3.3	2.5	2.7	171	75	28
12	HIM - 129	2865	49.3	53.3	82.7	24.6	2.8	3.2	2.7	3.0	168	71	25
	MEAN YIELD=	2733	-	-	-	-	-	-	-	-	-	-	-
	MEAN STAND	26	48.6	52.6	81.7	24.5	3.0	3.1	2.7	2.9	168	72	26
	C.D. AT 5%=	339	2.7	2.6	2.1	0.7	0.6	0.6	0.7	0.7	6.1	5.7	5.0
	C.V. %	7.34	3.2	2.9	1.5	1.7	11.5	11.8	15.0	13.4	2.1	4.7	11.5
	F (Prob)	.096	.035	.024	.131	.000	.316	.720	.672	.126	.001	.009	.240
	PLOT SIZE=	4.80											
AGRONOMY DATA:													
	SOWING DATE(2005)	30-06											
	HARVEST DATE(2005)	27-09											
	IRRIGATION NOS	-											
	FERTILIZER APPLIED	N 80											
		P 40											
		K 40											

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

TABLE NO. 70

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT JORHAT IN TRIAL NO. TR71Z1 DURING KHARIF (2005).

Sl NO	PEDIGREE	GRAIN YIELD		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT ASP. *		EAR ASP. *		HUSK COV. -RMITY *		UNIFO PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV. JORH		
		JORH	R	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH
1	J K M H - 1701	2527	6	52.3	56.0	80.0	23.7	2.9	2.9	2.9	3.0	172	72	68										
2	F H - 3259	2637	5	52.3	56.3	80.5	25.1	2.6	2.9	2.6	158	64	68											
3	H K H - 1176	2704	4	51.5	55.5	79.5	25.1	2.6	2.8	2.8	168	72	69											
CHECKS:																								
4	PARKASH	2949	1	52.8	57.0	80.3	23.6	2.4	2.6	2.6	176	75	66											
5	X- 3342	2727	3	52.3	56.5	79.8	25.0	2.9	2.8	2.9	162	68	67											
6	KIRAN	2824	2	50.5	55.0	79.3	24.4	2.6	2.8	2.8	162	71	59											
MEAN YIELD=		2728																						
MEAN STAND		66																						
C.D. AT 5% =		118																						
C.V. % =		2.91																						
F (Prob)		.002																						
PLOT SIZE=		9.60																						
AGRONOMY DATA:																								
SOWING DATE(2005)		5-07																						
HARVEST DATE(2005)		1-10																						
IRRIGATION Nos		-																						
FERTILIZER APPLIED N		80																						
P		40																						
K		40																						

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

TABLE NO. 71

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRIDS AT JORHAT IN TRIAL NO. TR72Z1 DURING KHARIF (2005).

Sl No	No PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT ASP. *		EAR ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV. JORH				
		JORH	R	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	JORH	
1	F H - 3211	3086	4	51.8	55.8	79.8	24.0	2.6	2.9	3.0	2.8	159	71	66														
2	F QH - 4567	3087	3	49.5	53.5	79.3	24.8	2.6	2.9	2.8	2.9	168	74	60														
CHECKS:																												
3	HIM - 129	3386	1	48.0	52.0	78.5	24.9	3.0	2.8	2.9	2.8	173	79	63														
4	SURYA	3103	2	48.3	52.5	78.5	24.5	2.9	2.9	2.9	2.8	172	76	62														
5	AMAR	3017	5	49.3	54.0	79.0	24.1	3.0	3.0	2.6	3.0	167	74	69														
6	VIVEK HYBRID - 9	2836	6	48.0	52.0	78.5	24.1	2.6	3.0	2.8	3.0	168	71	65														
MEAN YIELD=																												
MEAN STAND																												
C.D. AT 5%=																												
C.V. % =																												
F (Prob)																												
PLOT SIZE=																												
AGRONOMY DATA:																												
SOWING DATE(2005)																												
HARVEST DATE(2005)																												
IRRIGATION Nos																												
FERTILIZER APPLIED N																												
P																												
K																												

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

TABLE NO. 72

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS & COMPOSITES AT SRINAGAR IN TRIAL NO. TR66 OF 2004 KHARIF AND PLANTED DURING KHARIF 2005.

SL NO	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE	50% POLL. SHED	50% SILK DRYING	50% DRY HUSK	MOIS -TURE %	PLANT ASP. *	EAR ASP. *	HUSK COV. *	UNIFO -RMITY *	PLANT HT. (cm)	EAR HT. (cm)	STAND AT HARV. SRIN SRIN
1	J C - 1459	2115	11	85.5	87.8	146.5	17.7	3.3	3.1	3.2	193	83	92
2	B H - 3443	2880	9	82.3	84.5	143.0	18.5	3.3	3.3	3.2	192	80	94
3	P M Z - 136	3539	3	82.3	84.5	142.5	19.8	3.2	3.2	3.1	184	85	93
4	N M H - 1034	3238	6	82.3	84.8	145.3	21.2	3.2	3.2	3.2	186	90	92
5	KAVERI - 2288	3944	1	84.5	86.5	144.3	17.9	3.1	3.1	3.1	186	87	91
6	N E C H - 126	3320	4	82.0	84.3	142.0	17.3	3.1	3.2	3.2	190	87	92
7	N E C H - 127	1890	12	85.0	87.5	146.3	19.4	3.1	3.2	3.1	191	85	93
8	B I O - 22069	2721	10	83.5	86.3	140.5	19.7	3.1	3.1	3.0	193	90	93
9	X - 2005	3302	5	83.3	85.3	144.8	17.9	3.1	3.2	3.2	190	89	91
10	S M H - 3758	3587	2	84.5	86.8	146.8	18.6	3.2	3.1	3.2	192	90	92
CHECKS:													
11	NAVJOT	2926	8	85.3	87.8	143.5	19.7	3.2	3.1	3.2	191	92	93
12	KH 510	2942	7	83.5	85.8	144.3	19.9	3.1	3.1	3.1	195	92	93
MEAN YIELD=													
MEAN STAND													
C.D. AT 5%=													
C.V. % =													
F (Prob)													
PLOT SIZE=													
AGRONOMY DATA:													
		SOWING DATE (2005)		17-04									
		HARVEST DATE (2005)		16-09									
		IRRIGATION NOS		3									
		FERTILIZER APPLIED		N 90		P 60		K 40					

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

TABLE NO. 73

PERFORMANCE OF EARLY MATURING EXPERIMENTAL HYBRIDS AT SRINAGAR IN TRIAL NO. TR67 OF 2004 KHARIF AND PLANTED DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD		50% POLL. SHED SRIN	50% SILK -ING SRIN	50% DRY HUSK SRIN	MOIS -TURE %		EAR ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV. SRIN	
		SRIN	R				SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN
1	F H - 3259	4263	5	71.0	73.3	135.0	18.4	3.2	3.1	3.2	3.1	3.2	3.1	206	100	100	91			
2	J H - 31005	4095	7	73.3	75.8	135.5	17.3	3.2	3.1	3.2	3.1	3.2	3.1	207	99	99	92			
3	J H - 31036	4565	4	69.0	71.3	135.3	17.7	3.2	3.1	3.2	3.1	3.2	3.1	199	95	95	92			
4	H K H - 1176	3343	10	69.8	72.8	134.0	19.0	3.0	3.2	3.1	3.0	3.1	3.0	206	103	103	90			
5	SGMH - 101	5039	1	69.8	71.8	133.5	18.4	3.1	3.0	3.1	3.0	3.1	3.0	202	100	100	91			
6	J K M H - 1701	4967	2	71.0	73.3	135.5	19.0	3.2	3.3	3.2	3.3	3.2	3.1	207	101	101	92			
7	X - 2097	4237	6	72.5	75.8	133.8	17.8	3.2	3.2	3.2	3.2	3.0	3.1	207	102	102	89			
CHECKS:																				
8	KIRAN	3777	8	73.0	75.5	135.5	17.6	3.2	2.9	3.1	3.1	3.1	3.2	198	98	98	92			
9	MAHI KANCHAN	3199	11	70.8	73.0	133.0	20.3	3.0	3.2	3.1	3.1	3.1	3.1	208	102	102	90			
10	PARKASH	3663	9	71.5	73.5	134.3	18.9	3.0	3.0	3.2	3.0	3.2	3.1	200	100	100	91			
11	X - 3342	4633	3	70.0	72.0	133.3	19.3	3.1	3.1	3.2	3.1	3.2	3.2	212	103	103	90			
MEAN YIELD=																				
MEAN STAND																				
C.D. AT 5%=																				
C.V. % =																				
F (Prob)																				
PLOT SIZE=																				
AGRONOMY DATA:																				
SOWING DATE(2005)																				
HARVEST DATE(2005)																				
IRRIGATION NOS																				
FERTILIZER APPLIED N																				
P																				
K																				

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

TABLE NO. 74

PERFORMANCE OF EXTRA EARLY MATURING EXPERIMENTAL HYBRID & COMPOSITE AT SRINAGAR IN TRIAL NO. TR68 OF 2004 KHARIF AND PLANTED DURING KHARIF (2005).

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT ASP. %		EAR ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV.		
		SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN	R	SRIN
1	F H - 3211	3908	1	72.3	74.8	76.0	76.3	136.8	135.3	19.6	21.0	3.2	3.2	3.2	3.2	3.0	3.3	3.2	3.0	193	206	87	100	90	85	
2	B V M - 7	3896	2	73.8	76.0	76.0	76.3	136.8	135.3	19.6	21.0	3.2	3.2	3.2	3.2	3.3	3.3	3.2	3.0	193	206	87	100	90	85	
CHECKS:																										
3	SURYA	3753	3	73.5	76.3	76.3	76.3	134.0	134.0	18.3	18.3	3.1	3.2	3.2	3.2	3.3	3.3	3.1	3.1	176	176	79	79	81	81	
4	KIRAN	3099	5	73.5	76.3	76.3	76.3	136.5	136.5	19.2	19.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	184	184	84	84	78	78	
5	HIM - 129	3392	4	73.0	75.5	75.5	75.5	133.3	133.3	19.1	19.1	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.1	185	185	82	82	87	87	
	MEAN YIELD=	3610		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MEAN STAND	84		73.2	75.8	75.8	75.8	135.1	135.1	19.4	19.4	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	189	189	86	86	84	84	
	C.D. AT 5%=	966		4.3	3.8	3.8	3.8	2.1	2.1	4.6	4.6	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	16.7	16.7	14.3	14.3	7.7	7.7	
	C.V. %	17.65		3.8	3.3	3.3	3.3	1.0	1.0	15.4	15.4	4.7	4.7	3.7	3.7	2.4	2.4	3.4	3.4	5.7	5.7	10.8	10.8	5.9	5.9	
	F (Prob)	.150		.941	.896	.896	.896	.014	.014	.789	.789	.285	.285	.480	.480	.002	.002	.587	.587	.020	.020	.057	.057	.039	.039	
	PLOT SIZE=	12.00																								
AGRONOMY DATA:																										
	SOWING DATE(2005)	13-04																								
	HARVEST DATE(2005)	5-10																								
	IRRIGATION NOS	3																								
	FERTILIZER APPLIED	N 90																								
		P 60																								
		K 40																								

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

TABLE NO. 75

PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT SRINAGAR IN TRIAL No. TR70 OF 2004 KHARIF AND PLANTED DURING KHARIF 2005.

Sl No	PEDIGREE	GRAIN YIELD		50% POLL. SHED		50% SILK -ING		50% DRY HUSK		MOIS -TURE %		PLANT ASP. *		EAR ASP. *		HUSK COV. *		UNIFO -RMITY *		PLANT HT. (cm)		EAR HT. (cm)		STAND AT HARV. SRIN	
		SRIN	R	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN	SRIN
1	P M Z - 131	4122	1	85.0	87.3	145.8	19.4	3.2	3.2	3.3	3.1	214	102	117											
2	Z M H - 2021	3825	2	82.8	85.3	144.3	21.0	3.4	3.2	3.2	3.2	211	95	117											
3	Z M H - 2027	3522	4	83.0	85.0	144.0	18.9	3.2	3.2	3.2	3.1	205	107	118											
CHECKS:																									
4	KH 510	3485	5	84.8	87.5	145.5	17.9	3.0	3.2	3.0	3.0	201	98	120											
5	NAVJOT	3816	3	82.5	84.8	144.8	18.6	3.2	3.1	3.1	3.1	219	107	116											
	MEAN YIELD=	3754		-	-	-	-	-	-	-	-	-	-	-											
	MEAN STAND	118		83.6	85.9	144.9	19.1	3.2	3.2	3.2	3.1	210	102	118											
	C.D. AT 5%=	583		2.4	2.6	3.3	3.7	0.2	0.2	0.2	0.1	18.7	12.3	6.2											
	C.V. % =	10.24		1.8	2.0	1.5	12.4	3.9	3.6	3.5	3.1	5.8	7.8	3.4											
	F (Prob)	.180		.113	.103	.737	.449	.043	.470	.088	.428	.281	.203	.664											
	PLOT SIZE=	18.00																							
AGRONOMY DATA:																									
	SOWING DATE(2005)	18-04																							
	HARVEST DATE(2005)	18-09																							
	IRRIGATION Nos	3																							
	FERTILIZER APPLIED	N	90																						
		P	60																						
		K	40																						

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

AGRONOMY

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Table 1: Relative performance of pre-release germplasm of Full Season at different levels of Nitrogen during Kharif 2005 in Zone II

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)		
		Ludhiana	Kanpur	Karnal	Ludhiana	Kanpur	Karnal
N 60	JH - 10655	4917	6156	4005	65.3	63.9	63.7
	BH - 3313	2231	5511	2230	64.1	62.5	63.3
	SEEDTECH - 2324	3692	7933	4180	62.3	64.4	63.7
	BIO - 9681	3502	5511	3923	62.7	62.8	64.0
	PRO - 311	3340	6756	3333	66.2	63.3	65.0
N 120	JH - 10655	6377	6800	5350	62.0	61.9	63.7
	BH - 3313	2329	6044	2895	66.6	61.1	63.7
	SEEDTECH - 2324	4442	8400	5363	66.3	64.7	64.3
	BIO - 9681	4444	6189	5480	66.0	61.4	63.3
	PRO - 311	5338	7422	4852	69.4	64.4	63.3
N 180	JH - 10655	7589	7433	6547	64.6	64.4	63.7
	BH - 3313	3021	6733	3792	62.0	62.8	63.3
	SEEDTECH - 2324	5431	8900	6540	66.3	64.4	63.0
	BIO - 9681	5252	6689	6607	66.4	63.3	63.7
	PRO - 311	5975	8111	5048	67.4	65.6	63.3

Location mean	4524	6973	4676	64.5	63.4	63.7
C.D.(5%) A B A Bk	771	278	399	4.0	1.8	1.2
C.D.(5%) A Bk-A Bk	867	298	375	5.7	1.8	1.3
F(5%)	s	n.s.	s	s	n.s.	n.s.

N 60	3537	6373	3534	64.1	63.4	63.9
N 120	4586	6971	4766	64.3	62.7	63.7
N 180	5460	7573	5707	66.1	64.1	63.4

C.D.(5%) A A A	538	189	119	4.4	0.7	0.8
C.V.(%) Error A	11.7	2.4	2.5	6.8	1.0	1.6
F(5%)	s	s	s	n.s.	s	n.s.

JH - 10655	6288	6796	5301	64.0	63.4	63.7
BH - 3313	2527	6096	2972	61.6	62.1	63.4
SEEDTECH - 2324	4522	8411	5358	64.3	64.5	63.7
BIO - 9681	4400	6130	5337	65.0	62.5	63.7
PRO - 311	4883	7430	4411	67.7	64.4	63.9

C.D.(5%) B B B	445	160	231	2.3	1.1	0.7
C.V.(%) Error B	10.1	2.4	5.1	3.7	1.7	1.3
F(5%)	s	s	s	s	s	n.s.

Cont..

A - 2

Main Plot	Treatment	No. of Cobs (000/ha)		Days to 50% Silking		Plant Height (cm)	
		Ludhiana	Kanpur	Ludhiana	Kanpur	Ludhiana	Kanpur
N 60	JH - 10655	63.9	62.8	60.3	59.3	180.0	176.3
	BH - 3313	58.3	61.1	59.3	59.0	150.0	173.7
	SEEDTECH - 2324	64.4	63.1	62.0	60.0	151.7	173.3
	BIO - 9681	61.3	62.2	60.0	57.0	163.3	172.7
	PRO - 311	66.0	62.6	60.0	58.3	161.7	171.7
N 120	JH - 10655	63.0	61.7	59.3	61.0	196.7	171.7
	BH - 3313	60.9	61.1	58.3	58.0	163.3	175.0
	SEEDTECH - 2324	67.4	63.3	60.0	60.3	163.3	170.3
	BIO - 9681	67.8	61.1	58.7	57.7	171.7	173.3
	PRO - 311	69.2	63.3	58.7	61.7	180.0	171.0
N 180	JH - 10655	63.4	63.3	58.7	57.0	206.7	174.0
	BH - 3313	59.7	61.9	57.3	58.0	173.3	175.7
	SEEDTECH - 2324	66.4	63.6	59.0	56.3	180.0	176.3
	BIO - 9681	67.4	62.2	57.0	58.7	185.0	174.3
	PRO - 311	67.4	64.7	57.7	57.7	185.0	171.0

Location mean	64.4	62.6	59.1	58.7	174.1	173.4
C.D.(5%) AiBj-AiBk	4.4	1.8	1.6	1.9	7.4	5.8
C.D.(5%) AiBk-AjBk	4.3	1.8	1.6	2.4	7.5	7.2
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.

N 60	62.8	62.4	60.3	58.7	161.3	173.5
N 120	65.6	62.1	59.0	59.7	175.0	172.3
N 180	64.9	63.2	57.9	57.5	186.0	174.3

C.D.(5%) Ai-Aj	1.8	0.9	0.8	1.7	3.8	5.1
C.V.(%) Error A	2.7	1.4	1.3	2.8	2.1	2.9
F(5%)	s	n.s.	s	n.s.	s	n.s.

JH - 10655	63.4	62.6	59.4	59.1	194.4	174.0
BH - 3313	59.6	61.4	58.3	58.3	162.2	174.8
SEEDTECH - 2324	66.0	63.3	60.3	58.9	165.0	173.3
BIO - 9681	65.5	61.9	58.6	57.8	173.3	173.4
PRO - 311	67.5	63.6	58.8	59.2	175.6	171.2

C.D.(5%)Bi-Bj	2.5	1.0	0.9	1.1	4.2	3.3
C.V.(%)ErrorB	4.0	1.7	1.6	2.0	2.5	2.0
F(5%)	s	s	s	n.s.	s	n.s.

Cont...

A - 3

Main Plot	Treatment	Days of 50% Pollen Shed	Ear Height (cm)	Days of 50% Dry Husk	Moisture %
		Kanpur	Kanpur	Karnal	Karnal
N 60	JH - 10655	55.0	54.7	85.0	16.0
	BH - 3313	54.7	53.3	85.3	16.2
	SEEDTECH - 2324	56.3	54.7	84.7	16.3
	BIO - 9681	52.7	55.0	84.0	16.2
	PRO - 311	54.7	55.7	84.0	16.2
N 120	JH - 10655	56.0	53.3	84.7	16.2
	BH - 3313	53.7	55.0	85.0	16.0
	SEEDTECH - 2324	56.7	57.7	84.3	16.0
	BIO - 9681	53.7	54.0	85.0	16.7
	PRO - 311	56.7	57.3	85.0	16.5
N 180	JH - 10655	53.0	54.7	85.0	16.7
	BH - 3313	53.7	55.3	84.7	16.2
	SEEDTECH - 2324	51.7	55.0	84.0	16.0
	BIO - 9681	54.7	56.7	84.3	16.7
	PRO - 311	54.0	56.0	84.7	16.3

Location mean	54.5	55.2	84.6	16.3
C.D.(5%) AIBj-AIBk	2.7	2.8	1.0	0.7
C.D.(5%) AIBk-AjBk	2.8	3.8	1.1	0.7
F(5%)	s	n.s.	n.s.	n.s.

N 60	54.7	54.7	84.6	16.2
N 120	55.3	55.5	84.8	16.3
N 180	53.4	55.5	84.5	16.4

C.D.(5%) Ai-Aj	1.0	2.9	0.7	0.3
C.V.(%) Error A	1.9	5.1	0.8	1.9
F(5%)	s	n.s.	n.s.	n.s.

JH - 10655	54.7	54.2	84.9	16.3
BH - 3313	54.0	54.6	85.0	16.1
SEEDTECH - 2324	54.9	55.8	84.3	16.1
BIO - 9681	53.7	55.2	84.4	16.6
PRO - 311	55.1	56.3	84.6	16.3

C.D.(5%) BI-BJ	1.5	1.6	0.6	0.4
C.V.(%) Error B	2.9	3.0	0.7	2.4
F(5%)	n.s.	n.s.	n.s.	n.s.

A - 4

Table 2. Relative performance of pre-release germplasm of Medium Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone I

Main Plot	Treatment	Grain Yield (kg/ha)		Plant Stand (000/ha)		No. of Cobs (000/ha)	
		Bajaura	Kangra	Bajaura	Kangra	Bajaura	Kangra
N 60	PMZ - 136	3287	4917	76.5	64.2	72.6	63.9
	KAVERI - 2288	4370	4278	79.3	64.2	71.4	60.3
	BIO - 22069	4363	2278	80.6	62.5	75.3	58.6
	NAVJOT	2310	3472	81.7	63.6	77.8	60.8
	KH - 510	2490	4694	72.9	66.7	65.7	65.8
	BH - 3443	1953	2750	62.7	37.8	61.2	35.8
N 120	PMZ - 136	5207	7028	81.6	65.0	78.3	63.9
	KAVERI - 2288	5890	4306	78.9	61.4	76.8	58.1
	BIO - 22069	5227	3083	77.1	63.9	72.3	61.4
	NAVJOT	4287	4333	81.5	62.8	78.3	60.8
	KH - 510	4913	5333	74.8	65.8	70.3	64.4
	BH - 3443	3917	3250	78.0	37.5	74.0	34.7
N 180	PMZ - 136	5863	6889	78.7	64.7	78.0	63.3
	KAVERI - 2288	8580	4222	74.5	62.8	73.1	59.7
	BIO - 22069	7067	3417	76.3	63.3	73.8	59.2
	NAVJOT	5980	3917	80.0	59.4	78.3	57.2
	KH - 510	6270	6306	73.7	68.1	71.1	66.4
	BH - 3443	5293	3333	75.3	46.7	72.9	43.9

Location mean	4846	4323	76.9	60.0	73.3	57.7
C.D.(5%) AIBj-AiBk	642	398	9.7	5.0	10.5	4.7
C.D.(5%) AIBk-AjBk	680	562	9.5	5.6	10.4	5.0
F(5%)	s	s	n.s.	s	n.s.	s

N 60	3126	3731	75.6	59.8	70.7	57.5
N 120	4907	4556	78.6	59.4	75.0	57.2
N 180	6507	4681	76.4	60.8	74.2	58.3

C.D.(5%) Ai-Aj	355	438	3.6	3.3	4.2	2.5
C.V.(%) Error A	7.9	11.0	5.0	5.9	6.2	4.7
F(5%)	s	s	n.s.	n.s.	n.s.	n.s.

PMZ - 136	4776	6278	78.9	64.6	75.6	63.7
KAVERI - 2288	6280	4269	77.6	62.8	73.7	59.4
BIO - 22069	5552	2926	78.0	63.2	73.8	59.7
NAVJOT	4192	3907	81.1	61.9	78.1	59.6
KH - 510	4558	5444	73.8	66.9	69.0	65.6
BH - 3443	3721	3111	72.0	40.6	69.4	38.1

C.D.(5%)BI-Bj	371	229	5.6	2.9	6.1	2.7
C.V.(%)ErrorB	7.9	5.5	7.6	5.0	8.6	4.9
F(5%)	s	s	s	s	s	s

Cont..

A - 5

Main Plot	Treatment	Plant Height (cm)		Barren Plant		Days to 50% Silking	
		Bajaura	Kangra	Bajaura	Kangra		
N 60	PMZ - 136	136.3	175.3	5.2	57.3		
	KAVERI - 2288	154.0	193.0	6.6	54.3		
	BIO - 22069	149.0	165.3	7.6	54.7		
	NAVJOT	139.7	169.0	5.9	53.3		
	KH - 510	136.3	172.0	11.4	57.3		
	BH - 3443	136.7	171.7	8.0	54.0		
N 120	PMZ - 136	150.7	179.3	2.1	59.3		
	KAVERI - 2288	168.3	184.3	2.9	54.7		
	BIO - 22069	160.7	178.7	6.0	54.7		
	NAVJOT	161.0	165.3	2.5	54.3		
	KH - 510	154.7	177.0	6.7	59.3		
	BH - 3443	162.7	166.3	4.9	54.0		
N 180	PMZ - 136	162.7	174.0	3.0	57.7		
	KAVERI - 2288	166.3	194.0	2.3	54.7		
	BIO - 22069	173.7	181.0	3.2	55.0		
	NAVJOT	177.0	173.3	2.2	54.0		
	KH - 510	168.0	186.3	3.7	59.0		
	BH - 3443	167.0	179.0	2.5	54.0		

Location mean	158.0	176.9	4.8	55.6
C.D.(5%) AIBj-AIBk	16.5	10.6	2.2	1.2
C.D.(5%) AIBk-AJBk	19.1	12.3	2.4	1.3
F(5%)	n.s.	n.s.	n.s.	n.s.

N 60	142.0	174.4	7.5	55.2
N 120	159.7	175.2	4.2	56.1
N 180	172.4	181.3	2.8	55.7

C.D.(5%) AI-AJ	12.0	7.8	1.3	0.8
C.V.(%) Error A	8.2	4.7	29.4	1.5
F(5%)	s	n.s.	s	n.s.

PMZ - 136	149.9	176.2	3.4	58.1
KAVERI - 2288	169.6	190.4	4.0	54.6
BIO - 22069	161.1	175.0	5.6	54.8
NAVJOT	159.2	169.2	3.5	53.9
KH - 510	153.0	176.4	7.3	56.8
BH - 3443	155.4	172.3	5.1	54.0

C.D.(5%)BI-BJ	9.6	6.1	1.3	0.7
C.V.(%)ErrorB	6.3	3.6	27.1	1.3
F(5%)	s	s	s	s

A - 6

Table 3: Relative performance of pre-release germplasm of Medium Maturity at different levels of Nitrogen during Kharif 2005 in Zone II

Main Plot	Treatment	Grain Yield (kg/ha)				Plant Stand (000/ha)			
		Ludhiana	Kanpur	Delhi	Karnal	Ludhiana	Kanpur	Delhi	Karnal
N 60	PMZ - 136	4478	5689	3911	3290	77.8	64.2	64.4	53.0
	BIO - 22069	4856	7067	3644	3923	71.9	62.8	63.1	53.0
	NAVJOT	3937	4733	3822	3160	70.0	62.2	61.3	52.3
	KH - 510	4615	4356	3822	3703	71.9	63.6	61.3	52.7
N 120	PMZ - 136	5700	6289	4311	4310	75.9	63.1	66.7	52.3
	BIO - 22069	6248	7556	4178	5112	72.6	63.6	64.0	51.7
	NAVJOT	4704	5400	4178	3440	70.4	62.8	64.0	53.0
	KH - 510	5437	5111	4489	4570	71.9	63.6	63.1	53.7
N 180	PMZ - 136	6519	6800	4667	4852	78.5	61.9	66.7	52.3
	BIO - 22069	6837	7911	4578	6107	78.9	62.2	65.3	52.7
	NAVJOT	5352	5978	4533	4097	76.7	64.4	65.3	53.3
	KH - 510	5359	5644	4800	5350	71.5	62.5	64.4	53.7

Location mean	5337	6044	4244	4326	74.0	63.1	64.1	52.8
C.D.(5%) AiBj-AiBk	991	310	552	254	7.0	1.7	5.7	1.4
C.D.(5%) AiBk-AjBk	946	289	545	344	7.2	2.6	6.0	1.4
F(5%)	n.s.	n.s.	n.s.	s	n.s.	s	n.s.	n.s.

N 60	4471	5461	3800	3519	72.9	63.2	62.6	52.8
N 120	5522	6089	4289	4358	72.7	63.3	64.4	52.7
N 180	6017	6583	4644	5101	76.4	62.8	65.4	53.0

C.D.(5%) Ai-Aj	410	109	269	269	4.1	2.2	3.5	0.7
C.V.(%) Error A	6.8	1.6	5.6	5.5	4.9	3.1	4.8	1.1
F(5%)	s	s	s	s	n.s.	n.s.	n.s.	n.s.

PMZ - 136	5565	6259	4296	4151	77.4	63.1	65.9	52.6
BIO - 22069	5980	7511	4133	5047	74.4	62.9	64.1	52.4
NAVJOT	4664	5370	4178	3566	72.3	63.1	63.6	52.9
KH - 510	5137	5037	4370	4541	71.7	63.2	63.0	53.3

C.D.(5%)Bi-Bj	572	179	318	146	4.0	1.0	3.3	0.8
C.V.(%)ErrorB	10.8	3.0	7.6	3.4	5.5	1.5	5.2	1.6
F(5%)	s	s	n.s.	s	s	n.s.	n.s.	n.s.

Cont...

A - 7

Main Plot	Treatment	No. of Cobs (000/ha)			Days to 50% Silking		Plant Height (cm)		
		Ludhiana	Kanpur	Delhi	Ludhiana	Kanpur	Ludhiana	Kanpur	Delhi
N 60	PMZ - 136	74.4	63.3	64.0	59.7	58.7	153.3	168.0	107.3
	BIO - 22069	69.3	61.4	59.6	60.0	58.3	168.3	170.3	111.0
	NAVJOT	61.9	62.5	59.1	57.7	59.0	161.7	167.7	119.0
	KH - 510	64.1	63.1	59.6	59.7	59.0	156.7	167.7	120.0
N 120	PMZ - 136	75.2	61.9	64.9	57.3	57.0	166.7	164.0	118.7
	BIO - 22069	72.2	62.8	62.7	57.7	59.3	163.3	165.7	129.3
	NAVJOT	71.1	61.7	61.3	57.0	58.7	173.3	164.0	133.0
	KH - 510	61.9	62.8	61.3	57.0	57.7	168.3	166.3	136.0
N 180	PMZ - 136	78.9	61.1	64.9	55.3	59.0	180.0	172.7	127.0
	BIO - 22069	76.3	60.8	64.0	56.3	57.7	191.7	178.0	136.0
	NAVJOT	71.1	63.9	62.2	56.0	57.7	166.7	176.7	142.0
	KH - 510	64.1	61.4	61.3	56.3	59.3	163.3	175.0	143.7

Location mean	70.0	62.2	62.1	57.5	58.1	172.6	169.5	127.1
C.D.(5%) A B A Bk	7.1	2.4	4.5	1.1	3.3	8.7	3.5	3.5
C.D.(5%) A Bk-A Bk	8.5	2.5	4.3	1.2	3.0	8.7	4.8	3.2
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.

N 60	67.4	62.6	60.6	59.3	57.8	160.0	168.4	114.3
N 120	70.1	62.3	62.6	57.3	58.2	172.9	165.0	129.3
N 180	72.6	61.8	63.1	56.0	58.4	185.4	175.1	137.7

C.D.(5%) A A	6.0	1.4	1.6	0.8	0.8	4.4	3.8	1.0
C.V.(%) Error A	7.6	2.0	2.6	1.2	1.3	2.3	2.0	0.7
F(5%)	n.s.	n.s.	s	s	n.s.	s	s	s

PMZ - 136	76.2	62.1	64.6	57.4	57.6	166.7	168.2	117.7
BIO - 22069	72.6	61.7	62.1	58.0	57.8	181.1	170.7	126.1
NAVJOT	68.0	62.7	60.9	56.9	58.4	173.9	169.4	131.3
KH - 510	63.3	62.4	60.7	57.7	58.7	169.4	169.7	133.2

C.D.(5%) B B	4.1	1.4	2.6	0.6	1.9	5.0	2.0	2.0
C.V.(%) Error B	5.9	2.2	4.3	1.1	3.4	2.9	1.2	1.6
F(5%)	s	n.s.	s	s	n.s.	s	n.s.	s

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A - 8

Main Plot	Treatment	Days of	Ear	Days of	Moisture	Stover
		50% Pollen Shed	Height (cm)	50% Dry Husk	%	Yield (kg/ha)
		Kanpur	Kanpur	Karnal	Karnal	Delhi
N 60	PMZ - 136	53.3	59.3	82.3	16.2	5067
	BIO - 22069	53.0	61.3	83.0	16.0	4667
	NAVJOT	56.0	61.0	83.0	16.0	5200
	KH - 510	55.3	59.3	83.0	16.0	5067
N 120	PMZ - 136	54.0	52.7	83.3	15.7	5867
	BIO - 22069	56.0	56.0	83.3	16.5	5600
	NAVJOT	54.7	53.0	82.3	16.0	5867
	KH - 510	53.7	54.7	82.0	16.2	6267
N 180	PMZ - 136	54.7	55.0	82.7	16.3	6400
	BIO - 22069	53.3	54.3	83.0	16.2	6267
	NAVJOT	53.3	53.7	82.7	16.8	6267
	KH - 510	55.0	55.0	82.3	16.2	6667

Location mean	54.4	56.3	82.8	16.2	5767
C.D.(5%) AIBj-AIBk	3.1	4.4	1.3	0.7	1107
C.D.(5%) AIBk-AjBk	2.8	4.1	1.4	0.8	1051
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	54.4	60.3	82.8	16.0	5000
N 120	54.6	54.1	82.8	16.1	5900
N 180	54.1	54.5	82.7	16.4	6400

C.D.(5%) Ai-Aj	0.9	1.6	0.9	0.6	443
C.V.(%) Error A	1.4	2.6	1.0	3.2	6.8
F(5%)	n.s.	s	n.s.	n.s.	s

PMZ - 136	54.0	55.7	82.8	16.1	5778
BIO - 22069	54.1	57.2	83.1	16.2	5511
NAVJOT	54.7	55.9	82.7	16.3	5778
KH - 510	54.7	56.3	82.4	16.1	6000

C.D.(5%)Bi-Bj	1.8	2.5	0.7	0.4	639
C.V.(%)ErrorB	3.3	4.6	0.9	2.6	11.2
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

A - 9

Table 4: Relative performance of pre-release germplasm of Medium Maturity group at different levels of Nitrogen during Kharif 2005 at Zone III.

Main Plot	Treatment	Grain Yield (kg/ha)				Plant Stand (000/ha)			
		Baharaich	Dholi	Jashipur	Varanasi	Baharaich	Dholi	Jashipur	Varanasi
N 60	BIO - 22089	3493	3767	2458	3156	75.0	42.5	63.3	64.4
	NAVJOT	3208	4300	2083	2889	75.0	49.8	62.3	65.8
	KH - 510	4028	3833	2282	2933	73.6	46.7	63.8	63.6
N 120	BIO - 22089	4799	4800	3000	5022	74.3	41.7	66.7	64.4
	NAVJOT	3750	4483	2708	3422	75.0	51.0	64.8	64.4
	KH - 510	5278	4133	2771	4444	77.1	47.5	66.0	63.6
N 180	BIO - 22089	5798	4850	3208	4622	75.0	44.2	64.8	60.9
	NAVJOT	5000	4583	2875	3733	75.7	46.3	64.4	63.6
	KH - 510	7722	4167	3042	4222	75.0	47.8	66.6	59.6

Location mean	4786	4280	2715	3827	75.1	46.4	64.6	63.4
C.D.(5%) AiBj-AiBk	582	332	386	1034	4.5	3.3	3.1	3.0
C.D.(5%) AiBk-AjBk	958	310	442	1513	3.8	3.2	3.5	5.5
F(5%)	s	s	n.s.	n.s.	n.s.	s	n.s.	n.s.

BIO - 22089	3576	3900	2278	2993	74.5	46.3	63.1	64.6
NAVJOT	4609	4406	2826	4296	75.5	46.7	65.8	64.1
KH - 510	6174	4533	3042	4193	75.2	46.1	64.9	61.3

C.D.(5%) Ai-Aj	838	151	328	1268	1.2	1.8	2.5	4.9
C.V.(%) Error A	13.4	3.5	12.1	25.3	1.3	3.8	3.9	5.9
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.	n.s.

BIO - 22089	4697	4406	2889	4267	74.8	42.8	64.9	63.3
NAVJOT	3986	4456	2556	3348	75.2	49.1	63.8	64.6
KH - 510	5676	3978	2701	3867	75.2	47.3	65.1	62.2

C.D.(5%)Bi-Bj	336	192	211	597	2.6	1.9	1.8	1.7
C.V.(%)ErrorB	6.8	5.2	9.1	15.2	3.3	4.8	3.2	2.6
F(5%)	s	s	s	s	n.s.	s	n.s.	s

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A - 10

Main Plot	Treatment	No. of Cobs (000/ha)				Days to 50% Silking			
		Baharaich	Dholi	Jashipur	Varanasi	Baharaich	Dholi	Jashipur	Varanasi
N60	BIO - 22069	77.1	46.8	37.5	62.2	55.0	51.0	52.8	60.3
	NAVJOT	77.1	52.3	34.6	63.6	55.0	52.0	52.0	59.0
	KH - 510	75.0	47.0	36.7	61.8	55.0	51.5	51.5	59.0
N120	BIO - 22069	77.8	48.0	45.8	62.2	56.0	51.8	52.3	57.0
	NAVJOT	77.1	54.2	43.1	62.2	57.0	50.5	51.5	57.7
	KH - 510	77.8	50.0	45.4	63.1	55.3	51.0	52.5	57.3
N180	BIO - 22069	77.1	45.5	52.9	60.0	56.7	51.0	51.5	58.7
	NAVJOT	76.4	47.2	48.5	65.3	56.3	51.5	51.5	56.7
	KH - 510	75.7	51.3	50.4	58.2	57.0	51.5	62.3	59.0

Location mean	76.8	49.1	43.9	62.1	55.9	51.3	52.0	58.3
C.D.(5%) AiBj-AiBk	3.9	5.0	2.9	5.8	1.4	2.0	2.2	1.9
C.D.(5%) AiBk-AjBk	3.8	4.3	3.2	7.3	1.2	2.1	2.8	3.4
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N60	76.4	48.7	36.3	62.5	55.0	51.5	52.1	59.4
N120	77.5	50.7	44.8	62.5	56.1	51.1	52.1	57.3
N180	76.4	48.0	50.6	61.2	56.7	51.3	51.8	58.1

C.D.(5%) Ai-Aj	2.2	1.5	2.1	5.6	0.3	1.3	2.1	3.0
C.V.(%) Error A	2.2	3.1	4.7	6.9	0.3	2.5	4.1	4.0
F(5%)	n.s.	s	s	n.s.	s	n.s.	n.s.	n.s.

BIO - 22069	77.3	46.8	45.4	61.5	55.9	51.3	52.2	58.7
NAVJOT	76.9	51.2	42.1	63.7	56.1	51.3	51.7	57.8
KH - 510	76.2	49.4	44.2	61.0	55.8	51.3	52.1	58.4

C.D.(5%) Bi-Bj	2.2	2.9	1.7	3.3	0.8	1.1	1.3	1.1
C.V.(%) Error B	2.8	6.8	4.5	5.2	1.4	2.6	2.9	1.9
F(5%)	n.s.	s	s	n.s.	n.s.	n.s.	n.s.	n.s.

Cont...

A - 11

Main Plot	Treatment	Plant Height (cm)				Barren Plant
		Baharaich	Dholi	Jashipur	Varanasi	Varanasi
N60	BIO - 22069	159.7	164.1	157.5	220.7	1.7
	NAVJOT	158.0	154.3	137.5	205.7	1.7
	KH - 510	161.7	152.2	128.5	214.7	1.7
N120	BIO - 22069	174.0	160.0	155.9	238.3	2.0
	NAVJOT	173.3	156.4	144.8	219.7	1.7
	KH - 510	178.3	156.3	137.7	223.0	1.3
N180	BIO - 22069	188.3	171.3	157.6	243.7	1.0
	NAVJOT	195.0	162.4	147.9	240.0	1.3
	KH - 510	206.7	154.2	140.6	232.7	1.3

Location mean	177.2	159.0	145.3	226.5	1.5
C.D.(5%) AIBj-AIBk	9.7	13.5	8.5	16.4	2.0
C.D.(5%) AIBk-AjBk	9.9	13.3	9.0	20.8	2.0
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

N60	159.8	156.8	141.1	213.7	1.7
N120	175.2	157.6	146.1	227.0	1.7
N180	196.7	162.6	148.7	236.8	1.2

C.D.(5%) AI-Aj	6.0	7.5	5.8	14.6	1.2
C.V.(%) Error A	2.6	4.7	4.0	4.9	59.4
F(5%)	s	n.s.	s	s	n.s.

BIO - 22069	174.0	165.1	157.0	234.2	1.6
NAVJOT	175.4	157.7	143.4	221.8	1.6
KH - 510	182.2	154.2	135.6	223.4	1.4

C.D.(5%) Bi-Bj	5.6	7.8	4.9	10.6	1.1
C.V.(%) Error B	3.1	5.7	3.9	4.6	72.3
F(5%)	s	s	s	n.s.	n.s.

A - 12

Table 5: Relative performance of pre-release germplasm of Medium Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone IV

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)		No. of Cobs (000/ha)	
		Karimnagar	Kolhapur	Coimbatore*	Karimnagar	Kolhapur	Karimnagar	Kolhapur
N 60	PMZ -136	3263	1622	8021	58.5	62.2	50.9	50.7
	NAVJOT	3113	778	4479	60.8	63.3	57.6	36.0
	KH - 510	3788	1556	5625	50.3	61.1	43.6	37.3
N 120	PMZ -136	5875	3222	8646	59.9	62.0	63.8	51.3
	NAVJOT	4113	2356	5417	51.3	62.9	49.3	41.8
	KH - 510	5988	2778	6458	54.4	60.9	50.9	49.1
N 180	PMZ -136	6850	4733	9271	62.9	62.2	59.5	60.4
	NAVJOT	4100	2911	5938	62.4	62.4	55.8	48.2
	KH - 510	7488	3956	6979	50.6	60.2	53.4	50.2

Location mean	4963	2657	6759	56.8	61.9	53.8	47.2
C.D.(5%) AiBj-AiBk	1143	611	760	15.6	2.0	14.4	9.4
C.D.(5%) AiBk-AjBk	1199	659	973	13.7	2.2	13.9	11.6
F(5%)	s	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	3388	1319	6042	56.5	62.2	50.7	41.3
N 120	5325	2785	6840	55.2	61.9	54.6	47.4
N 180	6146	3867	7396	58.6	61.6	56.2	53.0

C.D.(5%) Ai-Aj	757	437	800	5.0	1.4	7.4	8.9
C.V.(%) Error A	15.3	12.6	4.8	8.9	1.7	13.7	14.4
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.

PMZ -136	5329	3193	8646	60.4	62.1	58.0	54.1
NAVJOT	3775	2015	5278	58.1	62.9	54.2	42.0
KH - 510	5754	2763	6354	51.8	60.7	49.3	45.8

C.D.(5%) Bi-Bj	660	353	439	9.0	1.2	8.3	5.4
C.V.(%) Error B	15.5	12.9	4.6	18.5	1.9	18.0	11.1
F(5%)	s	s	s	n.s.	s	n.s.	s

*Coimbatore: N-0, N-100, N-200

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A - 13

Main Plot	Treatment	Days to 50% Silking		
		Kolhapur	Karimnagar	Kolhapur
N 80	PMZ -136	80.3	174.5	113.7
	NAVJOT	84.7	172.0	99.0
	KH - 510	82.7	177.0	107.0
N 120	PMZ -136	80.7	187.8	118.3
	NAVJOT	82.0	179.8	113.0
	KH - 510	81.7	180.0	116.3
N 180	PMZ -136	82.0	191.5	117.3
	NAVJOT	86.0	180.3	113.0
	KH - 510	82.3	181.3	123.7

Location mean	82.5	180.4	113.5
C.D.(5%) A B - A Bk	4.4	11.3	12.0
C.D.(5%) A Bk - A Bk	4.5	12.8	11.5
F(5%)	n.s.	n.s.	n.s.

N 80	82.6	174.5	106.6
N 120	81.4	182.5	115.9
N 180	83.4	184.3	118.0

C.D.(5%) A - A	2.8	9.0	6.1
C.V.(%) Error A	3.4	5.0	4.1
F(5%)	n.s.	n.s.	s

PMZ -136	81.0	184.6	116.4
NAVJOT	84.2	177.3	108.3
KH - 510	82.2	179.4	115.7

C.D.(5%) B - B	2.5	6.5	6.9
C.V.(%) Error B	3.9	4.2	6.0
F(5%)	s	n.s.	s

A - 14

Table 6: Relative performance of pre-release germplasm of Medium Maturity group at Different levels of Nitrogen during Kharif 2005 In Zone V

Main Plot	Treatment	Grain Yield (kg/ha)				Plant Stand (000/ha)		
		Chhindwara	Godhra	Udaipur	Banswara	Chhindwara	Godhra	Udaipur
N 60	PMZ - 136	4963	3778	4127	3193	58.9	65.0	64.0
	AH - 017045	3398	2944	3723	3082	57.4	69.4	58.0
	AH - 017051	3781	3278	3222	3026	63.0	65.3	55.0
	NAVJOT	4333	5639	2335	2943	63.0	65.8	54.7
	KH - 510	5322	3431	4228	2915	63.3	64.4	61.3
N 120	PMZ - 136	5659	4472	4817	4526	65.2	65.6	63.3
	AH - 017045	4167	4375	4215	3987	64.8	67.5	57.3
	AH - 017051	4289	4000	3712	4220	64.4	68.1	56.0
	NAVJOT	4722	6083	2812	4192	65.2	66.7	54.0
	KH - 510	6067	4444	4722	4470	64.8	68.1	60.5
N 180	PMZ - 136	5493	6444	4530	4498	65.6	67.5	63.2
	AH - 017045	4385	4736	4328	4414	65.2	71.9	56.3
	AH - 017051	4652	4111	3817	4442	64.8	65.8	55.5
	NAVJOT	4937	7750	2822	4387	65.9	67.8	53.5
	KH - 510	6189	6000	4727	4320	64.8	67.8	60.0

Location mean	4824	4766	3862	3908	63.8	67.1	58.2
C.D.(5%) AiBj-AiBk	1174	1060	569	310	4.6	4.0	5.9
C.D.(5%) AiBk-AjBk	1853	1276	627	317	5.4	5.2	6.6
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	4359	3814	3527	3032	61.1	66.0	58.6
N 120	4981	4675	4015	4279	64.9	67.2	58.2
N 180	5131	5808	4045	4412	65.3	68.2	57.7

C.D.(5%) Ai-Aj	1550	873	371	157	3.5	3.8	4.0
C.V.(%) Error A	31.7	18.1	12.4	4.0	5.5	5.6	8.9
F(5%)	n.s.	s	s	s	n.s.	n.s.	n.s.

PMZ - 136	5372	4898	4424	4072	63.2	66.0	63.5
AH - 017045	3983	4019	4089	3828	62.5	69.6	57.2
AH - 017051	4241	3796	3583	3896	64.1	66.4	55.5
NAVJOT	4664	6491	2656	3841	64.7	66.8	54.1
KH - 510	5859	4625	4559	3902	64.3	66.8	60.6

C.D.(5%)Bi-Bj	678	612	329	179	2.7	2.3	3.4
C.V.(%)ErrorB	14.4	13.2	10.3	4.7	4.3	3.6	7.0
F(5%)	s	s	s	n.s.	n.s.	s	s

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A - 15

Main Plot	Treatment	No. of Cobs (000/ha)			Days to 50% Silking		
		Chhindwara	Godhra	Udaipur	Chhindwara	Godhra	Udaipur
N 60	PMZ - 136	49.6	62.8	60.7	54.00	47.00	53.00
	AH - 017045	50.4	48.9	54.0	54.33	48.00	54.00
	AH - 017051	53.3	55.0	53.3	54.67	48.33	55.00
	NAVJOT	56.7	48.9	51.3	52.67	47.33	53.00
	KH - 510	58.9	57.2	58.0	53.00	47.00	54.00
N 120	PMZ - 136	61.1	64.2	60.0	53.33	47.67	53.00
	AH - 017045	59.3	58.4	53.3	53.67	48.67	54.25
	AH - 017051	56.3	59.7	52.7	53.67	47.00	55.25
	NAVJOT	58.5	55.3	50.7	52.67	50.33	53.75
	KH - 510	59.6	59.2	55.7	52.33	48.67	54.25
N 180	PMZ - 136	61.9	67.5	59.5	52.33	51.00	53.25
	AH - 017045	60.4	60.0	53.0	53.67	51.33	54.25
	AH - 017051	58.5	61.7	52.3	52.33	50.67	55.25
	NAVJOT	62.6	60.0	50.2	53.33	51.67	53.25
	KH - 510	62.6	60.3	56.8	52.00	51.33	54.25

Location mean	58.0	58.5	54.8	53.20	48.80	53.98
C.D.(5%) A Bj-A Bk	7.6	8.9	4.2	2.89	1.31	3.32
C.D.(5%) A Bk-A Bj	11.3	8.6	4.9	3.02	1.51	3.73
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	53.8	54.6	55.5	53.73	48.73	53.80
N 120	59.0	58.9	54.5	53.13	48.47	54.10
N 180	61.2	61.9	54.4	52.73	51.20	54.05

C.D.(5%) Ai-Aj	9.2	3.3	3.2	1.60	0.98	2.27
C.V.(%) Error A	15.6	5.6	7.5	2.97	1.98	5.43
F(5%)	n.s.	s	n.s.	n.s.	s	n.s.

PMZ - 136	57.5	64.8	60.1	53.22	48.56	53.08
AH - 017045	56.7	55.1	53.4	53.89	48.67	54.17
AH - 017051	56.0	58.8	52.8	53.56	48.00	55.17
NAVJOT	59.3	54.7	50.7	52.89	49.78	53.33
KH - 510	60.4	58.9	56.8	52.44	49.00	54.17

C.D.(5%) B Bj	4.4	5.2	2.4	1.67	0.75	1.92
C.V.(%) Error B	7.7	9.1	5.3	3.22	1.59	4.29
F(5%)	n.s.	s	s	n.s.	s	n.s.

Cont...

A - 16

Main Plot	Treatment	Plant Height (cm)			Fodder Yield (kg/ha)	Barren Plants	PFSR affected Plants
		Chhindwara	Godhra	Udaipur	Godhra	Udaipur	Udaipur
N 60	PMZ - 136	173.7	148.7	200.8	5861	2.8	2.5
	AH - 017045	179.3	143.0	188.8	4583	4.3	4.0
	AH - 017051	168.7	128.3	160.0	5000	3.8	4.0
	NAVJOT	173.0	143.7	190.3	8722	7.0	7.0
	KH - 510	167.7	141.7	200.0	5250	2.0	2.0
N 120	PMZ - 136	176.3	166.7	220.0	6917	2.8	2.8
	AH - 017045	180.3	153.0	209.0	6861	4.3	4.0
	AH - 017051	171.0	142.3	178.3	6306	4.0	4.0
	NAVJOT	176.0	158.3	203.0	9556	8.0	8.0
	KH - 510	177.7	160.3	223.8	7056	1.8	2.0
N 180	PMZ - 136	179.7	173.3	226.3	10250	4.5	4.0
	AH - 017045	183.0	163.7	214.8	7444	4.5	5.0
	AH - 017051	191.0	155.3	184.5	6500	4.8	5.0
	NAVJOT	183.0	165.7	219.5	12139	7.3	8.0
	KH - 510	189.7	167.0	233.5	9472	3.5	3.0

Location mean	178.0	154.1	203.5	7461	4.3	4.4
C.D.(5%) AiBj-AiBk	15.5	8.8	29.1	1663	1.6	1.0
C.D.(5%) AiBk-AjBk	20.0	9.2	32.8	2002	2.4	2.0
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	172.5	141.1	188.0	5883	4.0	3.9
N 120	176.3	156.1	206.8	7339	4.2	4.2
N 180	185.3	165.0	215.7	9161	4.9	5.0

C.D.(5%) Ai-Aj	14.7	4.9	20.2	1371	1.9	1.8
C.V.(%) Error A	8.1	3.1	12.8	18.1	57.6	53.6
F(5%)	n.s.	s	s	s	n.s.	n.s.

PMZ - 136	176.6	162.9	215.7	7676	3.3	3.1
AH - 017045	180.9	153.2	204.2	6296	4.3	4.3
AH - 017051	178.9	142.0	174.3	5935	4.2	4.3
NAVJOT	177.3	155.9	204.3	10139	7.4	7.7
KH - 510	178.3	156.3	219.1	7259	2.4	2.3

C.D.(5%)Bi-Bj	8.9	5.1	16.8	960	0.9	0.6
C.V.(%)ErrorB	5.2	3.4	10.0	13.2	25.3	16.7
F(5%)	n.s.	s	s	s	s	s

Table 7. Relative performance of pre-release germplasm of Early Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone I

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)		No. of Cobs (000/ha)	
		Almora*	Bajaura	Jorhat**	Bajaura	Jorhat	Bajaura	Jorhat
N 60	FH - 3259	2685	3887	3133	79.0	57.6	75.5	57.1
	JKMH - 1701	3210	4970	2351	80.2	57.3	76.3	54.9
	KIRAN	1772	3390	2331	78.9	58.4	75.8	56.2
	PARKASH	2253	3410	2420	82.3	56.2	80.0	54.9
	X - 3342	2438	4460	2684	72.8	56.9	70.4	56.2
	HKH - 1176	2870	4153	2849	73.1	57.3	70.3	56.2
N 100	FH - 3259	3333	5863	3513	81.0	58.0	80.0	64.0
	JKMH - 1701	4475	6477	2869	80.4	56.2	77.8	61.1
	KIRAN	2963	4957	3004	77.3	56.7	73.8	62.9
	PARKASH	2870	5560	3191	77.0	57.3	75.3	61.6
	X - 3342	3673	5763	3042	78.8	57.3	75.5	59.6
	HKH - 1176	4056	5013	3309	79.8	58.9	77.3	63.6
N 160	FH - 3259	4444	7133	3353	80.4	56.7	79.2	62.9
	JKMH - 1701	5062	8633	3129	79.4	56.9	78.0	64.2
	KIRAN	3704	5793	3138	76.3	57.1	74.3	63.3
	PARKASH	3333	7273	3242	81.3	56.7	77.3	63.3
	X - 3342	4136	6410	3369	75.5	59.6	73.4	64.4
	HKH - 1176	4877	6937	3462	78.0	59.3	74.2	67.3

Location mean	3453	5560	3022	78.4	57.5	75.8	60.8
C.D.(5%) AiBj-AiBk	582	610	380	7.8	3.3	7.9	4.1
C.D.(5%) AiBk-AjBk	610	661	372	7.4	3.9	8.1	10.5
F(5%)	n.s.	s	n.s.	n.s.	n.s.	n.s.	n.s.

N 60	2538	4045	2628	77.7	57.3	74.7	55.9
N 100	3562	5606	3155	79.0	57.4	76.6	62.1
N 160	4259	7030	3282	78.5	57.7	76.1	64.3

C.D.(5%) Ai-Aj	309	366	138	2.1	2.6	3.9	9.8
C.V.(%) Error A	9.7	7.11	4.9	2.9	5.0	5.5	17.5
F(5%)	s s		s	n.s.	n.s.	n.s.	n.s.

FH - 3259	3488	5628	3333	80.1	57.4	78.2	61.3
JKMH - 1701	4249	6693	2783	80.0	56.8	77.4	60.1
KIRAN	2813	4713	2824	77.5	57.4	74.7	60.8
PARKASH	2819	5414	2951	80.2	56.7	77.5	59.9
X - 3342	3416	5544	3032	75.7	57.9	73.1	60.1
HKH - 1176	3934	5368	3207	77.0	58.5	73.9	62.4

C.D.(5%) Bi-Bj	336	352	219	4.5	1.9	4.6	2.4
C.V.(%) Error B	10.1	6.58	7.5	5.9	3.4	6.2	4.1
F(5%)	s	s	s	n.s.	n.s.	n.s.	n.s.

*Almora - N-50, 100, 150 (kg/ha)

**Jorhat - N - 60, 120, 180 (kg/ha)

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Main Plot	Treatment	Plant Height (cm)			Cob Length (cm)	Cob Diameter (cm)	Test Weight 1000 grain (g)	Barren Plant	
		Almora	Bajaura	Jorhat				Bajaura	Jorhat
N 60	FH - 3259	205.0	160.7	150.3	9.6	11.9	192.7	4.3	6.7
	JKMH - 1701	198.7	165.0	143.7	10.7	12.0	214.8	4.9	10.3
	KIRAN	200.3	176.3	143.3	8.6	10.1	153.6	5.0	9.3
	PARKASH	198.7	165.7	144.7	9.2	9.7	165.9	3.0	11.0
	X - 3342	201.0	156.7	145.3	9.1	12.2	190.8	3.3	9.0
	HKH - 1176	195.7	156.7	147.0	8.7	11.8	165.3	3.8	9.3
N 100	FH - 3259	214.3	169.0	156.0	10.6	12.5	201.6	2.4	4.7
	JKMH - 1701	210.3	180.3	151.0	11.8	12.5	221.9	3.6	6.0
	KIRAN	210.7	186.7	151.0	9.8	11.2	160.7	4.6	6.0
	PARKASH	207.7	190.3	154.0	9.9	10.7	173.6	3.2	5.7
	X - 3342	214.0	181.7	156.0	10.3	12.7	201.6	3.1	5.3
	HKH - 1176	217.7	184.3	156.0	10.8	12.1	170.3	4.6	5.3
N 160	FH - 3259	215.0	174.7	159.0	10.6	13.1	205.1	2.2	4.0
	JKMH - 1701	210.3	172.3	157.0	12.1	13.1	222.0	1.9	4.3
	KIRAN	215.3	188.3	155.3	10.3	11.5	163.9	2.5	5.3
	PARKASH	210.3	197.0	155.7	10.2	10.6	177.1	4.3	4.0
	X - 3342	218.7	195.3	155.7	10.5	12.6	202.7	2.2	4.0
	HKH - 1176	225.0	176.0	159.3	12.5	13.1	201.0	1.7	3.7

Location mean	209.4	176.5	152.2	10.3	11.9	188.0	3.4	6.3
C.D.(5%) AiBj-AiBk	10.8	17.6	5.4	1.0	1.2	7.2	2.4	2.2
C.D.(5%) AiBk-AjBk	10.8	19.3	5.6	1.2	1.2	9.5	2.5	2.6
F(5%)	n.s.	n.s.	n.s.	s	n.s.	s	n.s.	n.s.

N 60	199.9	163.5	145.7	9.3	11.3	180.5	4.1	9.3
N 100	212.4	182.1	154.0	10.5	12.0	188.3	3.6	5.5
N 160	215.8	183.9	157.0	11.0	12.3	195.3	2.5	4.2

C.D.(5%) Ai-Aj	4.5	11.0	2.8	0.9	0.6	7.0	1.2	1.8
C.V.(%) Error A	2.3	6.7	2.0	9.4	5.4	4.0	40.1	30.5
F(5%)	s	s	s	s	s	s	n.s.	s

FH - 3259	211.4	168.1	155.1	10.3	12.5	199.8	3.0	5.1
JKMH - 1701	206.4	172.6	150.6	11.5	12.5	219.6	3.5	6.9
KIRAN	208.8	183.8	149.9	9.6	10.9	159.4	4.0	6.9
PARKASH	205.6	184.3	151.4	9.8	10.4	172.2	3.5	6.9
X - 3342	211.2	177.9	152.3	10.0	12.5	198.4	2.9	6.1
HKH - 1176	212.8	172.3	154.1	10.6	12.3	178.9	3.4	6.1

C.D.(5%)Bi-Bj	6.3	10.1	3.1	0.6	0.7	4.2	1.4	1.2
C.V.(%)ErrorB	3.1	6.0	2.1	5.7	6.0	2.3	43.4	20.5
F(5%)	n.s.	s	s	s	s	s	n.s.	s

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Table 8: Relative performance of pre-release germplasm of Early Maturity at different levels of Nitrogen during Kharif 2005 in Zone II

Main Plot	Treatment	Grain Yield (kg/ha)				Plant Stand (000/ha)			
		Ludhiana	Kanpur	Delhi	Karnal	Ludhiana	Kanpur	Delhi	Karnal
N 40	KAVERI - 2020	4711	4133	2711	3160	69.8	60.3	62.7	52.7
	KIRAN	3848	4156	2800	2492	74.8	61.7	62.2	52.0
	PARKASH	4996	3622	2711	2707	72.6	61.1	60.0	52.3
	X - 3342	4611	4911	3067	3270	67.8	63.1	60.9	53.3
N 100	KAVERI - 2020	5885	4600	3733	3988	69.6	62.2	64.0	52.3
	KIRAN	5067	4778	3600	2993	72.2	62.5	63.6	53.3
	PARKASH	5619	4244	3600	3642	71.5	61.7	63.1	54.7
	X - 3342	5500	5244	4000	4680	70.7	62.8	64.0	53.3
N 160	KAVERI - 2020	5941	5044	4267	5135	70.7	60.3	63.6	52.7
	KIRAN	5293	5311	4133	3660	70.0	60.8	66.7	53.3
	PARKASH	6122	4800	4267	4182	73.7	62.8	63.6	53.7
	X - 3342	5733	5711	4533	5418	71.9	62.5	64.9	52.7

Location mean	5277	4713	3619	3777	71.3	61.8	63.3	53.0
C.D.(5%) AiBj-AjBk	821	295	534	419	7.3	2.2	4.2	1.3
C.D.(5%) AiBk-AjBk	897	278	546	499	6.9	2.5	4.5	1.6
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.

N 40	4542	4208	2822	2907	71.2	61.5	61.4	52.6
N 100	5518	4717	3733	3826	71.0	62.3	63.7	53.4
N 160	5772	5217	4300	4599	71.6	61.6	64.7	53.1

C.D.(5%) Ai-Aj	560	112	297	350	2.6	1.7	2.7	1.2
C.V.(%) Error A	9.4	2.1	7.2	8.2	3.3	2.5	3.8	2.0
F(5%)	s	s	s	s	n.s.	n.s.	n.s.	n.s.

KAVERI - 2020	5512	4593	3570	4094	70.0	60.9	63.4	52.6
KIRAN	4736	4748	3511	3048	72.3	61.7	64.1	52.9
PARKASH	5579	4222	3526	3510	72.6	61.9	62.2	53.6
X - 3342	5281	5289	3867	4456	70.1	62.8	63.3	53.1

C.D.(5%) Bi-Bj	474	170	308	242	4.2	1.2	2.4	0.7
C.V.(%) Error B	9.1	3.6	8.8	6.5	6.0	2.0	3.9	1.4
F(5%)	s	s	n.s.	s	n.s.	s	n.s.	n.s.

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Main Plot	Treatment	No. of Cobs (000/ha)			Days to 50% Silking		Plant Height (cm)		
		Ludhiana	Kanpur	Delhi	Ludhiana	Kanpur	Ludhiana	Kanpur	Delhi
N 40	KAVERI - 2020	70.0	59.7	57.8	54.0	55.0	146.7	169.3	140.7
	KIRAN	72.2	61.4	61.8	54.3	56.3	160.0	170.0	127.7
	PARKASH	68.1	60.6	60.0	53.0	54.7	165.0	169.0	130.7
	X - 3342	74.8	63.1	59.1	53.0	55.0	173.3	169.7	152.0
N 100	KAVERI - 2020	70.0	61.7	60.9	52.7	54.3	165.0	169.0	150.0
	KIRAN	75.9	61.7	62.7	53.3	55.0	173.3	170.3	136.7
	PARKASH	75.9	61.7	62.2	52.0	54.3	180.0	172.0	141.0
	X - 3342	70.4	61.9	63.1	52.7	54.7	183.3	167.7	159.7
N 160	KAVERI - 2020	71.5	59.4	64.4	52.3	55.0	180.0	168.0	156.0
	KIRAN	73.7	60.6	64.4	51.0	56.0	181.7	171.0	144.0
	PARKASH	79.3	62.2	65.3	51.3	55.7	191.7	171.0	148.0
	X - 3342	77.8	62.2	64.4	51.3	55.3	191.7	169.7	164.7

Location mean	73.3	61.3	62.2	52.6	55.1	174.3	169.7	145.9
C.D.(5%) AIBj-AiBk	6.6	2.1	4.4	1.2	2.5	8.6	5.0	6.6
C.D.(5%) AIBk-AjBk	5.8	2.6	4.4	1.0	2.5	8.4	6.2	5.8
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

N 40	71.3	61.2	59.7	53.6	55.3	161.3	169.5	137.8
N 100	73.1	61.7	62.2	52.7	54.6	175.4	169.8	146.8
N 160	75.6	61.1	64.7	51.5	55.5	186.3	169.9	153.2

C.D.(5%) Ai-Aj	0.9	1.8	2.2	0.2	1.3	4.0	4.6	0.9
C.V.(%) Error A	1.1	2.6	3.2	0.4	2.1	2.0	2.4	0.6
F(5%)	s	n.s.	s	s	n.s.	s	n.s.	s

KAVERI - 2020	70.5	60.3	61.0	53.0	54.8	163.9	168.8	148.9
KIRAN	74.0	61.2	63.0	52.9	55.8	171.7	170.4	136.1
PARKASH	74.4	61.5	62.5	52.1	54.9	178.9	170.7	139.9
X - 3342	74.3	62.4	62.2	52.3	55.0	182.8	169.0	158.8

C.D.(5%) Bi-Bj	3.8	1.2	2.5	0.7	1.5	5.0	2.9	3.8
C.V.(%) Error B	5.2	2.0	4.1	1.3	2.7	2.9	1.7	2.6
F(5%)	n.s.	s	n.s.	s	n.s.	s	n.s.	s

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A - 21

Main Plot	Treatment	Days of 50% Pollen Shed	Ear Height (cm)	Days of 50% Dry Husk	Molsture %	Stover Yield (kg/ha)
		Kanpur	Kanpur	Kamai	Kamai	Delhi
N 40	KAVERI - 2020	49.7	52.3	83.3	16.0	4000
	KIRAN	51.7	53.3	83.3	16.0	4267
	PARKASH	50.3	54.3	83.3	16.3	4000
	X - 3342	49.7	52.7	83.0	16.5	4444
N 100	KAVERI - 2020	49.7	52.0	83.3	16.5	5600
	KIRAN	50.7	54.3	83.3	16.5	5467
	PARKASH	49.0	54.7	82.7	16.2	5333
	X - 3342	50.0	53.3	84.3	16.0	6000
N 160	KAVERI - 2020	51.3	55.0	83.3	16.2	6400
	KIRAN	52.3	54.3	82.7	16.2	6267
	PARKASH	51.3	56.3	83.0	16.3	6400
	X - 3342	50.7	52.0	83.7	16.3	6667

Location mean	50.5	53.7	83.3	16.3	5404
C.D.(5%) AIBj-AIBk	2.9	2.4	1.0	0.7	846
C.D.(5%) AIBk-AJBk	3.0	2.2	1.5	0.9	807.17
F(5%)	n.s.	n.s.	n.s.	n.s.	n.s.

N 40	50.3	53.2	83.3	16.2	4178
N 100	49.8	53.6	83.4	16.3	5600
N 160	51.4	54.4	83.2	16.3	6433

C.D.(5%) AI-Aj	1.6	0.6	1.3	0.6	347
C.V.(%) Error A	2.9	1.1	1.4	3.3	6.7
F(5%)	n.s.	s	n.s.	n.s.	s

KAVERI - 2020	50.2	53.1	83.3	16.2	5333
KIRAN	51.6	54.0	83.1	16.2	5333
PARKASH	50.2	55.1	83.0	16.3	5244
X - 3342	50.1	52.7	83.7	16.3	5704

C.D.(5%) BI-Bj	1.7	1.4	0.6	0.4	489
C.V.(%) Error B	3.4	2.8	0.7	2.5	9.1
F(5%)	n.s.	s	n.s.	n.s.	n.s.

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Table 9: Relative performance of pre-release germplasm of Early Maturity group at different levels of Nitrogen during Kharif 2005 at Zone III.

Main Plot	Treatment	Grain Yield (kg/ha)				Plant Stand (000/ha)			
		Baharaich	Dholi	Jashipur	Varanasi	Baharaich	Dholi	Jashipur	Varanasi
N 40	FH - 3259	2778	3367	3278	2578	75.0	49.2	61.7	60.9
	JKMH - 1701	3750	4050	3528	3556	75.0	51.7	61.9	65.8
	X - 1150 (32T25)	4583	5617	3167	4622	74.3	52.3	63.9	64.9
	KIRAN	3160	3883	2944	4089	75.7	51.0	61.9	64.9
	PARKASH	2778	4700	3111	3644	75.0	51.5	63.6	63.1
	X - 3342	3229	4600	3444	4044	74.3	48.5	63.3	63.6
N 100	FH - 3259	4403	4367	4250	4533	74.3	46.3	66.9	61.8
	JKMH - 1701	5382	4783	4472	5200	73.6	48.8	67.5	65.3
	X - 1150 (32T25)	6042	6283	4222	6311	75.7	51.3	65.8	66.2
	KIRAN	5000	4533	3861	4711	72.2	50.5	65.6	63.1
	PARKASH	4340	5017	4000	5156	75.0	52.0	62.8	60.9
	X - 3342	5139	5550	4306	6356	72.9	51.5	65.8	64.4
N 160	FH - 3259	6146	4633	4556	5156	74.3	48.0	66.4	61.3
	JKMH - 1701	6667	5933	4806	6000	73.6	47.2	62.8	64.0
	X - 1150 (32T25)	7917	7150	4472	6578	76.4	44.2	63.3	65.8
	KIRAN	6667	4400	4222	5200	76.4	51.3	66.7	64.4
	PARKASH	6319	5417	4389	5733	75.0	51.2	63.9	66.2
	X - 3342	7083	6200	4722	6578	75.7	51.0	65.0	65.3

Location mean	5077	5027	3986	5002	74.7	49.9	64.4	64.0
C.D.(5%) AiBj-AiBk	579	351	334	610	3.2	2.4	4.1	3.5
C.D.(5%) AiBk-AjBk	561	408	683	578	3.3	3.0	4.6	3.4
F(5%)	n.s.	s	n.s.	s	n.s.	s	n.s.	n.s.

N 40	3380	4369	3245	3756	74.9	50.7	62.7	63.9
N 100	5051	5089	4185	5378	74.0	50.1	65.7	63.6
N 160	6800	5622	4528	5874	75.2	48.8	64.7	64.5

C.D.(5%) Ai-Aj	195	256	617	161	1.5	2.2	2.6	1.4
C.V.(%) Error A	4.1	7.2	16.7	3.5	2.2	6.2	4.4	2.3
F(5%)	s	s	s	s	n.s.	n.s.	n.s.	n.s.

FH - 3259	4442	4122	4028	4089	74.5	47.8	65.0	61.3
JKMH - 1701	5266	4922	4269	4919	74.1	49.2	64.1	65.0
X - 1150 (32T25)	6181	6350	3954	5837	75.5	49.3	64.4	65.6
KIRAN	4942	4272	3676	4667	74.8	50.9	64.7	64.1
PARKASH	4479	5044	3833	4844	75.0	51.6	63.4	63.4
X - 3342	5150	5450	4157	5659	74.3	50.3	64.7	64.4

C.D.(5%)Bi-Bj	334	203	193	352	1.9	1.4	2.4	2.0
C.V.(%)ErrorB	6.8	4.9	5.0	7.3	2.6	3.3	3.8	3.3
F(5%)	s	s	s	s	n.s.	s	n.s.	s

Cont..

A - 23

Main Plot	Treatment	No. of Cobs (000/ha)				Days to 50% Silking			
		Baharaich	Dholi	Jashipur	Varanasi	Baharaich	Dholi	Jashipur	Varanasi
N 40	FH - 3259	77.8	50.7	45.6	59.6	50.3	52.5	56.0	61.7
	JKMH - 1701	76.4	53.2	46.1	63.1	51.3	51.0	56.7	57.7
	X - 1150 (32T25)	77.1	53.3	41.9	62.7	51.7	52.3	53.7	56.0
	KIRAN	76.4	53.2	40.8	63.1	51.0	62.0	56.0	58.3
	PARKASH	76.4	54.2	42.5	60.4	51.0	50.8	57.3	56.7
	X - 3342	78.5	50.5	45.0	60.0	51.0	51.8	55.0	56.0
N 100	FH - 3259	77.1	50.0	59.7	64.0	51.3	50.5	54.0	55.0
	JKMH - 1701	76.4	50.3	59.2	64.9	51.7	50.8	56.0	56.3
	X - 1150 (32T25)	77.8	54.5	61.7	64.4	50.7	49.8	54.7	54.3
	KIRAN	77.1	51.8	59.7	63.8	51.3	51.0	55.7	55.7
	PARKASH	77.8	53.3	60.8	59.6	51.0	49.8	55.3	53.7
	X - 3342	75.0	52.5	63.1	64.9	51.0	50.8	54.7	55.0
N 160	FH - 3259	77.1	49.0	62.8	61.8	52.0	48.8	54.3	54.3
	JKMH - 1701	75.7	47.8	66.1	62.7	51.0	50.5	54.7	59.7
	X - 1150 (32T25)	77.1	49.0	64.2	63.6	50.0	49.3	53.7	55.0
	KIRAN	75.7	51.5	64.4	64.9	51.0	51.5	55.7	56.7
	PARKASH	75.0	55.8	65.8	66.2	51.3	47.5	55.3	54.0
	X - 3342	76.4	54.7	62.2	63.8	51.7	50.5	55.0	54.3

Location mean	76.7	51.9	56.2	62.9	51.1	50.6	55.2	56.1
C.D.(5%) AIBJ-AIBk	3.2	4.3	4.1	3.2	1.3	2.3	1.4	3.4
C.D.(5%) AIBk-AJBk	3.0	5.7	5.3	3.7	1.3	3.2	1.7	3.4
F(5%)	n.s.	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.

N 40	77.1	52.5	43.7	61.5	51.1	51.7	56.8	57.7
N 100	76.9	52.0	60.7	63.8	51.2	50.4	55.1	55.0
N 160	76.2	51.3	64.3	63.8	51.2	49.7	54.8	55.7

C.D.(5%) A-AJ	0.9	4.1	3.8	2.4	0.5	2.4	1.1	1.5
C.V.(%) Error A	1.3	11.2	7.4	4.2	1.1	6.8	2.1	2.9
F(5%)	n.s.	n.s.	s	n.s.	n.s.	n.s.	n.s.	s

FH - 3259	77.3	49.9	56.0	61.8	51.2	50.6	54.8	57.0
JKMH - 1701	76.2	50.4	57.1	63.6	51.3	50.8	55.8	57.9
X - 1150 (32T25)	77.3	52.3	55.9	63.8	50.8	50.4	54.0	55.1
KIRAN	76.4	52.1	55.0	63.9	51.1	51.5	55.8	56.9
PARKASH	76.4	54.4	56.4	62.1	51.1	49.3	56.0	54.8
X - 3342	76.6	52.6	56.8	62.8	51.2	51.0	54.9	55.1

C.D.(5%) BI-Bj	1.8	2.5	2.3	1.8	0.8	1.3	0.8	2.0
C.V.(%) Error B	2.5	5.9	4.3	3.0	1.5	3.2	1.6	3.6
F(5%)	n.s.	s	n.s.	n.s.	n.s.	n.s.	s	s

Cont...

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Main Plot	Treatment	Plant Height (cm)				Barren Plant
		Baharaich	Dholi	Jashipur	Varanasi	Varanasi
N 40	FH - 3259	162.0	125.2	129.1	187.7	1.3
	JKMH - 1701	162.0	144.2	127.1	207.0	1.7
	X - 1150 (32T25)	160.0	162.4	157.5	225.3	1.7
	KIRAN	164.3	162.7	134.8	216.0	1.7
	PARKASH	161.7	146.9	137.6	214.3	2.0
	X - 3342	166.7	158.6	156.0	219.7	2.7
N 100	FH - 3259	171.7	135.1	130.5	220.3	0.7
	JKMH - 1701	165.0	153.3	143.8	225.7	0.7
	X - 1150 (32T25)	175.0	165.2	154.8	234.7	2.0
	KIRAN	168.3	167.8	142.9	227.0	1.3
	PARKASH	173.3	160.6	143.2	235.3	1.3
	X - 3342	175.0	167.4	161.6	234.3	0.7
N 160	FH - 3259	181.7	142.8	130.4	222.0	1.0
	JKMH - 1701	183.3	151.9	146.5	233.3	1.0
	X - 1150 (32T25)	201.7	188.6	170.9	250.7	2.3
	KIRAN	195.0	170.4	141.6	233.3	0.0
	PARKASH	198.3	157.2	153.0	242.3	1.7
	X - 3342	193.3	164.8	167.1	240.3	2.0

Location mean	175.5	155.8	146.0	226.1	1.4
C.D.(5%) AiBj-AiBk	8.3	11.8	12.3	16.0	1.6
C.D.(5%) AiBk-AjBk	8.7	13.8	12.4	16.6	2.2
F(5%)	s	n.s.	n.s.	n.s.	n.s.

N 40	162.8	150.0	140.4	211.7	1.8
N 100	171.4	158.2	146.1	229.6	1.1
N 160	192.2	159.3	151.6	237.0	1.3

C.D.(5%) Ai-Aj	4.4	8.7	5.6	8.0	1.7
C.V.(%) Error A	2.7	7.9	4.1	3.8	130.0
F(5%)	s	n.s.	s	s	n.s.

FH - 3259	171.8	134.4	130.0	210.0	1.0
JKMH - 1701	170.1	149.8	139.1	222.0	1.1
X - 1150 (32T25)	178.9	165.4	161.1	236.9	2.0
KIRAN	175.8	167.0	139.8	225.4	1.0
PARKASH	177.8	154.9	144.6	230.7	1.7
X - 3342	178.3	163.6	161.6	231.4	1.8

C.D.(5%)Bi-Bj	4.8	6.8	7.1	9.3	0.9
C.V.(%)ErrorB	2.8	5.3	5.0	4.3	68.4
F(5%)	s	s	s	s	n.s.

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Table 10: Relative performance of pre-release germplasm of Early Maturity groups at different levels of Nitrogen during Kharif 2005 at Zone IV

Main Plot	Treatment	Grain Yield (kg/ha)			Plant Stand (000/ha)	
		Karimnagar	Kolhapur	Coimbatore*	Karimnagar	Kolhapur
N 40	JKMH - 1701	2233	1844	5938	50.8	60.4
	KAVERI - 2020	2000	844	5000	58.7	57.8
	FH - 3246	433	1022	3438	51.7	60.7
	KIRAN	2150	867	3438	43.8	61.8
	PARKASH	2417	1044	4271	56.3	61.3
	X - 3342	2150	1578	4479	48.7	62.4
N 100	JKMH - 1701	4183	2911	7292	54.3	62.0
	KAVERI - 2020	3600	2489	6458	52.8	62.2
	FH - 3246	1967	1667	4688	56.0	57.8
	KIRAN	2567	1244	4063	50.5	60.9
	PARKASH	3917	1622	4792	49.8	61.1
	X - 3342	4083	2822	5417	51.8	61.6
N 160	JKMH - 1701	5667	4489	7604	49.8	61.8
	KAVERI - 2020	4883	2689	6875	53.5	60.4
	FH - 3246	3167	2756	4896	46.0	61.8
	KIRAN	3050	1933	4375	55.0	62.7
	PARKASH	4433	2289	5313	52.7	62.0
	X - 3342	4533	3356	5521	57.2	62.4

Location mean	3191	2070	5214	52.2	61.1
C.D.(5%) A Bj-AiBk	985	468	653	13.3	4.2
C.D.(5%) A Bk-AjBk	1148	494	790	14.1	4.7
F(5%)	n.s.	s	n.s.	n.s.	n.s.

N 40	1897	1167	4427	51.7	60.7
N 100	3386	2126	5451	52.8	60.9
N 160	4289	2919	5764	52.4	61.8

C.D.(5%) A A	734	256	582	7.4	2.8
C.V.(%) Error A	24.8	13.4	6.4	15.4	5.0
F(5%)	s	s	s	n.s.	n.s.

JKMH - 1701	4028	3015	6944	51.7	61.3
KAVERI - 2020	3494	2007	6111	55.0	60.1
FH - 3246	1856	1815	4340	51.2	60.1
KIRAN	2589	1346	3958	49.8	61.8
PARKASH	3589	1652	4792	52.9	61.5
X - 3342	3589	2585	5139	52.6	62.1

C.D.(5%) B B	569	270	377	7.7	2.4
C.V.(%) Error B	18.5	13.5	5.9	15.3	4.1
F(5%)	s	s	s	n.s.	n.s.

*Coimbatore: N-0, N-100, N-200

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Main Plot	Treatment	No. of Cobs (000/ha)		Days to 50% Silking	Plant Height (cm)	
		Karimnagar	Kolhapur	Kolhapur	Karimnagar	Kolhapur
N 40	JKMH - 1701	43.0	32.2	64.3	143.3	108.7
	KAVERI - 2020	40.3	34.9	62.7	136.3	90.7
	FH - 3246	14.2	38.7	65.0	119.3	96.0
	KIRAN	40.2	32.4	64.7	149.0	116.0
	PARKASH	40.2	24.7	65.0	147.3	98.3
	X - 3342	39.8	48.7	64.3	154.0	108.7
N 100	JKMH - 1701	44.3	49.6	63.3	167.0	120.3
	KAVERI - 2020	60.3	51.6	64.7	158.0	95.7
	FH - 3246	30.5	40.4	62.3	158.7	111.7
	KIRAN	37.3	43.8	62.0	161.0	125.0
	PARKASH	44.7	49.3	58.3	174.7	127.0
	X - 3342	50.0	63.1	58.3	162.3	119.3
N 160	JKMH - 1701	47.2	64.4	57.7	163.3	124.7
	KAVERI - 2020	52.0	52.7	62.0	165.7	108.7
	FH - 3246	34.2	49.6	59.7	165.3	118.0
	KIRAN	42.3	48.9	63.0	166.3	119.3
	PARKASH	52.5	53.8	58.0	167.0	123.3
	X - 3342	61.7	74.0	60.3	174.3	127.0

Location mean	43.0	47.4	62.0	157.4	113.2
C.D.(5%) AiBj-AiBk	12.2	8.6	4.3	21.1	14.0
C.D.(5%) AiBk-AjBk	15.5	8.2	5.1	24.4	15.9
F(5%)	n.s.	s	n.s.	n.s.	n.s.

N 40	36.3	35.3	64.3	141.6	103.1
N 100	44.5	49.6	61.5	163.6	116.5
N 160	48.3	57.2	60.1	167.0	120.2

C.D.(5%) Ai-Aj	11.0	2.6	3.3	15.3	9.7
C.V.(%) Error A	27.7	6.0	5.8	10.5	9.3
F(5%)	n.s.	s	n.s.	s	s

JKMH - 1701	44.8	48.7	61.8	157.9	117.9
KAVERI - 2020	50.9	46.4	63.1	153.3	98.3
FH - 3246	28.3	42.9	62.3	147.8	108.6
KIRAN	39.9	41.7	63.2	158.8	120.1
PARKASH	45.8	42.6	60.4	163.0	116.2
X - 3342	50.5	61.9	61.0	163.6	118.3

C.D.(5%) Bi-Bj	7.0	5.0	2.5	12.2	8.1
C.V.(%) Error B	16.9	10.9	4.2	8.0	7.4
F(5%)	s	s	n.s.	n.s.	s

Table 11: Relative performance of pre-release germplasm of Early Maturity group at Different levels of Nitrogen during Kharif 2006 in Zone V

Main Plot	Treatment	Grain Yield (kg/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	JKMH - 1701	6167	4000	2778	2912	3248
	X - 1150 (32T25)	6267	2904	3028	1913	3181
	JH - 31036	5733	3496	3292	3415	3165
	KIRAN	4189	2000	2628	928	2998
	PARKASH	5044	2507	2250	2015	3142
	X - 3342	6211	3374	2667	1307	3415
	N100	JKMH - 1701	7056	4819	5250	3317
X - 1150 (32T25)		6822	3974	4792	2312	4186
JH - 31036		6067	4048	4611	3610	3565
KIRAN		5133	2581	3583	1307	3498
PARKASH		6256	3422	3528	2408	3848
X - 3342		6411	3737	4597	1705	4003
N160		JKMH - 1701	7467	5756	8861	3310
	X - 1150 (32T25)	6833	4183	8917	2310	4092
	JH - 31036	7000	5133	8260	3710	3748
	KIRAN	5000	3133	4542	1305	3626
	PARKASH	6433	3519	4694	2507	3942
	X - 3342	6356	4385	8431	1507	4165

Location mean	6136	3721	4817	2322	3670
C.D.(5%) AIBJ-AIBk	987	769	739	351	310
C.D.(5%) AIBk-AJBk	1123	1127	777	372	333
F(5%)	n.s.	n.s.	s	n.s.	n.s.

N40	5602	3047	2774	2082	3192
N100	6291	3764	4394	2443	3680
N160	6515	4353	7282	2441	3957

C.D.(5%) Ai-Aj	689	898	397	191	180
C.V.(%) Error A	12.1	26.1	8.9	11.6	5.3
F(5%)	s	s	s	s	s

JKMH - 1701	6896	4858	5630	3179	3828
X - 1150 (32T25)	6641	3690	5579	2178	3820
JH - 31036	6267	4226	5384	3578	3493
KIRAN	4774	2572	3584	1180	3374
PARKASH	5911	3149	3491	2310	3644
X - 3342	6326	3832	5231	1506	3861

C.D.(5%)BI-Bj	570	444	426	203	179
C.V.(%)ErrorB	9.6	12.4	9.2	10.6	5.1
F(5%)	s	s	s	s	s

Cont..

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Main Plot	Treatment	Plant Stand (000/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	JKMH - 1701	74.3	64.4	70.0	60.0	49.7
	X - 1150 (32T25)	70.6	62.2	69.2	59.3	58.9
	JH - 31036	72.0	63.0	66.1	62.0	55.8
	KIRAN	75.1	61.5	68.6	56.0	55.0
	PARKASH	76.1	61.1	66.7	57.5	55.3
	X - 3342	76.7	55.9	66.9	57.5	64.1
N100	JKMH - 1701	76.8	62.2	68.9	60.0	58.6
	X - 1150 (32T25)	73.7	60.7	69.4	58.8	62.5
	JH - 31036	71.8	63.0	70.3	62.8	56.3
	KIRAN	71.4	62.6	63.1	57.0	57.8
	PARKASH	73.9	64.1	67.2	57.7	61.1
	X - 3342	70.2	60.0	70.0	56.8	66.9
N160	JKMH - 1701	68.6	61.1	74.2	60.0	65.5
	X - 1150 (32T25)	69.8	59.3	72.8	58.7	62.7
	JH - 31036	71.2	63.3	70.0	62.7	62.5
	KIRAN	67.7	64.8	65.8	56.0	60.0
	PARKASH	68.9	64.8	71.9	58.8	61.4
	X - 3342	69.4	60.0	68.3	56.7	69.7

Location mean	72.1	61.9	68.9	58.7	60.2
C.D.(5%) AiBj-AjBk	5.4	6.8	4.9	6.3	3.5
C.D.(5%) AiBk-AjBk	7.2	7.7	4.6	7.2	3.8
F(5%)	n.s.	n.s.	n.s.	n.s.	s

N40	74.1	61.4	67.9	58.7	56.5
N100	73.0	62.1	68.1	58.9	60.5
N160	69.3	62.2	70.5	58.5	63.6

C.D.(5%) Ai-Aj	5.4	4.7	1.2	4.4	2.1
C.V.(%) Error A	8.1	8.2	1.9	10.5	3.7
F(5%)	n.s.	n.s.	s	n.s.	s

JKMH - 1701	73.2	62.6	71.0	60.0	57.9
X - 1150 (32T25)	71.3	60.7	70.5	58.9	61.4
JH - 31036	71.7	63.1	68.8	62.5	58.2
KIRAN	71.4	63.0	65.8	56.3	57.6
PARKASH	73.0	63.3	68.6	57.3	59.2
X - 3342	72.1	58.6	68.4	57.0	66.9

C.D.(5%)Bi-Bj	3.1	3.9	2.8	3.6	2.0
C.V.(%)ErrorB	4.5	6.6	4.3	7.5	3.5
F(5%)	n.s.	n.s.	s	s	s

Cont..

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Main Plot	Treatment	No. of Cobs (000/ha)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	JKMH - 1701	73.4	61.9	63.1	55.3	49.7
	X - 1150 (32T25)	69.7	57.4	60.3	43.3	59.7
	JH - 31036	71.4	60.4	59.7	58.7	56.9
	KIRAN	73.3	52.6	56.9	33.3	54.9
	PARKASH	74.8	53.7	53.3	51.3	55.3
	X - 3342	75.1	56.3	61.1	32.7	64.7
	N100	JKMH - 1701	76.4	63.3	66.9	55.3
X - 1150 (32T25)		71.8	60.4	65.8	43.7	63.9
JH - 31036		69.6	61.9	61.1	58.8	55.8
KIRAN		70.0	57.0	58.9	33.8	58.9
PARKASH		72.3	58.9	60.8	52.0	63.9
X - 3342		67.9	59.3	63.3	32.8	67.7
N160		JKMH - 1701	67.8	64.8	72.6	55.2
	X - 1150 (32T25)	69.0	61.1	71.4	43.5	63.0
	JH - 31036	69.9	64.1	68.6	58.8	63.0
	KIRAN	67.0	58.9	61.1	33.5	61.9
	PARKASH	67.0	61.5	63.9	50.8	61.6
	X - 3342	68.4	62.6	66.9	32.8	70.4

Location mean	70.8	59.8	63.1	45.9	60.9
C.D.(5%) AIBj-AIBk	5.6	6.3	4.5	5.9	4.3
C.D.(5%) AIBk-AJBk	6.9	6.4	5.0	6.4	4.3
F(5%)	n.s.	n.s.	n.s.	n.s.	s

N40	73.0	57.0	59.1	45.8	56.9
N100	71.3	60.1	62.8	46.1	61.5
N160	68.2	62.2	67.4	45.8	64.3

C.D.(5%) AI-Aj	4.8	2.9	3.0	3.6	1.7
C.V.(%) Error A	7.3	5.2	5.2	11.2	3.0
F(5%)	n.s.	s	s	n.s.	s

JKMH - 1701	72.6	63.3	67.5	55.3	57.9
X - 1150 (32T25)	70.1	59.6	65.8	43.5	62.2
JH - 31036	70.3	62.1	63.1	58.8	58.6
KIRAN	70.1	56.2	59.0	33.6	58.5
PARKASH	71.4	58.0	59.4	51.4	60.3
X - 3342	70.5	59.4	63.8	32.8	67.6

C.D.(5%) BI-Bj	3.2	3.6	2.6	3.4	2.5
C.V.(%) Error B	4.8	6.3	4.3	8.9	4.3
F(5%)	n.s.	s	s	s	s

Cont..

A - 30

Main Plot	Treatment	Days to 50% Silking				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	JKMH - 1701	48.7	56.3	47.3	50.0	50.3
	X - 1150 (32T25)	49.7	58.3	46.3	50.0	50.7
	JH - 31036	48.7	59.7	48.7	51.0	50.7
	KIRAN	47.0	59.7	47.3	50.8	50.0
	PARKASH	48.0	58.7	47.0	51.0	51.3
	X - 3342	47.0	56.7	46.7	49.0	50.3
N100	JKMH - 1701	48.7	54.7	47.3	50.3	50.3
	X - 1150 (32T25)	49.7	53.3	48.7	50.0	49.3
	JH - 31036	48.3	54.0	50.3	51.5	48.3
	KIRAN	48.0	59.0	48.7	51.3	48.0
	PARKASH	49.3	52.0	48.0	51.3	49.7
	X - 3342	46.0	53.7	49.0	49.5	48.7
N160	JKMH - 1701	49.3	54.0	49.3	50.0	50.0
	X - 1150 (32T25)	50.7	53.3	51.0	50.3	49.3
	JH - 31036	51.0	53.7	52.0	51.3	49.0
	KIRAN	48.7	55.0	49.0	51.5	48.7
	PARKASH	49.3	51.3	51.0	51.5	50.0
	X - 3342	48.0	52.7	51.7	49.5	49.7

Location mean	48.7	55.3	48.9	50.5	49.7
C.D.(5%) AiBj-AiBk	2.1	2.1	2.5	3.2	1.0
C.D.(5%) AiBk-AjBk	2.3	3.3	3.1	3.7	1.2
F(5%)	n.s.	s	n.s.	n.s.	n.s.

N40	48.2	58.2	47.2	50.3	50.6
N100	48.3	54.4	48.7	50.6	49.1
N160	49.5	53.3	50.7	50.7	49.4

C.D.(5%) Ai-Aj	1.4	2.7	2.1	2.4	0.8
C.V.(%) Error A	3.1	5.3	4.7	6.7	1.6
F(5%)	n.s.	s	s	n.s.	s

JKMH - 1701	48.9	55.0	48.0	50.1	50.2
X - 1150 (32T25)	50.0	55.0	48.7	50.1	49.8
JH - 31036	49.3	55.8	50.3	51.3	49.3
KIRAN	47.9	57.9	48.3	51.2	48.9
PARKASH	48.9	54.0	48.7	51.3	50.3
X - 3342	47.0	54.3	49.1	49.3	49.6

C.D.(5%)Bi-Bj	1.2	1.2	1.4	1.8	0.6
C.V.(%)ErrorB	2.5	2.3	3.1	4.4	1.2
F(5%)	s	s	s	n.s.	s

Cont..

A - 31

Main Plot	Treatment	Plant Height (cm)				
		Ambikapur	Chhindwara	Godhra	Udaipur	Banswara
N40	JKMH - 1701	239.3	158.3	121.3	210.0	160.0
	X - 1150 (32T25)	254.0	137.3	128.3	200.0	165.0
	JH - 31036	237.7	144.0	138.3	200.0	165.0
	KIRAN	238.0	147.3	125.7	177.5	165.0
	PARKASH	256.0	149.7	130.0	190.0	143.3
	X - 3342	251.0	150.3	127.3	195.0	163.3
N100	JKMH - 1701	260.3	159.7	140.3	240.0	165.0
	X - 1150 (32T25)	249.7	152.3	149.7	237.5	175.0
	JH - 31036	252.7	161.7	152.3	240.0	170.0
	KIRAN	246.3	149.0	133.7	220.0	180.0
	PARKASH	254.0	151.0	148.7	230.0	180.0
	X - 3342	243.7	151.3	140.0	240.0	170.0
N160	JKMH - 1701	273.3	185.0	151.3	242.5	166.7
	X - 1150 (32T25)	263.3	162.7	153.7	250.0	171.7
	JH - 31036	246.7	162.3	161.3	247.5	171.7
	KIRAN	261.0	162.3	152.3	220.0	171.7
	PARKASH	242.7	155.3	161.0	240.0	181.7
	X - 3342	242.3	163.3	153.7	255.0	168.3

Location mean	250.7	154.5	142.6	224.2	168.5
C.D.(5%) AIB-AIBk	18.8	18.5	7.8	31.0	8.9
C.D.(5%) AIBk-AjBk	23.2	17.7	8.4	32.5	8.5
F(5%)	s	n.s.	n.s.	n.s.	s

N40	246.0	147.5	128.5	195.4	160.3
N100	251.1	154.2	143.8	234.6	173.3
N160	254.9	161.8	155.6	242.5	171.9

C.D.(5%) AI-Aj	16.0	5.7	4.6	16.2	2.4
C.V.(%) Error A	6.9	4.0	3.5	10.2	1.5
F(5%)	n.s.	s	s	s	s

JKMH - 1701	257.7	160.3	137.7	230.8	163.9
X - 1150 (32T25)	255.7	150.8	143.9	229.2	170.6
JH - 31036	245.7	156.0	150.7	229.2	168.9
KIRAN	248.4	152.9	137.2	205.8	172.2
PARKASH	250.9	152.0	145.9	220.0	168.3
X - 3342	245.7	155.0	140.3	230.0	167.2

C.D.(5%) BI-Bj	10.9	10.7	4.5	17.9	5.2
C.V.(%) Error B	4.5	7.2	3.3	9.7	3.2
F(5%)	n.s.	n.s.	s	s	s

Cont..

A - 32

Main Plot	Treatment	Fodder Yield (kg/ha)	PFSR affected Plants	Barren Cobs	Barren Plants	
		Godhra	Udaipur	Udaipur	Ambikapur	Udaipur
N40	JKMH - 1701	4278	2.0	0.0	2.7	0.0
	X - 1150 (32T25)	4639	5.8	0.0	2.7	0.5
	JH - 31036	5028	2.0	0.0	1.7	0.0
	KIRAN	3972	14.5	1.0	5.3	2.5
	PARKASH	3472	10.0	0.3	4.0	1.5
	X - 3342	4083	15.8	0.8	4.7	3.3
N100	JKMH - 1701	8361	2.0	0.0	1.0	0.0
	X - 1150 (32T25)	7639	5.8	0.0	5.7	0.5
	JH - 31036	7361	2.0	0.0	6.7	0.0
	KIRAN	5894	14.0	0.8	4.3	3.3
	PARKASH	5583	9.8	0.0	4.7	1.5
	X - 3342	7250	16.3	1.0	7.0	3.8
N160	JKMH - 1701	13722	2.3	0.0	2.3	0.0
	X - 1150 (32T25)	14028	5.8	0.0	2.3	0.8
	JH - 31036	12889	2.3	0.0	4.0	0.0
	KIRAN	7250	14.3	1.0	2.0	2.3
	PARKASH	7556	11.5	0.5	5.7	1.5
	X - 3342	13333	17.8	1.5	3.0	3.5

Location mean	7563	8.5	0.4	3.9	1.4
C.D.(5%) AiBj-AiBk	1129	1.5	0.6	4.3	1.0
C.D.(5%) AiBk-AjBk	1220	1.7	0.6	5.0	1.0
F(5%)	s	n.s.	n.s.	n.s.	n.s.

N40	4245	8.3	0.3	3.5	1.3
N100	6981	8.3	0.3	4.9	1.5
N160	11463	9.0	0.5	3.2	1.3

C.D.(5%) Ai-Aj	671	1.0	0.3	3.3	0.4
C.V.(%) Error A	9.6	16.6	113.3	90.8	40.5
F(5%)	s	n.s.	n.s.	n.s.	n.s.

JKMH - 1701	8787	2.1	0.0	2.0	0.0
X - 1150 (32T25)	8769	5.8	0.0	3.6	0.6
JH - 31036	8426	2.1	0.0	4.1	0.0
KIRAN	5639	14.3	0.9	3.9	2.7
PARKASH	5537	10.4	0.3	4.8	1.5
X - 3342	8222	16.6	1.1	4.9	3.5

C.D.(5%)Bi-Bj	652	0.9	0.3	2.5	0.6
C.V.(%)ErrorB	9.0	12.6	103.6	66.2	50.8
F(5%)	s	s	s	n.s.	s

EHT	Pedigree	Plant mortality (%)	Chlorophyll (Immediately after WL)	Chlorophyll (1 week after WL)	Leaf rolling (Immediately after WL (8.00AM))	Leaf rolling (Immediately after WL (11.00AM))	Stress susceptibility score - 1 week after WL (1-3 scale)	Stress susceptibility score - 1 month after WL (1-3 scale)	Plant height (1W after WL)	No. of nodes with brace roots	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Grain yield (t/ha)
143	Gadag-9-2	0.0	34.8	40.0	1.0	1.0	1.3	1.0	45.1	2.0	65.0	64.0	-1.0	9.1	2.47
144	Gadag-9-3	11.9	32.2	45.3	1.5	2.5	1.5	1.0	39.9	2.3	69.5	66.0	-3.5	15.8	2.44
150	Gadag-20-1	3.2	40.8	42.6	1.5	2.0	1.3	1.0	42.7	2.0	55.5	59.5	4.0	7.5	2.43
153	Gadag-20-11	0.0	34.6	43.8	1.0	1.0	1.3	1.0	53.4	2.1	55.5	56.5	1.0	6.3	2.42
159	HK1106 (Check-1)	0.0	26.9	33.5	1.0	1.0	3.0	1.0	29.1	2.0	63.6	62.0	-1.5	3.2	2.40
1	WL7-**-1	0.0	44.3	45.0	1.0	1.0	1.0	1.1	75.9	2.2	51.0	54.0	3.0	3.4	2.39
6	WL29-**-2	7.7	33.8	36.0	1.0	2.0	2.0	1.3	42.4	2.0	58.9	59.0	0.5	0.0	2.24
9	WL29-**-2-1	2.8	37.1	41.0	1.0	3.5	1.4	1.3	68.9	1.0	52.5	52.0	-0.5	3.6	2.24
19	Pant-1-2	3.4	37.4	42.0	1.0	3.0	1.9	1.3	39.6	2.1	61.0	61.5	0.5	15.4	2.24
31	Gadag-8-3	0.0	34.5	23.3	1.0	3.0	1.4	1.3	56.4	2.0	54.5	54.0	-0.5	7.5	2.24
33	Gadag-10-2	3.6	35.8	44.4	1.0	1.0	1.5	1.3	62.2	2.0	52.0	54.0	2.0	6.3	2.24
43	Gadag-16	3.4	36.0	44.4	2.5	3.0	1.2	1.3	50.4	1.5	56.0	58.5	3.5	8.0	2.24
46	Pant-16 02K-3	6.7	36.7	46.2	1.0	3.0	1.7	1.3	41.6	2.5	56.5	56.0	0.5	3.2	2.24
54	CA14707	6.3	37.2	31.4	1.0	1.0	1.9	1.3	44.0	2.2	63.5	64.5	1.0	0.0	2.24
66	CA14517-2	7.2	29.8	37.0	1.0	2.5	1.5	1.3	40.3	2.7	63.5	61.0	-2.5	3.6	2.24
71	WL18-**-3-2	10.0	28.3	39.4	1.5	2.0	2.2	1.3	37.6	2.0	60.0	57.5	-2.5	9.1	2.24
72	WL36-**-4-1	7.7	29.0	37.6	2.0	3.5	2.2	1.3	35.8	3.0	61.0	62.5	1.5	15.6	2.24
78	CML327-2-5	6.7	24.4	34.9	1.5	1.5	2.2	1.3	42.9	2.0	56.0	64.5	8.5	7.5	2.24
84	CML-226-9-8-6-2	10.7	20.8	34.2	1.0	3.5	2.9	1.3	29.6	3.0	58.0	63.5	5.5	6.3	2.24
94	CML311-4-2	3.6	27.0	37.6	1.0	2.0	1.5	1.3	45.7	2.0	58.0	58.0	0.0	54.9	2.24
96	CML311-5	13.9	36.2	43.1	1.0	2.5	2.3	1.3	30.9	2.3	60.0	59.5	-0.5	8.4	2.24
98	WL9-**-4-4-2	5.0	31.9	37.9	1.0	1.0	1.9	1.3	49.1	2.4	57.5	58.5	1.0	0.0	2.24
122	Pant-7-6	10.0	34.5	42.4	1.0	2.5	1.7	1.3	38.3	2.7	61.0	62.5	1.5	10.0	2.24
132	DTALNEM-46-9	0.0	33.9	40.7	1.0	1.5	2.2	1.3	31.9	2.0	63.0	58.5	-4.5	0.0	2.24
141	Gadag-7-2	0.0	34.1	39.4	1.5	3.5	1.5	1.3	54.4	1.5	52.5	53.0	0.5	41.7	2.24
152	Gadag-20-8-2	0.0	40.5	48.9	1.5	1.5	1.7	1.3	38.1	1.5	56.0	52.5	-3.5	13.9	2.24
157	Pant-20-3	0.0	27.8	42.2	1.0	1.5	1.5	1.3	60.0	2.2	52.0	52.0	0.0	4.2	2.24
13	WL29-**-2-5	0.0	34.6	43.6	1.0	1.5	1.0	1.5	73.6	2.1	53.5	52.5	-1.0	22.1	2.16
56	CA03128	25.6	37.5	42.6	1.0	2.0	2.2	1.5	46.8	2.0	56.0	57.5	1.5	39.4	2.16
57	CA14517-1	3.4	32.7	29.7	1.5	2.0	1.6	1.3	54.2	2.3	62.5	64.0	1.5	55.2	2.16
48	Pant-19 02K-5	3.4	32.8	36.6	1.0	3.0	2.5	1.5	59.3	1.5	51.5	52.0	0.5	19.8	2.15
18	Pant-1-1	20.0	40.8	44.1	1.5	2.5	2.2	1.5	38.5	2.1	60.0	61.5	1.5	16.0	2.14
	P16TSR MH28-1-1-3-4														
155	BBB88-7	0.0	36.6	36.4	1.0	2.0	1.7	1.5	49.9	2.3	56.0	56.0	0.0	3.4	2.13
77	CM118-2	7.4	29.5	36.2	1.5	1.5	2.4	1.5	35.7	2.0	58.5	64.0	7.5	63.4	2.11
145	Gadag-9-7	16.7	26.0	37.2	1.5	2.0	2.7	1.5	31.3	2.3	73.5	66.0	-7.5	59.8	2.11
55	CA00106	3.9	34.1	39.0	1.0	1.0	2.4	1.5	39.4	2.1	66.0	65.5	-0.5	64.8	2.10
75	CML-311-9-8-2	3.6	38.0	38.3	1.5	4.0	2.5	1.5	43.4	1.5	59.0	68.0	-1.0	88.3	2.02

A - 94

EWT	Pestname	Plant mortality (%)	Chlorophyll (Immediately after WL)	Chlorophyll (1 week after WL)	Leaf rolling (8.00AM) after WL	Leaf rolling (Immediately after WL (11.00AM))	Stress susceptibility		Plant height (1W after WL)	No. of nodes with bracts roots	Days to 50% Anthraxis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Rock-logging (%)	Grain yield (t/ha)
							score-1 week after WL (1-3 scale)	score-1 month after WL (1-3 scale)							
51	CML425	10.0	28.5	37.7	1.5	2.5	2.5	1.5	28.8	2.6	61.0	62.0	1.0	10.7	1.99
26	Parent-3	30.0	35.2	38.4	2.5	2.0	2.5	1.8	51.9	1.5	55.0	55.5	0.5	91.7	1.89
91	AMATLCOHS44-1-1-2E-4-5-2-B-2-2	26.1	30.1	40.6	3.5	4.5	2.0	1.5	35.7	2.4	62.0	61.5	-0.5	8.4	1.89
28	Parent-6-2	10.7	40.0	45.7	1.5	2.0	1.2	1.8	54.6	2.1	51.5	53.0	1.5	18.9	1.87
93	CML311-4-1	6.7	28.3	36.0	1.0	1.0	1.5	1.5	42.6	2.5	60.0	63.5	3.5	27.9	1.87
29	Gadag-8-1	8.7	42.2	43.0	1.0	2.0	1.2	1.8	59.2	1.0	53.0	54.5	1.5	64.6	1.82
99	WL9-x-x-4-5-1	0.0	25.5	34.5	1.0	1.5	2.4	1.5	46.7	2.4	56.5	61.0	4.5	8.4	1.82
67	WL14-x-x-1-5	3.9	35.3	38.4	1.5	3.5	1.9	1.8	43.8	1.8	57.5	57.5	0.0	36.8	1.69
100	WL9-x-x-4-5-2	6.7	33.1	37.5	1.0	1.0	2.2	1.5	60.4	2.7	54.0	54.5	0.5	20.0	1.69
7	WL18-x-x-6-2	10.7	29.6	32.1	1.0	2.0	1.8	2.0	48.0	3.0	62.0	62.5	0.5	90.9	1.56
76	CML-311-B-B-5	3.6	28.9	35.7	1.0	3.5	2.7	1.8	37.9	2.4	59.0	58.5	-0.5	84.6	1.55
103	WL10-x-x-2-2	8.0	32.2	37.2	1.0	1.0	1.9	1.5	56.0	2.0	52.0	50.5	-1.5	21.6	1.55
80	PIO.301 1F2-3-5-3-B-B-9-1	27.3	31.7	41.6	2.0	3.0	2.2	1.8	36.8	1.0	58.0	56.5	-1.5	35.7	1.48
108	WL11-x-x-1-4-2	20.6	29.5	41.8	1.5	3.0	2.7	1.5	36.3	2.0	55.5	54.5	-1.0	0.0	1.48
149	Gadag-17-7	0.0	28.7	37.1	1.0	1.0	3.0	2.0	43.4	2.0	59.0	57.5	-1.5	50.0	1.40
97	WL9-x-x-4-4-1	0.0	34.1	42.6	1.0	1.5	2.4	1.8	30.4	2.3	58.0	59.5	1.5	12.5	1.39
4	WL15-x-x-1	3.2	32.5	35.6	1.0	1.5	1.9	2.3	47.9	2.2	56.5	56.5	0.0	6.3	1.29
14	CM500-1	3.2	33.4	30.4	1.0	1.0	2.0	2.0	52.5	3.0	68.0	68.5	0.5	83.4	1.29
124	DT/LNEM-4-4	20.1	36.6	49.6	1.5	2.5	2.5	1.5	52.0	1.5	56.0	56.0	0.0	7.7	1.23
92	AMATLCOHS44-1-1-2E-4-5-2-B-7	4.6	28.9	38.6	3.0	4.5	2.0	2.3	36.9	1.5	57.0	58.0	1.0	8.4	1.13
111	WL11-x-x-1-6-2	3.9	26.1	40.7	2.5	4.0	3.4	2.0	23.7	1.5	55.5	59.5	4.0	6.3	1.13
70	WL18-x-x-3-1	0.0	27.5	38.1	1.0	1.5	2.0	2.0	39.3	1.5	63.0	65.5	2.5	3.4	1.12
113	WL15-x-x-1-5	2.7	34.9	46.9	1.5	3.5	2.2	1.8	46.2	1.5	52.0	55.5	3.5	0.0	1.11
15	5406-27P24STEC1HC17-1-2-1-1-2-BBB-1-#-BB BBBB-B-B-B	7.7	33.6	38.8	2.0	3.5	2.4	2.3	44.5	2.0	62.0	61.0	1.0	44.1	1.06
23	Parent-1-6	10.0	36.3	38.3	2.0	3.0	2.5	2.0	35.6	2.0	60.5	58.0	-2.5	5.0	1.06
6	WL18-x-x-8-1	5.9	31.4	35.2	1.0	1.0	1.3	2.3	54.3	2.2	62.0	60.0	-2.0	100.0	1.03
17	WL18-x-x-4-2	23.4	38.7	41.5	2.5	2.5	2.2	2.0	39.4	1.9	55.5	56.0	0.5	5.6	1.03
26	AMATLCOHS44-1-1-2E-4-5-2-B-1-1	17.3	29.5	36.5	2.0	3.5	3.0	2.3	30.5	2.7	61.0	60.5	-0.5	0.0	1.02
107	WL11-x-x-1-4-1	33.4	25.6	39.2	3.0	3.5	3.4	2.0	29.9	1.0	56.0	56.0	0.0	11.1	1.02
117	WL36-x-x-4-4	40.9	29.8	37.2	3.0	4.0	2.9	1.8	27.8	3.7	70.5	65.5	-5.0	52.8	1.02
34	Gadag-10-3	3.4	34.5	41.2	1.0	2.5	1.7	2.3	56.9	1.5	54.0	57.5	3.5	15.5	0.98
37	Gadag-11-2	18.8	38.7	42.3	1.0	1.0	1.4	2.0	72.3	3.0	55.0	56.0	1.0	28.8	0.98
109	WL11-x-x-1-5	13.9	26.6	42.6	1.5	3.5	2.4	2.3	35.5	1.0	53.5	55.5	2.0	0.0	0.92

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ENT	Package	Plant mortality (%)	Chlorophyll (immediately after WL)	Chlorophyll (1 week after WL)	Leaf rolling (immediately after WL) (8.00AM)	Leaf rolling (immediately after WL) (11.00AM)	Stress susceptibility score - 1 week after WL (1-3 scale)	Stress susceptibility score - 1 month after WL (1-3 scale)	Plant height (1W after WL)	No. of nodes with brace roots	Days to Anthracis (D)	Days to 50% silking (D)	Anthracis silking interval (D)	Root-logging (%)	Grain yield (t/ha)
126	DT/LNEM-46-1-1	22.3	38.4	39.4	1.0	1.5	1.5	2.0	48.8	2.0	59.5	54.5	-5.0	0.0	0.82
74	WL36-x-4-5	18.7	31.2	41.7	2.0	4.0	2.5	2.3	45.5	1.5	57.5	61.5	4.0	18.1	0.91
104	WL10-x-2-6	6.5	35.6	40.4	1.0	1.0	1.9	2.0	54.8	0.5	53.5	52.0	-1.5	63.1	0.91
63	CML 327-5-1	7.2	35.9	40.9	1.5	1.5	1.0	2.3	38.5	2.8	63.0	63.0	0.0	92.3	0.89
AMATLCOHS44-1-1-2E-4-5															
90	2-8-2-1	3.4	29.5	35.0	2.5	4.5	1.8	2.0	38.8	3.0	63.5	57.0	-8.5	3.6	0.89
139	Gadag-6-9	40.5	28.5	38.3	2.5	4.0	3.5	2.3	37.8	1.5	58.5	55.5	-1.0	41.4	0.78
147	Gadag-17-1	14.9	25.0	38.3	1.0	2.5	2.7	2.3	36.1	2.0	57.5	58.5	1.0	55.0	0.75
133	DT/LNEM-68-4	18.9	33.5	41.0	1.0	1.0	1.5	2.3	52.4	2.0	57.5	58.5	1.0	50.0	0.88
140	Gadag-7-1	6.3	39.4	45.7	1.5	3.5	2.3	2.0	44.0	1.5	54.5	52.0	-2.5	67.6	0.88
116	WL38-x-4-3	52.8	31.2	41.4	4.0	5.0	4.0	2.5	27.9	2.5	66.5	64.0	-2.5	33.4	0.42
64	CML 327-5-2	25.4	36.4	43.9	1.5	2.5	3.0	2.5	31.7	1.7	64.0	67.0	3.0	75.0	0.34
120	Pant-5-9-2	7.2	35.1	44.0	1.5	4.5	2.0	2.5	48.1	2.0	52.5	53.5	1.0	50.0	0.24
106	WL10-x-2-9-2	30.0	39.2	41.7	1.5	1.5	2.8	2.5	36.8	2.0	56.0	52.5	-3.5	27.5	0.23
105	WL10-x-2-9-1	24.3	34.7	42.9	1.0	1.5	2.5	2.8	44.9	1.5	55.0	55.5	0.5	12.5	0.19
156	Pant-20-4	18.8	27.1	35.5	1.5	2.0	2.8	3.0	44.6	2.0	51.5	57.0	5.5	14.7	0.19
118	Pant-5-7	24.1	27.3	34.8	2.5	5.0	3.0	2.5	33.4	1.5	54.5	54.5	0.0	12.5	0.16
P15TSR MH28-1-1-3-#															
156	B88888-8	21.5	33.2	38.5	1.0	2.0	2.7	2.5	48.0	2.3	61.0	62.5	-8.5	4.6	0.16
137	Gadag-6-2	39.8	34.2	43.2	2.0	3.5	3.0	3.3	36.8	1.0	60.0	57.5	-2.5	67.9	0.13
148	Gadag-17-2	35.9	34.1	46.2	1.0	1.5	3.0	2.8	35.0	2.0	58.0	58.0	0.0	41.7	0.13
112	WL15-x-1-3	22.2	28.8	40.3	2.0	4.5	3.7	3.8	32.2	1.0	61.5	62.0	0.5	41.7	0.12
151	Gadag-20-8-1	28.3	38.6	45.7	1.5	3.0	2.2	2.8	34.4	2.5	66.0	54.5	-1.5	22.2	0.11
110	WL11-x-1-6-1	36.7	27.3	40.1	2.5	4.5	3.2	3.3	31.4	1.0	58.0	57.0	1.0	16.7	0.10
125	DT/LNEM-4-3	36.7	30.4	39.9	2.0	4.0	3.5	2.8	28.7	1.0	57.5	56.0	0.5	21.5	0.06
160	HK323 (Check-2)	8.35	42.15	51.7	1	2	1.8	1.25	39.2	2.2	57	56.5	-0.5	14.65	0.05
50	CML422	38.1	37.6	40.2	2.5	5.0	3.7	2.5	22.4	2.5	57.5	57.0	-0.5	35.7	0.02
115	WL36-x-4-2	34.3	28.8	33.8	4.0	5.0	4.0	1.0	21.2	2.5	70.0	74.0	4.0	3.2	0.00
MEAN		9.97	33.74	40.1	1.46	2.48	1.79	1.82	44.89	2.07	68.98	68.43	0.35	36.94	1.75
LSD		37.09	12.29	14.14	1.99	2.77	1.85	2.06	23.00	1.42	5.71	10.51	1.21	48.90	0.68
CV (%)		133.18	13.04	12.63	48.75	40.01	39.13	48.56	18.34	24.66	3.52	6.44	62.00	56.58	26.30
FSG (%)		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	5.00	1.00	5.00

Table 64: Effect of excessive soil moisture stress at knee-high stage on late maturity maize inbred lines.

ENT	Pedigree	Plant mortality (%)	Chlorophyll (Immediately after WL)	Chlorophyll week after WL	Leaf rolling (Immediately after WL (8.00AM))	Leaf rolling (Immediately after WL (11.00AM))	Stress susceptibility scores - 1 week after WL (1-3 scale)	Stress susceptibility score-1 month after WL (3 scale)	Plant height (1W after WL)	No. of nodes with brace roots	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Grain yield (t/ha)
9	WL28*-*-3	13.0	33.9	44.3	1.0	2.5	1.2	1.5	52.5	2.0	56.0	57.0	1.0	10.0	3.13
16	CML-226-B-B	6.2	28.0	34.3	1.0	1.5	1.2	1.0	41.4	3.3	56.0	60.0	4.0	15.5	3.03
2	WL7*-*-1	2.8	34.4	45.1	1.0	1.0	1.4	1.3	46.3	2.1	52.0	52.5	0.5	13.0	2.67
13	CM500-1	18.3	38.9	38.9	2.0	3.0	1.5	1.8	44.6	2.8	56.5	58.0	1.5	11.0	2.40
6	WL16*-*-6	12.0	31.3	33.4	1.0	1.5	1.7	1.8	52.2	2.8	65.0	66.0	1.0	5.0	2.18
12	CM118	28.3	27.6	37.0	2.5	3.0	2.4	2.3	36.7	1.5	54.5	54.5	0.0	21.6	1.80
15	PIO.301 1F2-3-5-3-B-B	10.5	29.8	38.8	2.0	4.0	1.7	1.3	36.7	2.0	64.0	62.0	-2.0	2.0	2.11
29	327-D	12.2	30.3	34.6	2.0	2.5	1.7	2.5	44.0	2.5	69.5	59.0	1.2	7.0	2.10
8	WL28*-*-2	2.7	32.4	38.0	1.5	3.0	1.8	1.5	50.6	2.3	56.5	59.0	2.5	4.5	2.00
24	WL18*-*-4	10.1	44.3	38.3	2.5	2.5	1.8	2.0	60.3	2.3	56.0	59.0	3.0	16.3	1.96
14	CML327-2	23.9	26.4	36.3	1.5	2.5	2.0	2.0	38.0	2.5	56.0	57.0	1.0	22.9	1.84
18	5-2-B	10.6	28.1	36.0	3.5	3.5	2.2	2.0	43.8	2.2	57.5	59.5	2.0	56.2	1.80
5	WL15*-*-2	10.9	33.7	35.6	1.5	1.5	2.0	2.5	47.3	2.0	60.0	58.0	-2.0	20.8	1.57
19	CML311	15.8	36.7	41.3	1.0	1.0	1.9	2.0	54.1	2.0	56.5	57.5	1.0	25.3	1.53
21	WL10*-*-2	12.6	35.6	44.6	1.0	2.5	2.0	1.8	38.9	2.2	54.5	52.5	-2.0	68.5	1.51
31	1025	0.0	36.7	43.1	2.0	3.0	2.0	2.0	33.3	2.0	56.5	58.5	2.0	69.1	1.49
32	14-1 (1+2+3)	0.0	29.9	37.6	1.0	1.0	2.0	1.3	35.7	2.0	57.5	58.0	0.5	43.4	1.46
1	CML 327	12.6	36.8	40.4	1.0	1.5	2.2	1.8	47.6	3.8	65.0	66.5	1.5	26.3	1.43
4	WL9*-*-1	23.4	31.7	38.6	1.5	2.5	2.0	2.3	55.8	2.1	56.0	58.0	2.0	59.1	1.42
20	WL9*-*-4	17.3	27.7	33.0	1.5	2.0	2.3	2.8	40.0	2.5	58.0	57.0	-1.0	76.1	1.40
25	WL36*-*-4-2	16.8	31.5	39.0	3.5	4.5	2.4	2.3	32.8	3.4	64.5	65.0	0.5	79.5	1.12
23	WL15*-*-1	27.3	35.4	41.3	3.5	4.5	2.4	2.8	44.5	2.0	57.0	58.0	1.0	100.0	1.20
33	413	10.0	26.3	33.5	2.5	3.0	2.4	2.5	26.6	1.0	67.0	67.0	0.0	100.0	0.98
7	WL28*-*-2	9.3	29.5	35.8	1.0	2.5	2.5	2.5	60.0	1.0	56.0	59.0	1.0	0.0	0.95
43	209	9.2	30.2	41.8	1.0	2.0	2.5	2.0	35.0	2.0	56.0	57.0	1.0	75.0	0.82
44	1105	3.6	29.1	32.9	1.0	2.0	2.5	1.8	32.8	2.0	58.5	62.5	4.0	52.1	0.76
10	WL36*-*-4-1	22.7	31.5	36.8	4.0	4.5	2.7	2.0	36.4	3.0	64.0	64.0	0.0	100.0	0.63
3	WLB*-*-1	20.5	34.2	39.4	1.0	1.5	2.9	2.5	31.1	2.0	70.0	71.5	1.5	17.8	0.55

ENT	Pedigree	Plant mortality (%)	Chlorophyll (immediately after WL)	Chlorophyll (1 week after WL)	Leaf rolling		Stees susceptibility score - 1 week after WL (1-3 scale)	Stees susceptibility score - 1 month after WL (3 scale)	Plant height (1W after WL)	No. of nodes with brace roots	Days to 50% anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Grain yield (t/ha)
					(8.00AM) after WL	(11.00AM) after WL									
30	1354	0.0	28.9	41.7	1.0	2.0	3.0	2.3	28.7	2.8	71.0	73.5	2.5	10.0	0.48
27	139	23.4	35.4	42.7	1.0	2.0	3.0	2.8	25.3	2.0	80.5	80.0	-0.5	50.0	0.43
37	182	50.0	16.7	18.8	3.5	4.0	3.0	2.8	21.4	1.8	82.5	86.0	3.5	70.0	0.42
40	1094 WG	34.6	27.0	33.8	3.5	3.5	3.0	2.8	31.0	2.5	80.0	80.5	0.5	100.0	0.41
38	1352-58-9	45.2	24.6	36.7	3.0	3.0	3.3	3.0	19.3	1.0	70.0	68.5	-1.5	100.0	0.39
22	WL11-xx-1	33.2	25.7	42.9	2.5	3.5	3.4	3.5	32.5	2.0	55.0	54.5	-0.5	0.0	0.36
11	CML-311-B-B	24.5	29.3	33.8	3.5	5.0	3.5	3.0	30.7	0.5	64.0	59.5	-4.5	100.0	0.26
41	1128	25.0	29.0	38.5	3.0	3.0	3.5	2.5	26.6	2.9	65.5	68.0	2.5	100.0	0.11
34	170 (1+2)	26.4	25.8	35.3	2.0	3.5	3.8	3.5	16.5	0.1	63.5	63.5	0.0	50.0	0.11
35	1354-2	33.4	22.7	22.3	2.0	3.5	3.8	275%	23.7	1.6	70.5	73.0	2.5	50.0	0.09
45	323	46.3	31.3	46.0	3.5	5.0	3.7	2.8	20.1	2.0	63.5	60.5	-3.0	66.4	0.08
17	CML-228-B-B	33.1	28.1	36.4	3.5	4.0	3.7	3.0	31.4	3.0	63.5	67.0	3.5	0.0	0.03
28	536	6.3	31.1	43.2	1.0	1.5	3.5	2.5	26.0	2.7	64.0	67.0	3.0	70.0	0.02
26	488	56.5	25.8	35.9	3.5	5.0	4.0	3.5	18.1	1.5	62.5	62.5	6.5	50.0	0.00
36	1348-6-2	36.4	14.7	38.9	1.5	4.0	3.8	3.5	23.2	2.3	67.0	72.5	5.5	70.0	0.00
39	142	54.8	26.3	34.6	4.0	5.0	4.2	3.5	20.0	2.0	64.0	64.0	7.3	100.0	0.00
42	1128	39.3	28.0	35.1	2.0	3.5	3.7	3.5	28.1	2.5	72.0	74.0	2.0	100.0	0.00
MEAN		20.67	29.89	37.45	2.08	2.91	2.88	2.36	35.96	2.14	61.28	61.96	0.68	63.07	1.06
LSD		11.30	14.72	NS	3.12	3.55	1.89	1.02	16.98	1.81	9.33	11.01	7.62	95.24	0.39
CV (%)		113.27	17.26	15.76	62.62	42.79	31.56	31.70	23.27	29.66	5.34	6.24	394.49	52.99	24.56
FSIG		5.00	1.00	0.00	5.00	5.00	1.00	5.00	1.00	1.00	1.00	1.00	5.00	5.00	5.00

Table-65: Performance of single cross hybrids developed using WL tolerant lines under normal moisture, planted at four locations (Dehri, Dholi, Varanasi & Begusarai).

ENT	Pedigree	Chlorophyll (Immediately after WL)	No. of nodes with brace roots	Anthesis-				Root- logging (%)	Ears per plant	Ear rots (%)	Grain yield (t/ha)	Selection score (1- 3)	Shelling percentage
				Days to 50% Anthesis (d)	Days to 50% silking (d)	Days to silking interval (d)	Days to 50% silking (d)						
5	WLB-11-XCML427	54.6	1.8	51.2	51.5	0.1	14.1	1.0	0.0	9.58	1.0	77.57	
11	Pro-311	50.9	2.5	54.9	56.0	1.4	13.7	1.0	0.9	9.13	1.5	73.34	
3	WLB-11-XWL36-1-4-1	54.8	2.2	52.2	54.5	2.0	0.8	1.0	0.3	8.38	1.5	80.52	
1	CML-327XWL28-1-2	46.5	2.2	52.9	55.0	2.0	23.6	0.9	0.0	8.15	3.0	84.28	
6	WL18-11-8XCM118	45.4	1.3	51.8	54.5	2.6	77.1	1.0	5.6	7.78	2.0	80.43	
2	WLB-11-XCML327	46.2	2.6	55.7	56.0	0.0	9.3	0.9	0.0	7.77	1.0	75.95	
12	SeedTech 2324	50.1	3.0	54.9	56.0	1.4	9.7	1.0	0.0	7.57	1.5	74.85	
8	CM118XCML311	45.4	1.4	49.2	49.0	0.1	41.6	1.0	6.3	7.48	3.0	78.58	
7	CM118XWL18-1-6	51.4	1.7	49.7	52.5	3.1	68.0	1.1	7.1	7.32	3.0	79.22	
10	WL-Synthetic	43.0	2.1	51.6	53.0	1.4	30.0	0.8	1.8	7.24	2.0	80.15	
4	WLB-11-XWL18-1-4	46.2	1.9	53.7	54.0	0.0	0.8	0.9	2.7	7.24	2.0	77.25	
9	CML311XWL18-1-6	47.1	2.1	54.1	54.0	-0.1	33.1	1.0	3.1	6.29	2.5	80.00	
	MEAN	48.46	2.06	52.67	53.83	1.17	26.82	0.96	2.32	7.83	1.83	78.61	
	LSD	NS	NS	1.54	1.77	1.66	NS	NS	NS	1.02	0.98	NS	
	CV	7.40	9.36	1.24	1.39	60.10	45.94	10.44	120.23	6.35	22.54	2.37	
	FSIG	0.00	0.00	1.00	1.00	5.00	0.00	0.00	0.00	5.00	5.00	0.00	

Table-66: Performance of single cross hybrids developed using WL tolerant lines under excessive moisture, planted at four locations (Dehi, Dholi, Varanasi & Begusarai).

ENT	Pedigree	Plant mortality (%)	Chlorophyll (immediately after WL)	Chlorophyll (1 week after WL)	No. of bracts	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Ear rots (%)	Ears per plant	Selection score (1-3)	Grain yield (t/ha)	% yield loss under WL-stress
5	WLB-11XCML427	4.6	43.6	51.2	2.1	53.5	53.1	-0.2	5.0	0.3	1.3	1.4	8.91	7.0
3	WLB-11XWL36-1-4-1	2.3	46.1	46.6	2.0	54.0	55.3	1.0	7.5	0.5	1.1	1.6	7.49	18.0
6	WL18-11-6XCML118	0.0	43.7	41.4	1.8	52.0	53.7	2.0	78.5	1.9	1.1	2.0	7.24	13.6
1	CML-327XWL28-1-2	0.0	45.4	46.7	2.0	55.5	56.4	0.7	27.1	0.1	1.1	0.8	7.17	12.0
11	Pro-311	7.7	43.0	46.2	2.7	56.5	58.0	1.5	4.1	-0.4	1.0	2.4	7.07	26.5
10	WL-Synthetic	1.9	43.7	49.2	2.5	52.0	54.0	1.9	25.8	3.0	1.0	2.6	6.16	20.4
7	CM118XWL18-1-1-6	8.5	43.6	47.2	1.7	51.0	52.7	2.0	62.8	3.8	1.0	2.0	6.12	19.1
4	WLB-11XWL18-1-1-4	0.0	47.0	51.9	2.1	55.5	55.6	0.1	0.0	-0.4	0.9	2.4	6.07	18.9
12	SeedTech 2324	3.6	46.3	44.1	2.7	55.0	56.5	1.6	5.6	0.0	1.0	2.7	5.92	19.1
2	WLB-11XCML327	0.0	45.5	50.0	2.6	57.0	58.3	1.0	23.6	0.7	0.9	1.6	5.76	20.4
8	CM118XCML311	2.3	40.9	47.9	1.6	50.0	50.1	0.4	53.4	23.0	0.9	3.0	5.14	29.0
9	CML311XWL18-1-1-6	0.0	40.9	48.0	2.4	55.5	57.0	1.5	23.5	-0.4	0.9	2.9	4.72	25.0
	MEAN	2.56	44.13	47.53	2.18	53.96	55.08	1.13	26.39	2.68	1.01	2.13	6.58	19.1
	LSD	NS	4.30	NS	1.10	2.18	2.60	NS	36.24	8.43	NS	0.65	1.09	4.45
	CV	117.39	8.17	6.12	17.86	1.71	1.99	45.81	59.29	133.24	16.54	12.89	21.61	9.03
	FSIG	0.0	5.0	0.0	5.0	1.0	5.0	0.0	1.0	5.0	0.0	1.0	5.0	5.0

Table-67: Performance of single cross hybrids developed using WL tolerant lines under normal moisture, planted at one location (Delhi).

ENT	Pedigree	Chlorophyll (immediacy after WL)	No. of nodes with brace roots	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Ears per plant	Ear rots (%)	Selection score (1-3)	Grain yield (t/ha)	Shelling percentage
17	162-1x163	52.4	2.5	53.8	55.7	2.0	12.4	0.9	0.0	1.5	9.62	84.32
11	WL18-x-x-4XWL36-x-x-4-1	46.5	2.5	52.7	56.2	3.5	42.6	1.0	0.0	1.5	9.18	90.50
12	Seedlect 3324	48.0	2.2	56.2	58.6	2.5	4.6	1.0	0.4	2.0	9.05	82.00
19	1344 x13-x-6-2	52.8	2.0	54.8	57.2	2.5	9.0	0.9	0.0	1.5	8.95	90.21
8	WL36-x-x-4-1XWL18-x-x-4	49.8	2.0	50.7	51.2	0.5	4.5	1.1	5.0	2.0	8.65	90.08
9	CML118XCML429	48.3	1.7	49.7	50.7	1.0	72.6	1.0	3.8	2.0	8.79	86.11
3	WL18-x-x-6XWL36-x-x-4-1	44.7	2.4	53.6	55.0	1.5	38.9	0.9	0.0	2.0	8.75	88.52
13	HM4	48.6	1.5	53.7	55.6	2.0	45.4	1.1	2.2	2.0	8.50	89.63
1	CML327XWL36-x-x-4-1	46.0	2.0	52.5	54.2	1.9	29.4	1.0	0.0	1.0	8.30	93.92
2	WL8-x-x-1XCML429	47.5	2.0	54.3	56.0	1.5	6.5	1.0	0.2	1.0	8.29	87.33
6	WL36-x-x-4-1XCML327	52.6	2.6	54.1	55.4	1.5	31.0	1.1	0.0	1.5	8.19	90.40
16	170(1+2) x163	50.7	2.0	53.6	56.0	2.1	21.1	1.0	1.5	2.0	8.11	77.37
4	WL18-x-x-6XCML311	46.9	2.3	54.4	55.3	1.0	64.8	1.0	2.7	2.5	8.09	90.28
15	183-1 X 163	49.5	2.0	54.3	56.5	2.5	24.2	1.1	0.6	2.0	8.07	83.70
20	HM4-1	52.0	2.2	50.4	55.6	5.0	39.8	0.9	1.9	2.5	7.80	90.11
18	193-2x 163	51.5	2.2	55.1	57.0	1.6	20.5	0.9	2.2	2.0	7.68	81.15
10	WL18-x-x-4XWL8-x-x-1	49.1	1.9	52.4	55.6	3.0	-2.1	0.9	4.3	2.0	7.59	90.08
7	WL36-x-x-4-1XWL8-x-x-1	45.8	2.0	54.9	57.1	2.0	-4.2	0.9	0.0	1.0	7.48	88.82
14	170(1+2) x193-1	50.0	2.3	52.9	53.9	1.0	40.2	1.1	0.0	2.0	7.47	86.54
5	WL36-x-x-2XCML427	49.2	2.0	49.9	52.3	2.5	-0.3	1.1	0.0	3.0	7.06	88.48
	MEAN	49.31	2.10	53.33	55.27	1.94	22.80	0.99	1.25	1.81	8.20	87.16
	LSD	NS	NS	2.46	2.20	2.00	26.06	NS	2.15	NS	1.55	4.94
	CV	6.87	16.96	2.19	1.89	49.00	54.19	8.91	81.60	24.69	11.21	2.69
	FSIG	0.00	0.00	1.00	1.00	5.00	1.00	0.00	1.00	0.00	1.00	1.00

Table-66: Performance of single cross hybrids developed using WL tolerant lines under excessive moisture, planted at one location (Dehri).

ENT	Pedigree	Plant mortality (%)	Chlorophyll (Immediately after WL)	Chlorophyll (1 week after WL)	No. of nodes with brace roots	Days to 50% Anthesis (d)	Days to 50% silking (d)	Anthesis-silking interval (d)	Root-logging (%)	Ears per plant	Ear rots (%)	Selection score (1-3)	Grain yield (t/ha)	% yield loss under WL stress
11	WL18-x-4XWL36--4-1	4.2	45.4	46.5	2.3	55.0	56.0	1.0	13.6	1.0	0.0	1.0	8.18	10.93
8	WL36--4-1XWL18-x-4	5.3	46.2	53.5	2.0	52.5	53.5	1.0	-0.1	1.1	2.4	2.0	7.80	11.86
3	WL18--6XWL36--4-1	0.0	40.1	45.7	2.5	55.0	55.5	0.5	19.6	1.0	0.4	1.5	7.88	12.21
9	CML118XCML429	2.2	43.0	43.8	2.0	51.0	52.5	1.5	19.5	1.0	1.3	1.5	7.13	18.89
1	CML327XWL36--4-1	0.0	44.4	48.4	2.8	53.5	55.0	1.5	40.6	1.2	0.0	2.0	7.01	15.55
6	WL36--4-1XCML-327	2.5	47.9	45.3	2.3	53.5	55.6	2.0	13.9	1.3	0.0	2.0	7.00	14.53
2	WL8--1XCML-429	0.0	43.6	47.9	2.0	56.0	55.9	1.0	3.5	1.0	1.1	1.5	6.96	16.03
4	WL18--6XCML-311	2.8	38.6	45.0	2.1	55.0	55.0	0.0	19.4	1.0	2.1	2.0	6.82	15.70
15	193-1 X 163	0.0	50.7	49.4	2.0	56.0	55.4	0.5	34.6	1.1	0.0	1.5	8.74	16.49
16	170(1+2) x163	0.0	46.4	52.5	2.3	54.0	56.1	2.0	27.3	1.0	0.7	2.0	8.83	18.22
7	WL36--4-1XWL8--1	1.8	49.1	47.2	2.2	53.0	55.5	2.5	3.6	1.0	0.5	1.0	6.60	11.76
17	162-1x163	1.9	46.6	48.0	2.6	56.0	56.1	1.0	6.4	1.0	0.0	1.5	6.45	32.95
14	170(1+2) x163-1	0.0	49.5	49.4	2.7	51.5	53.0	1.5	37.0	1.0	0.0	1.5	6.35	14.99
13	FM-4	0.0	46.3	48.3	2.1	54.0	54.9	1.0	23.8	1.2	1.0	2.0	6.26	26.37
18	193-2x 163	1.9	41.4	50.4	2.4	56.0	58.0	2.0	7.6	1.0	6.2	2.5	5.75	25.12
5	WL26--2XCML-427	0.0	47.0	46.1	2.4	51.0	52.4	1.5	1.7	0.9	0.0	2.0	5.64	20.11
10	WL18-x-4XWL8--1	3.3	46.4	52.5	2.2	56.0	57.1	1.0	3.2	0.8	6.7	2.5	5.55	26.85
12	Seedtech 2324	1.9	50.7	42.7	2.6	55.5	58.0	3.5	20.0	1.0	0.0	2.0	5.55	38.67
20	FM-1	0.0	48.5	55.1	2.5	51.0	55.1	4.0	16.3	0.9	2.3	2.0	5.51	29.40
19	1344 x1348-6-2	0.0	43.3	48.3	2.2	56.0	58.0	2.0	10.1	0.8	0.0	1.5	5.07	43.38
MEAN		1.48	46.76	48.29	2.28	54.06	55.6	1.62	14.63	1.01	1.22	1.77	6.82	21.00
LSD		2.3	5.33	NS	NS	2.31	2.26	1.67	11.23	0.19	3.42	NS	1.39	4.78
CV		179.98	5.82	8.21	12.77	2.02	1.92	51.98	118.23	8.83	132.52	26.92	13.21	8.61
FSG		5.0	5.0	0.0	0.0	1.0	1.0	5.0	1.0	1.0	5.0	0.0	5.0	1.0

Table 69: Performance of Full Season maturing experimental hybrids & composites at Pantnagar, under control and water-logged condition in Trial No. TR 75 during Kharif (2005)

SL NO	PEDIGREE	GRAIN YIELD (KG/HA) AT 15% MOISTURE				DAYS TO 50 % POLLEN SHED				DAYS TO 50 % SILKING			
		PANC	R	PANW	R	PANC	R	PANW	R	PANC	R	PANW	R
1	M. S. POOL C7	6344	8	3033	9	4689	8	52	53	52.5	56	57	56.5
2	TUX. POOL C7	4669	12	2015	13	3342	13	51	52	51.5	55.5	55.5	55.5
3	NECH - 128	8633	1	8070	1	8351	1	52	52	52	57	57	57
4	NECH - 129	7305	4	4012	2	5659	2	52	53	52.5	55	56	55.5
5	MCH - 23	7029	6	3397	6	5213	5	53	55.5	54.3	56.5	59	57.8
6	BIO - 31006	5611	9	3223	7	4417	9	51	52.5	51.8	56	56.5	56.3
7	BH - 3313	3551	14	1827	14	2689	14	52	52	52	56	58	57
8	AET 2nd YEAR												
8	JH - 10655	7396	3	2788	10	5092	6	53	54.5	53.8	56.5	58	57.3
9	JC - 1441 C3 FS	7300	5	3980	3	5640	3	50.5	53	51.8	54	56.5	55.3
10	BH - 3313	3509	15	1678	15	2594	15	52	53	52.5	56	57	56.5
11	CHECKS:												
11	PARBHAT	5328	10	3399	5	4363	10	52	52	52	56	56.5	56.3
12	SEEDTEC - 2324	7699	2	3047	8	5373	4	52	55.5	53.8	56	58.5	57.3
13	BIO - 9681	4977	11	3528	4	4253	11	49.5	49	49.3	53	52.5	52.8
14	PRO - 311	6666	7	2743	11	4705	7	52	56	54	56	59	57.5
15	CM - 500	4223	13	2708	12	3466	12	51.5	52	51.8	54.5	56	55.3
16	LOCAL	2948	16	1578	16	2263	16	46.5	48	47.3	49.5	52	50.8
	MEAN YIELD=	5824		3189		4507		-	-	-	-	-	-
	MEAN STAND	32		18		25		51.4	52.7	52	55.2	56.6	55.9
	C.D. AT 5%=	1892		1767		1829		2	3.5	-	1.3	3.3	-
	C.V. % =	15.24		26		-		1.8	3.1	-	1.1	2.8	-
	F (PROB)	0.001		0.021		-		0.001	0.011	-	0	0.015	-
	PLOT SIZE=	6		6		-		-	-	-	-	-	-
	AGRONOMY DATA:												
	SOWING DATE(2005)	7-Aug		7-Aug		-		-	-	-	-	-	-
	HARVEST DATE(2005)	15-10		15-10		-		-	-	-	-	-	-
	IRRIGATION NOS	-		-		-		-	-	-	-	-	-
	FERTILIZER APPLIED	N 120		120		-		-	-	-	-	-	-
		P 60		60		-		-	-	-	-	-	-
		K -		-		-		-	-	-	-	-	-

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Table 69: (CONT.)

SL NO	PEDIGREE	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			STAND AT HARVEST			OVL MEAN
		PANC	PANW	OVL MEAN	PANC	PANW	OVL MEAN	PANC	PANW		
AET 1st YEAR											
	1 M. S. POOL C7	240	190	215	100	75	88	30	18	24	
	2 TUX. POOL C7	245	225	235	100	80	90	33	24	28	
	3 NECH - 128	215	200	208	95	80	88	22	10	16	
	4 NECH - 129	220	225	223	80	95	88	34	29	31	
	5 MCH - 23	245	190	218	105	90	98	37	16	27	
	6 B I O - 31006	245	230	238	95	90	93	38	26	32	
	7 B H - 3313	225	170	198	100	70	85	30	14	22	
AET 2nd YEAR											
	8 J H - 10855	250	210	230	120	80	105	23	21	22	
	9 J C - 1441 C3 FS	245	245	245	110	125	118	39	28	34	
	10 B H - 3313	220	203	211	110	95	103	30	17	23	
CHECKS:											
	11 PARBHAT	230	235	233	95	100	98	28	22	25	
	12 SEEDTEC - 2324	215	185	200	80	80	80	30	9	20	
	13 B I O - 9881	260	195	228	90	75	83	40	21	31	
	14 PRO - 311	220	185	203	95	80	88	36	5	21	
	15 C M - 500	190	180	185	75	60	68	26	8	17	
	16 LOCAL	225	185	205	100	75	88	40	23	32	
	MEAN LOCATION	231	203	217	97	85	91	32	18	25	
	C.D. AT 5% =	27.4	63.5	-	24	53.6	-	8.5	17.3	-	
	C.V. % =	5.6	14.7	-	11.6	29.6	-	12.5	45	-	
	F (Prob)	0.007	0.407	-	0.089	0.747	-	0.004	0.179	-	

PANC = CONTROL ; PANW = WATERLOGGED

Table 70: Performance of Medium maturing experimental hybrids & composites at Pantnagar, under control and water-logged condition in Trial No. TR 76 during Kharif (2005)

SI No	PEDIGREE	GRAIN YIELD (kg/ha)		DAYS TO 50 % POLLEN SHED		DAYS TO 50 % SILKING		OV/L		OV/L		
		PANC	PANW	R	PANW	R	PANC	PANW	MEAN	PANC	PANW	MEAN
AET 1st YEAR												
1	L-186	5573	18	-	4	48	-	48	52	-	52	
2	EC-3138	5639	15	2901	21	4400	18	49.5	51	50.3	53	
3	CHH-218	5883	16	2439	26	4161	23	49.5	53	51.3	53.5	
4	CHH-219	4808	27	3275	15	4041	26	48	50.5	49.3	52	
5	AH-31417	4672	29	2966	20	3819	28	48	50	49	52	
6	AH-31406	4961	25	3408	13	4184	22	47.5	47.5	47.5	51.5	
7	AH-31403	6358	8	4120	8	5239	7	48	51.5	49.8	52	
8	JKMH-702	6521	6	1952	27	4237	20	49	51	50	53	
9	X-85	5509	19	3690	12	4600	15	48.5	52	50.3	52	
10	PMZ-150	5913	14	4536	6	5224	8	49	49	49	53	
11	PMZ-139	4852	26	3775	11	4314	19	48	53	50.5	52	
12	SMH-3103	6898	2	4790	3	5844	2	51.5	52.5	52	55.5	
13	HKH-1191	6173	9	5259	1	5716	3	48	49	48.5	52	
14	HKH-1188	7101	1	2633	25	4867	12	48	50.5	49.3	52	
15	MH03-2	6048	11	2970	19	4509	16	48	51	49.5	52	
16	V-32	5300	23	2800	23	4050	25	48	48.5	48.3	52	
17	V-33	5706	17	4565	5	5135	9	47	49	48	50.5	
AET 2nd YEAR												
18	L-166	5307	22	3943	10	4625	14	48	48.5	48.3	52	
19	AH-017045	5197	24	3214	16	4205	21	47.5	51	49.3	51	
20	AH-017051	4741	28	3058	17	3900	27	46.5	48	47.3	50	
21	BH-3443	5914	13	2987	18	4456	17	49.5	52	50.8	53.5	
22	KAVERI-2288	6846	3	3358	14	5102	10	48	50.5	49.3	52	
23	X1150 Z	6125	10	4766	4	5445	5	50	49.5	49.8	53.5	
24	PMZ-136	6521	7	4353	7	5437	6	48	49.5	48.8	52	
25	SMH-3758	6709	4	5200	2	5954	1	48.5	50	49.3	52.5	

Table 70: (CONT.)

SI No	PEDIGREE	AET 1st YEAR	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			STAND AT HARVEST			OVVL MEAN
			PANC	PANW	OVVL MEAN	PANC	PANW	OVVL MEAN	PANC	PANW	OVVL MEAN	
1	L-186		230	-	230	95	-	95	26	-	26	26
2	EC-3138		265	230	248	130	85	108	26	23	23	25
3	CHH-218		235	175	205	100	60	80	21	19	19	20
4	CHH-219		245	195	220	105	70	88	34	14	14	24
5	AH-31417		230	225	228	100	95	98	28	23	23	25
6	AH-31406		215	200	208	110	90	100	39	31	31	35
7	AH-31403		250	205	228	115	80	98	24	10	10	17
8	JKMH-702		245	205	225	110	80	95	32	29	29	31
9	X-85		230	180	205	100	70	85	36	20	20	28
10	PMZ-150		255	220	238	105	75	90	33	25	25	29
11	PMZ-139		235	180	208	95	65	80	28	19	19	24
12	SMH-3103		275	250	263	115	105	110	25	24	24	24
13	HKH-1191		260	245	253	110	90	100	32	20	20	26
14	HKH-1188		265	205	235	115	55	85	31	26	26	28
15	MH03-2		235	205	220	115	65	90	29	17	17	23
16	V-32		245	190	218	110	70	90	31	27	27	29
17	V-33		220	195	208	90	70	80	29	16	16	23
18	L-166	AET 2nd YEAR	240	235	238	90	85	88	27	19	19	23
19	AH-017045		235	180	208	95	70	83	26	22	22	24
20	AH-017051		230	200	215	95	85	90	37	14	14	25
21	BH-3443		260	220	240	100	85	93	24	22	22	23
22	KAVERI-2286		275	225	250	115	75	95	29	23	23	26
23	X1150Z		260	230	245	95	70	83	30	17	17	23
24	PMZ-136		255	225	240	110	90	100	30	22	22	26
25	SMH-3758		250	220	235	105	95	100	33	27	27	30
26	BIO-22069		245	190	218	75	70	73	36	28	28	32
27	NAVJOT	CHECKS:	236	195	215	95	70	83	30	19	19	24
28	KH-510		225	205	215	85	70	78	27	21	21	24

SI No	PEDIGREE	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN
29	BIO - 9637	275	240	258	105	85	95	40	31	36
30	C M 500	-	-	-	-	-	-	-	-	-
31	LOCAL	210	205	208	100	75	88	40	36	38
	MEAN LOCATION	244	209	227	103	78	90	30	22	26
	C.D. AT 5% =	42.4	64.5	-	25.2	43.4	-	12.8	14.6	-
	C.V. % =	8.5	15	-	12	27.3	-	20.7	32.4	-
	F (Prob)	0.166	0.66	-	0.098	0.907	-	0.311	0.219	-

PANC = CONTROL ; PANW = WATERLODGED

Table 71: Performance of Early maturing experimental hybrids & composites at Pantnagar, under control and water-logged condition in Trial No. TR 77 during Kharif (2005)

Sl/No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				DAYS TO 50% POLLEN SHED				DAYS TO 50% SILKING			
		PANC	R	PANW	OV/L MEAN	R	PANC	PANW	OV/L MEAN	R	PANC	PANW	OV/L MEAN
AET 1st YEAR													
1	JH - 31013	6486	4	3972	1	5229	2	48	49.5	48.8	52	53	52.5
2	JH - 3982	4758	9	1869	21	3314	14	48.5	52	50.3	52	55.5	53.8
3	JC - 3272	2947	28	2000	20	2473	27	47.5	48	47.8	51.5	53	52.3
4	L - 201	4297	13	1565	27	2931	23	45	46.5	45.8	48	51	49.5
5	EH - 1389	5764	7	3278	6	4521	8	45.5	48	46.8	48.5	51.5	50
6	EH - 1485	4593	11	2497	16	3545	10	45	48.5	46.8	48.5	52	50.3
7	EH - 1297	3994	18	2708	13	3351	13	50	52	51	53.5	55.5	54.5
8	EH - 1265	3477	23	1426	28	2452	28	48	49.5	48.8	52	52.5	52.3
9	BVM - 4-1	3616	21	1831	22	2723	24	47.5	49	48.3	50.5	52.5	51.5
10	BVM - 8	3294	26	2758	12	3026	19	46.5	48.5	47.5	50	52.5	51.3
11	FH - 3273	3421	24	2570	15	2995	21	46.5	50	48.3	50.5	54	52.3
12	FH - 3289	4174	15	1795	24	2984	22	46.5	50	48.3	50	54	52
13	AH - 31045	3161	27	2046	19	2604	25	50.5	51	50.8	54	55.5	54.8
14	MCH - 26	5491	8	3852	3	4672	6	48	49.5	48.8	52	52.5	52.3
15	MCH - 27	6537	3	3187	8	4862	5	49.5	52	50.8	52.5	55.5	54
16	X - 2484	7994	1	3356	4	5675	1	48	49.5	48.8	52	53	52.5
17	PMZ - 146	4722	10	1764	26	3243	16	48	49	48.5	52	52	52
AET 2nd YEAR													
18	JH - 31036	6271	6	3885	2	5078	4	48.5	50.5	49.5	52	54	53
19	KAVERI - 2020	4416	12	2592	14	3504	11	49	53	51	53	56	54.5
20	JKMH - 1710	6349	5	2839	11	4594	7	49.5	50	49.8	53.5	53.5	53.5
21	FH - 3259	3681	20	2440	18	3061	18	48	49	48.5	51	53	52
22	FH - 3246	4215	14	1802	23	3008	20	49	50	49.5	52	54.5	53.3
23	HKH - 1176	4023	17	3206	7	3615	9	50	52	51	54	55.5	54.8
CHECKS:													
24	KIRAN	4087	16	2906	10	3497	12	50	53	51.5	53.5	56.5	55

SI	PEDIGREE	PANC	R	PANW	R	MEAN	R	PANC	R	PANW	MEAN	PANC	PANW	MEAN	OV'L
25	PARKASH	3952	19	2441	17	3196	17	48	17	48.5	48.3	52	52	52	52
26	X - 3342	7085	2	3344	5	5215	5	48	3	50.5	49.3	52	54.5	53.3	53.3
27	C M 500	3539	22	2979	9	3259	9	46	15	49.5	47.8	49.5	53	51.3	51.3
28	LOCAL	3340	25	1794	25	2567	25	47	26	47.5	47.3	51	51.5	51.3	51.3
	MEAN YIELD=	4632	2597	3614	-	-	-	-	-	-	-	-	-	-	-
	MEAN STAND	26	19	22	47.9	49.9	48.9	51.5	53.6	52.5	-	-	-	-	-
	C.D. AT 5%=	2052	1413	1733	2.5	4.7	-	2.4	4.5	-	-	-	-	-	-
	C.V. % =	21.59	26.53	-	2.6	4.6	-	2.3	4.1	-	-	-	-	-	-
	F (Prob)	0	0.073	-	0.003	0.475	-	0	0.532	-	-	-	-	-	-
	PLOT SIZE=	6	6	-	-	-	-	-	-	-	-	-	-	-	-
	AGRONOMY DATA:														
	SOWING DATE(2005)	7-Aug	7-Aug	-	-	-	-	-	-	-	-	-	-	-	-
	HARVEST DATE(2005)	15-10	15-10	-	-	-	-	-	-	-	-	-	-	-	-
	IRRIGATION Nos	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FERTILIZER APPLIED	N 120	120	-	-	-	-	-	-	-	-	-	-	-	-
		P 60	60	-	-	-	-	-	-	-	-	-	-	-	-
		K -	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 71: (CONT.)

SI No	PEDIGREE AET 1st YEAR	PLANT HEIGHT (cm)			EAR HEIGHT (cm)			STAND AT HARVEST			OV/L MEAN
		PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN	
1	JH - 31013	250	215	233	110	105	108	37	28	33	
2	JH - 3982	220	180	200	85	65	75	27	19	23	
3	JC - 3272	250	245	248	105	100	103	25	21	23	
4	L - 201	225	190	208	95	75	85	25	24	25	
5	EH - 1389	270	225	248	125	95	110	31	21	26	
6	EH - 1485	245	225	235	110	85	98	28	20	24	
7	EH - 1297	225	195	210	95	70	83	16	13	15	
8	EH - 1265	230	215	223	80	75	78	23	19	21	
9	BVM - 4-1	230	135	183	100	95	98	23	22	22	
10	BVM - 8	270	220	245	115	85	100	31	19	25	
11	FH - 3273	195	130	163	80	45	63	22	11	16	
12	FH - 3289	190	175	183	90	70	80	31	22	26	
13	AH - 31045	240	210	225	105	70	88	33	20	26	
14	MCH - 26	250	235	243	105	100	103	34	26	30	
15	MCH - 27	195	185	190	90	90	90	33	27	30	
16	X - 2484	230	230	230	95	90	93	26	18	22	
17	PMZ - 146	220	210	215	85	80	83	26	20	23	
AET 2nd YEAR											
18	JH - 31036	215	205	210	95	85	90	21	16	18	
19	KAVERI - 2020	225	190	208	75	45	60	21	13	17	
20	JKMH - 1710	195	205	200	80	80	80	26	9	17	
21	FH - 3259	205	185	195	75	50	63	23	21	22	
22	FH - 3246	225	205	215	85	80	83	27	25	26	
23	HKH - 1176	230	185	208	110	65	88	19	6	12	
24	KIRAN	230	155	193	100	55	78	28	13	20	
25	PARKASH	235	210	223	105	85	95	19	16	17	

SI No	PEDIGREE	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN
26	X - 3342	255	205	230	95	70	83	31	20	25
27	C M 500	205	195	200	60	55	58	15	7	11
28	LOCAL	220	210	215	95	85	90	33	30	31
	MEAN LOCATION	228	199	213	94	77	86	26	19	22
	C.D. AT 5% =	32.6	52.6	-	32.1	39.3	-	11.5	12.3	-
	C.V. % =	7	12.9	-	16.6	24.9	-	21.6	32.4	-
	F (Prob)	0.001	0.02	-	0.098	0.149	-	0.035	0.029	-

PANC = CONTROL ; PANW = WATERLODGED

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Table .72 Performance of Extra Early experimental hybrids & composites at Pantnagar, under control and water-logged condition in Trial No. TR 78 during Kharif (2005).

SI No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				DAYS TO,50% POLLEN SHED				DAYS TO, 50% SILKING				OVL		
		PANC	R	PANW	R	R	PANC	PANW	R	PANC	PANW	R	PANC	PANW	MEAN	MEAN
	AET 1st YEAR															
1	JH - 31053	5320	2	2774	6	4047	2	48	48	52	53.5	48	48	52.8		
2	DEH - 105	4075	10	3181	3	3628	6	46.5	47.5	50	51	47	51	50.5		
3	DEH - 107	3330	20	2272	18	2801	19	45.5	46.5	49	50	46	49	49.5		
4	DEH - 111	3703	15	2648	7	3175	15	45	49.5	48	53	47.3	48	50.5		
5	FH - 3245	4055	11	3237	1	3646	4	45.5	47.5	48.5	51	46.5	48.5	49.8		
6	FH - 3248	3254	21	2568	10	2911	18	45	48	48	52	46.5	48	50		
7	FH - 3277	4207	8	2245	20	3226	14	45	47.5	48	51	46.3	48	49.5		
8	FH - 3288	4014	13	2896	5	3455	9	46	47	49.5	50	46.5	49.5	49.8		
9	VL - 103	4127	9	2449	13	3288	12	45	48	48	51.5	46.5	48	49.8		
10	VL - 105	3072	23	2275	17	2674	23	46.5	48	50	51	47.3	50	50.5		
11	VL - 108	3414	19	2091	24	2752	22	45	47	48	50	46	48	49		
12	VL - 109	3434	18	-		3434	10	44	-	47	-	44	47	47		
13	VL - 110	3238	22	2277	16	2758	21	44	46	47.5	49	45	47.5	48.3		
14	CHH - 215	2862	27	2429	14	2645	24	49	52	52.5	57	50.5	52.5	54.8		
15	AH - 23029	5914	1	3235	2	4575	1	46.5	49	50	52.5	47.8	50	51.3		
16	AH - 23021	2927	25	2247	19	2587	25	45	47.5	48	52	46.3	48	50		
17	AH - 23025	5152	3	2124	23	3638	5	48	49	52	53	48.5	52	52.5		
	AET 2nd YEAR															
18	DEH - 10103	3640	16	1496	28	2568	26	45	47	47.5	50	46	47.5	48.8		
19	DEH - 10303	5022	4	1662	26	3342	11	47	48.5	51	52.5	47.8	51	51.8		
20	DEH - 10503	4016	12	2133	22	3074	16	45.5	48	48.5	51.5	46.8	48.5	50		
21	FH - 3211	2891	26	2953	4	2922	17	45	46	48	49	45.5	48	48.5		
22	FQH - 4567	4647	7	2451	12	3549	8	46.5	48	50	52	47.3	50	51		
23	AH - 23039	5002	5	2465	11	3734	3	48	54	52	58	51	52	55		
24	AH - 23025	4852	6	2322	15	3587	7	46.5	50.5	50	54.5	48.5	50	52.3		

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SI No	PEDIGREE	PANC	R	PANW	R	PANW	OV/L MEAN	R	PANC	PANW	OV/L MEAN	PANC	PANW	OV/L MEAN
25	VIVEK HYBRID - 9	3978	14	2594	8	3286	13	45.5	47.5	46.5	49	51	50	
26	HIM - 129	3473	17	1600	27	2536	27	44	46	45	47	49	48	
27	SURYA	2596	28	1894	25	2245	29	46.5	49	47.8	50	52.5	51.3	
28	AMAR	2977	24	2570	9	2773	20	46.5	48	47.3	50.5	52	51.3	
29	CM 500	2354	29	2245	21	2300	28	46.5	48	47.3	50	51.5	50.8	
30	LOCAL	-	-	-	-	-	-	-	-	-	-	-	-	
	MEAN YIELD=	3718		2244		2881								
	MEAN STAND	25		16		20		45.9	48.2	47	49.3	51.8	50.6	
	C.D. AT 5%=	1472		1108		1280		2.3	3.2	-	3.2	3.8	-	
	C.V. % =	18.69		22.45		-		2.4	3.2	-	3.1	3.6	-	
	F (Prob)	0.001		0.002		-		0.006	0.01	-	0.028	0.009	-	
	PLOT SIZE=	6		6		-		-	-	-	-	-	-	
	AGRONOMY DATA:													
	SOWING DATE(2005)	7-AUG		7-AUG		-								
	HARVEST DATE(2005)	15-10		15-10		-								
	IRRIGATION Nos	-		-		-								
	FERTILIZER APPLIED	N 120		120		-								
		P 60		60		-								
		K -		-		-								

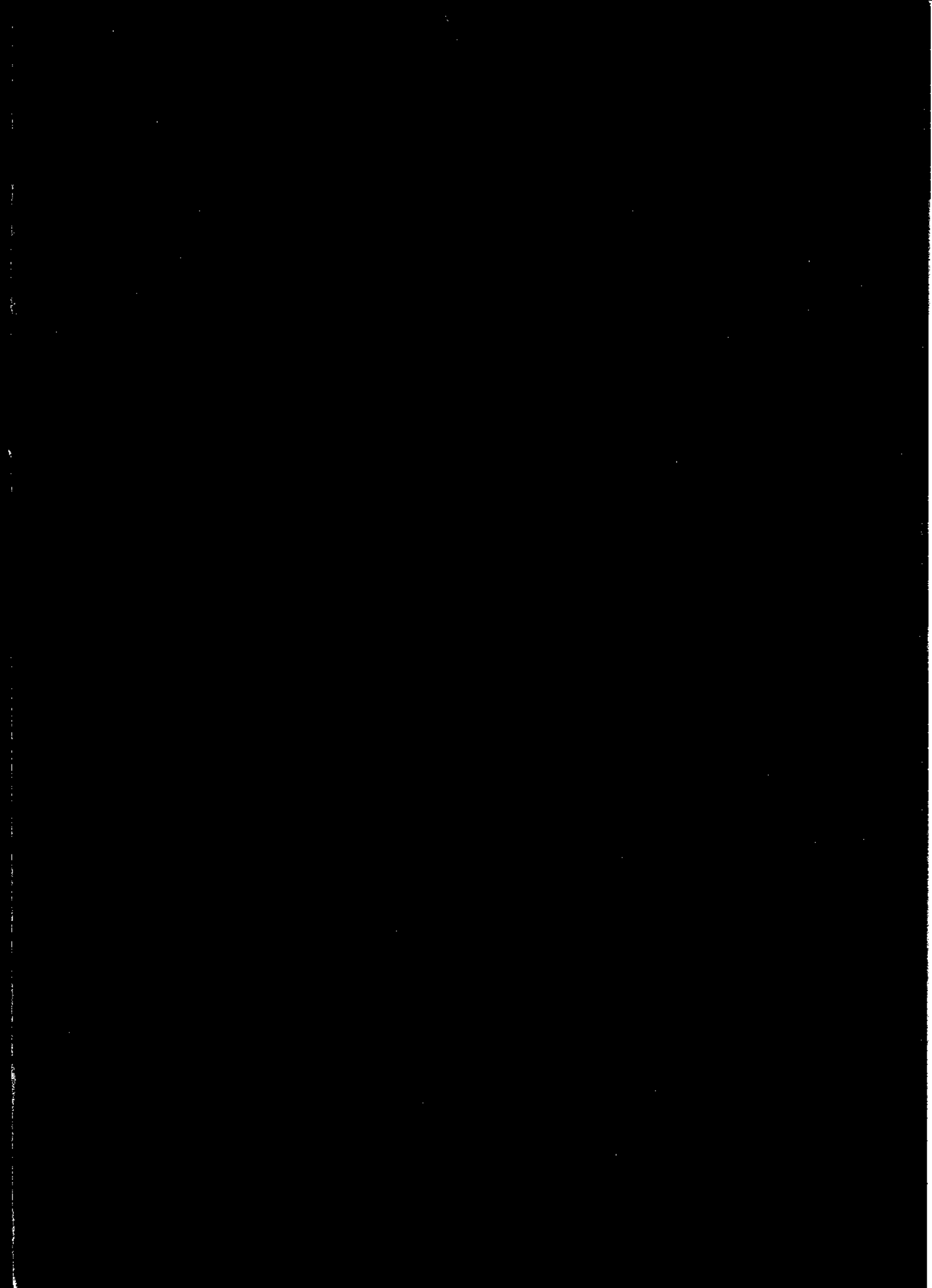
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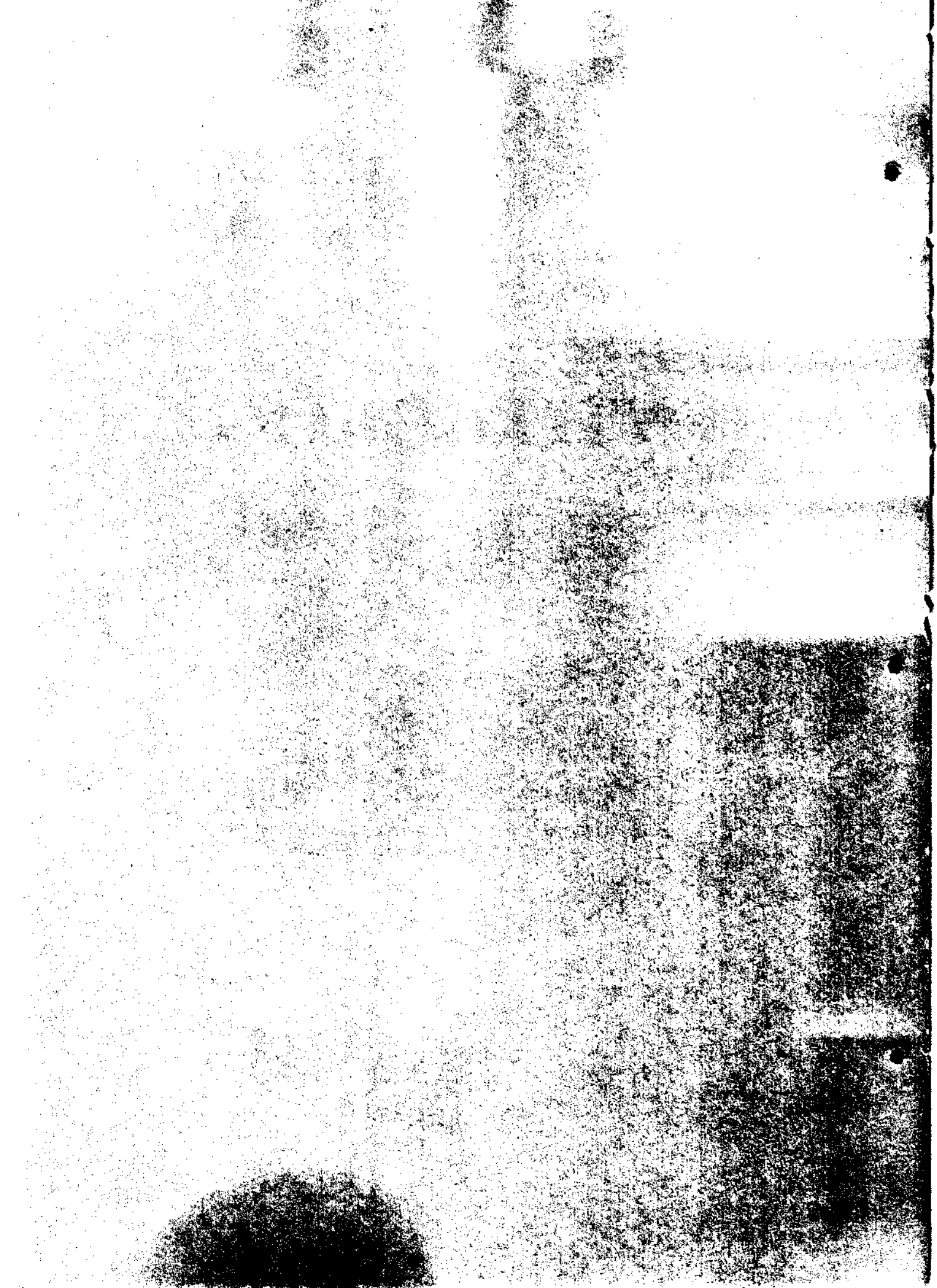
Table 72: (CONT.)

SI	PLANT EAR HEIGHT (cm)	No PEDIGREE	STAND AT HARVEST			OV/L			OV/L			OV/L		
			PANC	PANW	MEAN	PANC	PANW	MEAN	PANC	PANW	MEAN	PANC	PANW	MEAN
		AET 1st YEAR												
1	JH - 31053	230	210	220	95	70	83	18	16	17				
2	DEH - 105	210	210	210	95	80	93	30	24	27				
3	DEH - 107	215	155	185	75	65	70	31	12	21				
4	DEH - 111	215	225	220	95	60	78	32	11	22				
5	FH - 3245	215	175	195	80	40	60	14	7	10				
6	FH - 3248	220	190	205	90	60	75	9	3	6				
7	FH - 3277	200	175	188	75	50	63	34	14	24				
8	FH - 3288	210	215	213	80	70	75	24	23	23				
9	VL - 103	210	185	198	80	70	75	25	20	22				
10	VL - 105	215	210	213	90	80	85	21	21	21				
11	VL - 108	230	195	213	80	70	75	27	20	24				
12	VL - 109	190		190	80		80	29		29				
13	VL - 110	195	190	193	80	75	78	24	18	21				
14	CHH - 215	260	160	210	105	50	78	19	4	12				
15	AH - 23029	225	225	225	95	90	93	36	33	34				
16	AH - 23021	205	135	170	85	40	63	34	5	19				
17	AH - 23025	225	240	233	105	95	100	38	34	36				
	AET 2nd YEAR													
18	DEH - 10103	200	220	210	70	90	80	33	27	30				
19	DEH - 10303	225	180	193	100	65	83	23	19	21				
20	DEH - 10503	200	210	205	70	70	70	25	17	21				
21	FH - 3211	220	220	220	80	70	75	28	35	32				
22	FQH - 4567	225	220	223	90	70	80	25	16	20				
23	AH - 23039	235	150	193	100	40	70	33	2	18				
24	AH - 23025	215	175	195	100	75	88	19	14	16				

SI No	PEDIGREE	PANC	PANW	OVL MEAN	PANC	PANW	OVL MEAN	PANC	PANW	OVL MEAN
25	VIVEK HYBRID - 9	215	210	213	80	70	75	27	20	23
26	HIM - 129	225	205	215	100	80	90	37	30	33
27	SURYA	240	200	220	105	70	88	23	10	16
28	AMAR	185	200	193	75	75	75	21	19	20
29	CM 500	215	180	198	65	50	58	20	6	13
30	LOCAL	-	-	-	-	-	-	-	-	-
	MEAN LOCATION	216	194	205	87	68	77	28	17	21
	C.D. AT 5% =	37.4	54.8	-	30	33.1	-	14.2	13.9	-
	C.V. % =	8.5	13.7	-	16.8	23.8	-	26.8	39.8	-
	F (Prob)	0.165	0.046	-	0.262	0.079	-	0.028	0.001	-

PANC = CONTROL ; PANW = WATERLOGGED





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Screening of germplasm against *Chilo partellus*, during Rabi 2005 was done in six locations under artificial inoculation of 12-15 day old plants. Staggered sowing was done and releases of *C. partellus* eggs in black-headed stage were made. Observations were taken after 30 days of release of pests and leaf injury rating was recorded on 1-9 scale.

In full season maturity group, 16 germplasm were screened, out of which four i.e. TUX, POOL C 7, NECH-128, MCH-23 and BIO-31006 were found to be resistant in zone II. In medium maturity group, out of 31 germplasm screened, BIO-22069, AH-31417, HKH 1191 and JKMH-702 were found resistant in zone II and L-166 and HKH-1191 in zone IV. In early maturity group, out of 28 germplasm screened, only JC-3272 and L-201 were found to be resistant in zone II. Out of 40 QPM germplasm tested, only MH QPM 05-3 was found resistant in zone II.

From three source populations constituted under ICAR-CIMMYT collaborative programme, resistant lines in late yellow and early yellow lines were developed. The average leaf injury rating of late yellow and early yellow was recorded to be 2.71 and 2.46.

For multiple insect resistance i.e. against *C. partellus* and *Sesamia inferens* four materials have shown promise which have been advanced to C4. They are F-28, F-36, F-101 and F-110.

The Directorate has constructed a net house for conducting oviposition studies of *Chilo partellus*. Studies have been initiated to determine the plant age preference for oviposition.

At Delhi Centre, at the time of pre-flowering stage of the crop, migration of adult population of *Pyrilla perpusilla* created panic. Survey in different crops was conducted in neighboring areas, it was observed that the pest was in receding state in deserted crop of sorghum. Majority of nymphs and adults were parasitized by an ecto-parasite *Epiricania melanoluca*. The migrant population of *Pyrilla* started breeding in maize but with that parasite also invaded the pest and soon its population was suppressed.

IPM trials were conducted at Ludhiana, Kolhapur, Godhra and Hyderabad. Pest and disease incidences were observed low in IPM trial in comparison with farmers practice at all places. A higher yield ranging from 23-28 percent was recorded from IPM field over the farmers' fields.

Effect of some chemicals viz. Decis 2.8 EC, Endosulfan 35 EC, Furadon 3G and Lindane 6G were studied on *C. partellus* in the fields at Ludhiana. Application of Furadon 3G @ 3.75 kg/ha. in whorl gave least dead heart incidence and resulted in higher yield.

At Karnal different insecticides were evaluated for the control of *C. partellus* through seed treatment. The pesticides tested were Thiomethoxan, Imidacloprid, Chlorpyrifos, Endosulfan and Phorate. Thiomethoxan @ 6g/kg seed gave minimum incidence of plant infestation.

Table:1 Summary of germplasm evaluation against *Chilo partellus* in each maturity group at different places

	Early maturity		Medium maturity		Full season maturity		QPM-1	QPM-2	QPM-3
	1 st year	2 nd year	1 st year	2 nd year	1 st year	2 nd year			
Total Entry	17	6	17	14	7	3	9	8	15
Delhi									
Resistant	0	0	0	0	0	0	1	0	0
Moderately Resistant	0	0	2	3	3	1	5	5	6
Susceptible	17	6	14	6	4	2	3	2	9
Udiapur									
Resistant	0	0	0	0	0	0	0	0	0
Moderately Resistant	10	3	9	4	5	3	1	7	5
Susceptible	0	0	0	0	0	0	0	0	0
Ludhiana									
Resistant	0	0	2	1	4	0	0	0	0
Moderately Resistant	7	4	13	5	3	3	3	4	6
Susceptible	10	2	2	3	0	0	6	4	9
Kolhapur									
Resistant	0	0	1	1	0	0	0	0	0
Moderately Resistant	0	0	14	8	6	3	0	0	0
Susceptible			2	0	1	0			
Karnal									
Resistant	2	0	1	0	0	0	0	0	0
Moderately Resistant	12	5	9	6	7	2	0	0	0
Susceptible	3	1	7	3	0	0			
Hyderabad									
Resistant	0	0	0	0	0	0	0	0	14
Moderately Resistant	14	5	15	9	7	3	7	5	1
Susceptible	2	1	2	0	0	0	2	3	0

Table 2: Screening of maize germplasm (Trial No. 75, Full Season Maturity) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Kolhapur	Delhi	Udaipur	Karnal
1	JH - 10655	4.05	5.55	4.60	6.50	5.05	4.80
2	JC - 1441 C3 FS	3.20	5.70	3.60	5.95	4.75	4.90
3	BH - 3313	3.50	5.77	4.10	7.60	5.75	
Checks:							
4	PARBHAT	3.66	5.49	2.70	8.05	6.95	4.00
5	SEEDTEC - 2324	2.52	5.79	6.20	6.55	6.30	3.70
6	BIO - 9681	3.19	6.00	2.90	6.25	7.00	4.90
7	PRO - 311	2.91	5.62	4.20	6.90	5.35	3.60
8	CM - 500	2.20	5.71	3.90	5.30	7.25	3.40
9	LOCAL	4.29	5.64	2.90	6.40	7.35	-

Mean leaf injury rating on 1-9 Scale

Table 3: Screening of maize germplasm (Trial No. 76, Medium Maturity) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Kolhapur	Delhi	Udaipur	Karnal
1	L- 166	5.70	4.30	2.40	5.65	6.15	7.20
2	AH - 017045	5.73	4.50	4.60	7.30	5.45	4.80
3	AH - 017051	3.25	4.60	4.40	8.25	7.55	3.50
4	BH - 3443	6.12	4.70	4.80	6.10	6.95	7.70
5	KAVERI - 2288	6.56	4.00	4.70	5.95	6.10	5.50
6	X 1150 Z	5.92	4.60	3.70	7.70	5.55	3.30
7	PMZ -136	4.73	4.50	4.80	6.00	6.40	6.50
8	SMH -3758	6.92	4.40	4.90	6.70	4.05	3.60
9	BIO -22069	2.46	4.60	5.70	7.20	4.45	3.70
CHECKS:							
10	NAVJOT	3.57	5.20	4.50	6.60	5.70	3.40
11	KH - 510	4.61	5.30	6.10	7.60	5.10	2.40
12	BIO - 9637	4.18	4.30	5.10	6.80	7.30	6.50
13	CM - 500	4.94	6.20	2.80	4.85	5.55	3.70
14	LOCAL	5.18	5.00	2.90	8.75	5.00	-

Mean leaf injury rating on 1-9 Scale

Table 4: Screening of maize germplasm (Trial No. 77, Early Maturity) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Delhi	Udaipur	Karnal
1	JH-31036	6.67	4.88	6.95	7.15	4.70
2	KAVERI - 2020	5.13	5.80	7.75	7.20	6.90
3	JKMH-1710	5.00	5.91	7.20	5.95	5.60
4	FH-3259	4.46	6.50	7.85	6.40	4.80
5	FH-3246	6.05	4.91	6.40	5.65	3.70
6	HKH-1176	5.02	4.91	6.15	4.60	3.70
CHECKS:						
7	KIRAN	7.92	4.92	7.13	6.85	4.80
8	PARKASH	7.15	3.81	6.70	7.05	7.00
9	X-3342	6.71	5.41	5.95	6.75	4.80
10	CM-500	6.84	5.33	6.50	6.20	-
11	LOCAL	4.65	4.33	6.60	4.65	-

Mean leaf injury rating on 1-9 Scale

Table 5: Screening of maize germplasm (Trial No. 78, Extra Early Maturity) to *Chilo partellus* during Kharif, 2006

S. No.	Pedigree	Ludhiana	Hyderabad	Kolhapur	Delhi	Udaipur	Karnal
1	DEH-10103	5.14	2.77	6.10	5.40	7.15	3.00
2	DEH-10303	3.96	2.73	4.30	3.80	6.75	3.10
3	DEH-10503	5.64	2.64	4.70	4.00	6.55	5.90
4	FH-3211	6.36	2.44	4.20	3.80	5.95	2.90
5	FQH-4567	5.14	2.73	4.00	5.75	5.75	3.10
6	AH-23039	6.54	2.22	4.70	3.65	6.75	5.70
7	AH-23025	5.15	2.17	5.20	5.30	7.15	4.40
CHECKS:							
8	VIVEK HYBRID -9	6.84	3.09	3.90	6.40	7.10	3.30
9	HIM-129	4.41	3.00	6.20	4.90	6.30	3.60
10	SURYA	5.18	2.46	5.50	4.90	6.75	4.60
11	AMAR	4.29	3.19	4.70	4.95	6.70	8.10
12	CM-500	6.21	2.92	2.90	3.20	7.25	3.90
13	LOCAL	4.38	3.00	4.10	5.95	6.55	4.00

Mean leaf injury rating on 1-9 Scale

Table 6: Screening of Quality Protein Maize germplasm (Trial QPM-1) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Delhi	Udaipur
1	J H (QPM) - 159	5.32	5.85	5.10	7.65
2	J H (QPM) - 160	6.91	6.12	3.87	6.95
3	B V M - 7	4.55	6.56	6.05	6.70
4	M H QPM 05 - 1	7.61	5.46	3.45	6.90
5	M H QPM 05 - 2	6.46	5.95	4.25	5.75
6	M H QPM 05 - 3	6.21	5.33	2.85	7.30
7	H QPM - 5	8.60	5.28	6.80	7.10
8	H QPM - 6	8.24	5.65	5.65	6.60
9	H QPM - 7	4.27	5.62	6.25	7.25
CHECKS:					
10	SHAKTIMAN - 1	8.14	5.06	2.80	7.85
11	SHAKTIMAN - 4	5.86	5.00	4.45	7.25
12	SHAKTI - 1	6.45	5.23	6.00	5.95
13	HQPM 1	7.17	5.90	5.30	6.85

Mean leaf injury rating on 1-9 Scale

Table 7: Screening of Quality Protein Maize germplasm (Trial QPM-2) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Delhi	Udaipur
1	J H (QPM) - 41	7.80	5.34	6.65	4.70
2	DQPM C 4 (W)	7.41	6.04	4.55	6.25
3	BQPMH - 43	4.58	5.97	5.95	5.80
4	H QPM - 4	3.57	5.54	5.97	5.50
5	H QPM - 5	7.14	6.14	5.65	5.75
6	DMRQPMH 17 X 58	3.81	6.60	6.30	5.30
7	DMRQPMH 03 - 101 X DMRQPM 17	7.26	5.17	6.95	4.75
8	DMRQPMH 75 X DMRQPM 17	5.29	5.75	5.15	5.20
CHECKS:					
9	SHAKTIMAN - 1	4.51	4.70	2.15	5.25
10	SHAKTIMAN - 4	6.80	5.12	5.15	5.95
11	SHAKTI - 1	6.58	5.56	7.05	5.95
12	HQPM 1	2.78	5.24	7.00	5.05

Mean leaf injury rating on 1-9 Scale

Table 8: Screening of Quality Protein Maize germplasm (Trial QPM-3) to *Chilo partellus* during Kharif, 2005

S. No.	Pedigree	Ludhiana	Hyderabad	Delhi	Udaipur
1	DMRQPM - 41	5.47	2.00	6.55	4.95
2	DMRQPM - 42	6.29	2.60	5.06	4.85
3	DMRQPM - 43	6.65	2.00	5.60	5.35
4	DMRQPM - 44	6.01	2.00	6.27	4.70
5	DMRQPM - 45	5.55	2.00	6.50	6.80
6	DMRQPM - 46	6.14	2.00	7.51	6.35
7	DMRQPM - 47	7.14	2.00	6.09	6.00
8	DMRQPM - 48	6.33	2.00	4.90	6.15
9	DMRQPM - 49	6.70	3.44	6.77	7.05
10	DMRQPM - 50	5.78	2.00	5.70	6.50
11	DMRQPM - 51	7.29	2.00	6.35	7.15
12	DMRQPM - 52	6.18	2.00	5.68	6.15
13	DMRQPM - 53	4.70	2.00	5.88	6.05
14	DMRQPM - 54	5.54	2.50	6.85	6.80
15	DMRQPM - 55	5.52	2.00	7.30	6.60

Mean leaf injury rating on 1-9 Scale

Table 9: Screening of inbred trail of maize germplasm against *Chilo partellus* during Kharif 2005 at Ludhiana (Advance Station Trial no-1)

Entry No.	Pedigree	Mean leaf injury score per plant*
		Ludhiana
1	404x404	5.79
2	JH 3851	4.25
3	JKMH 1701	6.11
4	JH 3459	6.17
5	JKMH 82	4.97
6	PARKASH	5.23
7	8030 II	6.73
8	KESERI (MUKATSAR)	6.1
9	8031	4.48
10	MEGHA (KHERI)	6.6
11	CM 300	4.27
12	CM 500	2.4

Mean leaf injury rating on 1-9 Scale

Table 10: Screening of inbred trail of maize germplasm against *Chilo partellus* during Kharif 2005 at Ludhiana (Advance Station Trial no-2)

Entry No.	Pedigree	Mean leaf injury score per plant
1	39 X 40 I	6.85
2	27 X 28	5.75
3	PMH -1	4.7
4	178 X 179	7.9
5	180 X 181	6.9
6	Seed tech 2324	6.95
	33 X 34	7.06
8	35 X 36	6.86
9	F 9572 A	7.28
10	SWARANA	6.48
11	186 X 187	8.22
12	CM 300	4.03

Mean leaf injury rating on 1-9 Scale

Table 11: Evaluation of IPM strategies in maize at Ludhiana

	IPM Practices	Recommended Practices	Farmers Practice
Variety	JH 3459	JH 3459	JH 3459
Area	0.2 ha	0.2 ha	0.2 ha
Date of Sowing	8.7.2005	8.7.2005	8.7.2005
Fertilizer			
N	120 kg/ha (3 split dose)	120 kg/ha (3 split dose)	115 kg/ha (2 split dose)
P	60 kg/ha (at sowing)	60 kg/ha (at sowing)	
Weeding			
Weedicide	Atrataf 50 WP @ 2kg/ha	Atrataf 50 WP @ 2kg/ha	No weedicide was used
Manual	Two hoeing at 20 & 35 day old crop	Two hoeing at 20 & 35 day old crop	One manual weeding at 20 day old crop
Irrigation	As and when required	As and when required	As and when required
Seed Treatment	Bavestine @ 3g/kg seed + Chlorpyrifos 20 EC 5ml/kg seeds + <i>Trichoderma viridae</i> (strain Tv-35) 10 g/ kg seeds	Bavestine @ 3g/kg seed	-
Release of Parasitoids	<i>Trichogramma chilonis</i> @ 1,60,000 parasitized eggs/ha at 10-15 days after germination		-
Others control measures	Dead hearts were removed during Manual hoeings.	Dead hearts were removed during Manual hoeing. Spraying of Decis 2.8 EC @ 200 ml/ ha. at 15- day old crop	-
Yield	41.0 q/ha.	39.5 q/ha.	32.0 q/ha.

Table 12: Observation on incidence of insect pests and their natural enemies in IPM trial during Kharif 2005 at Ludhiana

Date of observation	INSECT PESTS														
	MAIZE STEM BORER										**NATURAL ENEMIES				
	% Total Incidence*			% Dead Heart*			Mean Leaf Injury Ratings				Coccinellids			Spiders	
	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
20-Jul	4.66	4.33	3.33	0.66	1.33	0.66	2.34	2.42	2.6	3.2	2.8	2.8	-	-	-
27-Jul	15	14.66	20.33	4.66	5.33	7.33	2.6	3.09	3.43	1.6	1.4	2.6	-	-	-
3-Aug	20.66	22.66	50	6	6.66	20	3.2	3.2	4.12	2.1	0	2.1	-	-	-
10-Aug	21.33	20.66	40.67	4.67	5.33	16	3.4	3.7	4.7	3.2	1.1	2.8	2.1	-	2.3
17-Aug	18.67	18	41.33	4.67	4.67	14	4.12	3.99	5.8	1.1	1.3	1.1	3.2	-	2.9
24-Aug	16	16.66	41.67	4	5.33	18.67	3.9	3.84	5.7	1.4	0.8	1.4	1	-	1.5
31-Aug	8.67	6.66	37.33	3.33	2.67	15.33	3.79	3.76	4.76	2	-	2	1	0.7	-
7-Sep	7.33	5.33	24.67	2.67	2	9.67	3.5	3.3	4.4	1	-	-	-	-	-
14-Sep	6	4	16.33	2	1.33	7.33	3.12	2.94	3.4	-	-	-	-	-	-

* Based on 50 plants/replication

** Mean of 10 observations

I- IPM Practice

II- Recommended Practice

III- Farmers Practice

Table 13: Observation on incidence of diseases in IPM trial during Kharif 2005 at Ludhiana

Date of observation	DISEASES											
	MAYDIS LEAF BLIGHT(1-5)			BAC. STALK ROT(%)			BAC. LEAF STREAK (1-5)			PFSR(%)		
	I	II	III	I	II	III	I	II	III	I	II	III
20-Jul	-	-	-	-	-	-	-	-	-	-	-	-
27-Jul	-	-	-	-	-	-	-	-	-	-	-	-
3-Aug	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug	Traces	Traces	Traces	-	-	-	-	-	-	-	-	-
17-Aug	1.5	1.5	1.75	-	-	Traces	Traces	Traces	Traces	-	-	-
24-Aug	2	1.5	2.5	Traces	Traces	3	1.5	1.5	2	-	-	-
31-Aug	2.75	2	3	2--3	1--2	5	2	1.5	2.5	-	-	Traces
7-Sep	2.75	2.5	3.5	3	2	5	-	-	-	Traces	Traces	2
14-Sep	2.75	2.5	3.5	-	-	-	-	-	-	2--3	1--2	3--5
21-Sep	2.75	2.5	3.5	-	-	-	-	-	-	3	2--3	3--5

- I- IPM Practice
- II- Recommended Practice
- III- Farmers Practice

Table: 14 Evaluation of IPM strategies during kharif 2005 in Hyderabad

Treatment	Stem borer		<i>Helicoverpa</i>	
	Dead hearts (%)	Plants infested (%)	Ear damage (%)	Leaf damage (%)
Normal practice	8.26	24.11	7.76	8.77
IPM practice	6.58	22.6	9.79	8.36

Cultivar: BH 2187
 Date of planting: 11-8-2005
 Area: 4000 m²
 Date of release of *Trichogramma* egg cards @ 8 cards/ha.
 1st release: 23-8-05
 2nd release: 31-8-05
 Note: Yield could not be recorded due to the damage by wild boars

Table 15 Evaluation of IPM strategies during Kharif 2005 in Godhra

Treatment	Stem borer	Plants infested (%)	<i>Helicoverpa</i>	Leaf damage (%)
	Dead hearts (%)		Ear damage (%)	
Normal practice	8.26	24.11	7.76	8.77
IPM practice	6.58	22.6	9.79	8.36

Table 16: Observation on incidence of insect pests and their natural enemies in IPM trial during Kharif 2005 at Godhra

Date of observation	No. of plant infested with (per plot)			Av. No. of Natural enemies observed per plot			
	<i>C.Partellus</i>	Aphid	Termite	grass hoppers	<i>Pyrilla</i>	<i>Mylocerus</i> weevil	Blister beetles
4/8/2005	1	0	0	0	0	0	0
17-8-05	2.7	0.6	0	1.8	1.4	0	0
24-8-05	3.8	1.6	0	0	3	1.8	0.3
1/9/2005	7.4	6	0.6	0	8.1	0.4	4
20-10-05	5.3	0	0.8	0	3.6	0	0

Table 17: Observation on incidence of diseases and their natural enemies in IPM trial during kharif 2005 at Godhra

Date of observation	Av. No. of plant infested with (per plot)			Av. No. of Natural enemies observed per plot			
	Post flowering stalk Rot (PFSR) (%)	Maydis leaf blight (0-9 Scales)	Apantales Spp.	Syrphids	Chrysoperla	Peaderus	Others Epiricania
4/8/2005	0	0	0	0	0	0	0
17-8-05	0	1	0	0	0.6	0.1	0
24-8-05	0	3	1.4	0.6	1.4	0.3	0
1/9/2005	0	3	0	1.5	0	0.3	0.4
20-10-05	2.74	3	3.2	0	0	0	2

Variety: Narmada Moti

Date of planting: 8-7-2005

Area: 6000 m²

Date of release of Trichogramma egg cards @ 96000 adults/6000sq. m.

1st release: 17-7-05

Avg. Yield : 3791 kg/ha.

Table: 18 Insect Pest Trap Nursery - Kharif-2005 at Kolhapur

Pedigree (Inbred Line)	Stem Borer <i>C. partellus</i> (%infested plants)			Grass hopper (% infested plants)		Myloceru s weevil (No. of adults/ plant)		<i>Spodoptera</i> (No. of larvae/pl.)	<i>Heliothis</i> (% infested cobs)	Aphids(% infested pl.)		Lady bird beetle (No. of adults/ plant)	
	1*	2*	3*	1	2	1	2			2	3	1	2
CM-135	2	4	6	15	15	1	2	1	2	2	5	1	2
CM-137	2	6	7	17	18	1	2	2	3	6	8	2	4
CM-138	10	12	15	12	13	2	4			2	4	2	2
CM-142	12	13	16	10	10	6	8			5	8	4	5
CM-207	15	17	19	11	11	5	7	5	6	12	18	5	7
CM-213	9	11	12	14	17			3	1	8	12	3	4
CM-500	1	2	2	4	5					1	3		1
CM-501	3	4	4	8	10	5	6			3	6	3	3
CM-600	5	7	9	11	12	4	7	2	4	5	8	5	5
CM-601	7	9	11	9	10	8	9	5	3	10	13	6	8

Table: 19 Evaluation of different insecticides for the control of stem borer *Chilo partellus* through seed treatment at Karnal

Treatment	Dose/Kg seed	Per cent plant damaged (Avg.)
Thiomethoxan	3g	16.5
Thiomethoxan	6g	7.3
Imidacloprid	3g	19.5
Imidacloprid	6g	11.3
Chlorpyrifos 20 EC	15 ml	21
Endosulfan 35 EC	10 ml	15.7
Phorate 10G	(10 kg/ha)	17.7
Endosulfan spray	(1.0 L/ha)	12.9
Control	(Untreated)	26

Mean of four replications

Table 20: Chemical control trial on *Chilo partellus* at Ludhiana during Kharif 2005

S.No	Treatments	% Dead Heart Incidence	Yield (q/ha.)
1	Decis 2.8 EC @ 80 ml/acre	4.6	39.8
2	Endosulfan 35 EC @ 100 ml/acre	6.17	37.47
3	Furadon 3G @ 1.5 kg/acre (whorl application)	4.97	40.8
4	Lindane 6G @ 1kg/acre (whorl application)	5.13	38.89
5	Control	8.13	31.33
	CD P= 0.05	0.84	5.04

Table 21: Evaluation of efficacy of different chemicals against Grasshopper at farmer field on fodder maize during Kharif 2005

Population indices of Grasshopper before spray						
S.No	Insecticide	Dose/acre	No. of Grasshopper/m ²	No. of Exuviae/20 plants	No. of plants/20 plants with fresh excreta	
1	Decis 2.8 EC	200 ml	20	60	18	
2	Thiodan 35 EC	560 ml	19	56	19	
3	Nuvacron 36 SL	560 ml	16	47	18	
4	Ekalux 25 EC	100 ml	22	58	17	
5	Sevin 50 WP	250 ml	21	64	16	
6	Chlorpyrifos 20 EC	1000 ml	28	53	19	
7	Profenphos 50 EC	600 ml	14	51	15	
8	Lindane 20 EC	800 ml	17	42	17	
9	Malathion 50 EC	600 ml	22	56	19	
Population indices of Grasshopper after spray						
S.No	Insecticide	Dose/acre	No. of Grasshopper/m ²	No. of Exuviae/20 plants	No. of plants/20 plants with fresh excreta	No. of plants with damage on new growth/20 plants
1	Decis 2.8 EC	200 ml	6	2	2	2
2	Thiodan 35 EC	560 ml	8	4	6	15
3	Nuvacron 36 SL	560 ml	2	3	2	1
4	Ekalux 25 EC	100 ml	6	5	8	5
5	Sevin 50 WP	250 ml	1	2	1	0
6	Chlorpyrifos 20 EC	1000 ml	9	12	11	7
7	Profenphos 50 EC	600 ml	7	5	6	5
8	Lindane 20 EC	800 ml	3	4	3	4
9	Malathion 50 EC	600 ml	3	5	3	4

PATHOLOGY

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Table 1 Evaluation of maize genotypes (IET full-season maturity) against various maize diseases during kharif 2005 - Trial 61

SL. NO	Pedigree	MLB (1-5)							
		ALM	DHAU	JASH	DHO	DEL	LUD	KAR	BAJ
1	JH-10704	1.0	2.0	2.0	2.0	1.5	2.0	2.8	0.5
2	JH-10983	1.0	3.0	2.5	2.0	1.5	2.2	2.8	1.0
3	JH-11024	1.3	1.5	2.3	2.7	1.5	1.7	4.3	-
4	JH-11031	1.3	2.5	2.3	2.8	1.5	2.0	1.5	-
5	JH-11044	1.3	2.0	2.3	4.3	1.5	2.2	1.8	1.0
6	JH-11058	1.0	1.5	1.5	3.0	1.5	1.7	1.5	1.0
7	JH-11068	1.0	2.0	3.5	3.2	1.5	2.2	1.8	1.0
8	EH-434041	1.0	1.5	2.5	2.8	1.5	1.7	2.5	1.0
9	EH-434042	1.3	2.0	3.3	2.9	1.5	2.0	2.3	2.0
10	NAH-1144	1.3	1.0	3.0	3.2	1.5	1.7	2.3	2.0
11	NAH-1137	1.3	1.0	3.0	4.3	1.5	1.5	1.5	1.0
12	NAH-2049	1.3	2.0	2.3	3.3	1.5	1.7	1.5	1.0
13	HKH-1178	1.3	3.0	2.3	2.0	1.5	2.5	1.8	2.0
14	HKH-1236	1.3	1.0	2.3	2.9	1.5	1.5	1.5	1.0
15	MH 05-1	1.3	3.0	2.8	3.2	1.5	2.2	1.5	1.0
16	MH 05-2	1.3	3.0	3.0	3.4	1.5	2.0	1.8	2.0
17	BH-2004200	1.5	2.0	3.0	2.0	1.5	2.5	1.5	1.5
18	NECH-131	1.3	2.0	2.0	2.0	1.5	2.0	2.5	0.5
19	NECH-132	1.3	2.5	3.3	1.7	1.5	1.7	2.0	0.5
20	MCH-28	1.5	2.0	3.0	3.8	1.5	1.7	2.0	2.0
21	MCH-29	1.5	3.0	1.8	2.0	1.5	1.7	1.8	2.0
22	30 R 77	1.8	1.5	2.3	2.9	1.5	2.0	1.5	2.0
23	P O L O	1.8	2.0	2.3	4.0	1.5	2.0	1.5	1.5
24	X-4010	1.8	4.0	3.3	3.7	1.5	1.7	1.8	3.0
25	PHS-54	1.5	3.0	2.5	2.0	1.5	1.7	1.5	1.0
26	RIL-1111	1.8	3.0	3.8	2.8	1.5	2.5	1.8	1.0
27	PRO-365	1.3	3.5	3.0	3.8	1.5	2.5	2.3	1.0
28	PRO-367	1.8	2.0	2.5	4.2	1.5	1.2	2.0	1.0
CHECKS									
29	PARBHAT	1.5	1.0	3.3	4.0	1.5	2.2	1.3	2.0
30	SEEDTEC-2324	1.8	2.0	3.0	2.0	1.5	2.0	1.3	2.0
31	BIO-9681	1.8	4.0	3.0	3.0	1.5	2.5	1.5	1.0
32	PRO-311	1.8	1.0	2.3	4.0	1.5	2.5	2.3	2.0
	Local		2.0	3.5	4.4		3.1		3.0

Checks used by station

Navjot

CML-186

FR 632

Table 1

SL. NO	Pedigree	TLB (1-5)				BLSB (1-5)		SDM (%)		RDM (%)	DM (%)
		ALM	NAG	BAJ	ARB	PANT	DEL	MAND	UDP	COIM	
1	JH-10704	1.3	2.0	-	2.8	2.0	2.5	90.9	27.3	81.0	
2	JH-10983	1.8	4.5	2.0	4.6	1.8	3.5	100.0	95.3	100.0	
3	JH-11024	1.3	3.3	1.0	2.0	2.8	3.5	100.0	36.4	93.4	
4	JH-11031	1.3	2.3	-	2.0	3.0	3.5	94.2	76.2	100.0	
5	JH-11044	1.5	3.3	2.0	3.2	2.8	2.5	54.7	0.0	37.5	
6	JH-11058	1.3	2.0	2.0	2.0	2.0	3.0	80.2	18.2	34.5	
7	JH-11068	1.3	3.3	1.0	1.5	2.8	3.5	17.3	0.0	0.0	
8	EH-434041	1.5	3.8	2.0	4.5	2.5	3.0	100.0	100.0	100.0	
9	EH-434042	1.3	4.0	1.0	2.9	2.8	3.5	78.5	19.0	58.3	
10	NAH-1144	1.8	4.5	-	2.9	2.8	3.0	7.2	4.5	0.0	
11	NAH-1137	1.3	2.5	-	3.4	2.5	3.0	53.0	0.0	0.0	
12	NAH-2049	1.8	3.5	-	2.0	3.0	3.0	91.2	25.0	44.7	
13	HKH-1178	1.3	2.5	-	2.0	2.8	3.0	100.0	100.0	100.0	
14	HKH-1236	1.3	3.3	2.0	2.6	3.0	3.0	100.0	100.0	97.5	
15	MH 05-1	1.8	3.5	2.0	2.2	2.5	3.5	100.0	95.2	100.0	
16	MH 05-2	1.5	3.5	1.0	3.3	2.8	3.5	89.7	40.9	97.5	
17	BH-2004200	2.8	4.3	2.0	3.5	2.5	3.0	100.0	90.9	100.0	
18	NECH-131	1.0	2.3	-	2.8	2.3	3.5	93.8	34.8	80.0	
19	NECH-132	1.8	3.5	1.0	2.0	3.0	3.0	91.3	17.4	60.0	
20	MCH-28	1.5	2.8	0.5	1.5	2.0	3.5	100.0	86.4	76.7	
21	MCH-29	1.5	2.5	0.5	2.0	2.5	2.5	94.7	19.0	100.0	
22	30 R 77	1.8	3.5	1.5	2.2	1.5	3.0	78.2	16.7	100.0	
23	P O L O	1.8	3.5	0.5	2.6	1.8	3.0	70.4	30.0	95.6	
24	X-4010	2.3	3.5	0.5	1.5	2.0	3.0	77.5	50.0	82.5	
25	PHS-54	2.5	4.5	1.0	3.8	2.8	3.0	97.3	68.2	100.0	
26	RIL-1111	1.5	3.5	3.0	1.5	2.3	3.5	98.1	61.9	100.0	
27	PRO-365	1.3	3.8	2.0	2.5	2.5	3.5	90.4	50.0	86.1	
28	PRO-367	1.3	3.5	2.0	2.0	2.0	3.5	97.0	18.2	80.0	
CHECKS											
29	PARBHAT	1.5	3.8	1.0	3.0	2.0	3.0	98.5	27.3	85.2	
30	SEEDTEC-2324	1.5	3.8	1.0	2.0	2.8	3.0	96.1	39.1	95.2	
31	BIO-9681	1.8	3.8	2.0	2.0	2.5	3.5	5.2	8.7	79.2	
32	PRO-311	1.8	3.5	2.0	3.6	3.0	3.5	87.3	20.8	69.0	
	Local		5.1	4.0	5.0			13.5	60.8	100.0	
					2.0			100.0			

Checks used by station

CM-202

CM-202(R)
CI-4 (S)NAC-6004(R)
CM-500 (S)

Table 1

SL. NO	Pedigree	BSDM (1-5)		PFSR (1-9)			ESR (%)	
		DHAU	PANT	LUD	HYD	UDP	DHAU	PANT
1	JH-10704	2.5	1.3	3.9	5.6	3.2	23.4	16.3
2	JH-10983	3.0	1.3	4.0	5.6	3.7	42.3	59.3
3	JH-11024	3.0	1.3	3.7	5.4	3.9	33.3	22.3
4	JH-11031	3.0	1.3	4.9	5.0	2.5	20.3	17.6
5	JH-11044	3.0	2.5	2.7	5.2	2.8	5.1	41.7
6	JH-11058	4.0	2.5	4.0	5.0	2.4	60.9	39.3
7	JH-11088	4.0	2.8	3.9	4.8	5.8	24.5	20.4
8	EH-434041	3.0	2.8	4.6	6.0	5.7	36.0	36.3
9	EH-434042	2.5	1.3	4.1	5.7	6.0	19.3	43.6
10	NAH-1144	3.0	2.0	4.3	5.6	4.9	12.9	59.6
11	NAH-1137	4.0	2.5	4.3	5.8	4.5	19.6	54.6
12	NAH-2049	3.5	1.3	3.5	5.0	2.9	20.0	27.5
13	HKH-1178	3.0	2.8	3.6	4.0	4.8	11.7	45.5
14	HKH-1236	2.5	1.5	3.6	5.0	4.4	6.8	36.1
15	MH 05-1	2.5	2.8	4.6	4.1	5.2	41.6	26.3
16	MH 05-2	3.0	1.8	4.7	5.4	6.2	36.0	17.2
17	BH-2004200	4.0	3.8	4.1	5.3	5.1	49.1	77.0
18	NECH-131	3.0	1.5	3.3	5.1	4.4	27.1	33.2
19	NECH-132	3.5	1.5	3.4	4.0	2.5	26.9	16.0
20	MCH-28	4.0	1.5	3.7	4.7	5.8	51.4	0.0
21	MCH-29	4.5	1.3	6.1	5.5	7.9	15.6	10.0
22	30 R 77	4.0	1.3	4.4	5.0	2.7	71.8	28.3
23	P O L O	2.5	1.5	4.2	5.2	5.2	30.6	39.4
24	X-4010	2.5	1.8	4.3	5.3	5.4	18.4	6.7
25	PHS-54	3.0	3.5	3.9	4.5	4.9	27.8	56.3
26	RIL-1111	3.0	1.8	3.9	4.2	7.4	28.5	19.2
27	PRO-365	3.0	1.5	3.6	4.2	3.4	30.7	31.5
28	PRO-367	2.0	1.5	4.5	5.3	2.6	36.6	49.1
	CHECKS							
29	PARBHAT	3.0	1.3	3.7	5.5	4.4	37.0	10.7
30	SEEDTEC-2324	3.0	1.3	4.1	4.7	6.2	33.8	22.3
31	BIO-9681	2.5	1.3	4.9	5.0	6.3	50.9	46.6
32	PRO-311	4.0	1.3	3.8	5.0	5.0	22.6	33.3
	Local	1.0		4.1	6.7	5.0	7.2	

Checks used by station

CM-202

Table 1

SL. NO	Pedigree	P. rust (1-5)	C. rust (1-5)	No. of cyst per plant
		NAG	ARB	UDP
1	JH-10704	3.5	1.0	7-12
2	JH-10983	2.3	2.2	10-14
3	JH-11024	2.0	2.0	11-17
4	JH-11031	3.8	2.0	8-13
5	JH-11044	2.3	2.0	6-10
6	JH-11058	4.0	2.5	10-16
7	JH-11068	2.0	1.5	8-12
8	EH-434041	2.0	2.0	9-14
9	EH-434042	2.0	1.5	13-19
10	NAH-1144	2.0	1.5	12-16
11	NAH-1137	3.3	2.0	14-20
12	NAH-2049	3.0	2.0	9-14
13	HKH-1178	3.3	2.5	13-18
14	HKH-1236	3.0	1.5	9-15
15	MH 05-1	2.0	1.5	8-12
16	MH 05-2	2.3	2.5	10-17
17	BH-2004200	3.8	4.5	18-21
18	NECH-131	2.0	1.5	14-18
19	NECH-132	2.3	1.5	9-13
20	MCH-28	2.0	1.5	7-16
21	MCH-29	1.5	1.5	10-16
22	30 R 77	2.0	1.5	17-22
23	P O L O	2.3	2.5	12-18
24	X-4010	2.0	1.0	19-23
25	PHS-54	2.8	2.2	10-15
26	RIL-1111	2.0	1.5	8-14
27	PRO-365	2.8	1.5	6-11
	PRO-367	3.5	1.5	13-19
	CHECKS			
29	PARBHAT	2.0	1.5	8-13
30	SEEDTEC-2324	2.3	1.5	13-17
31	BIO-9681	3.3	1.5	6-10
32	PRO-311	3.0	2.5	13-18
	Local	2.3	3.6	21-29
			2.0	

Checks used by station

CM-202

CM-202(R
CL-4 (S)

Ganga-2

Table 2 Evaluation of maize genotypes (IET medium maturity) against various maize diseases during kharif 2005 Trial No.62

SL. NO	Pedigree	MLB	DHAU	DHO	DEL	LUD	KAR	BAJ
		(1-5)						
		ALM						
1	L-173	1.0	4.0	2.8	1.5	3.2	2.0	1.0
2	EH-1753	1.3	3.0	3.0	2.0	3.5	1.5	1.0
3	EH-1491	1.5	4.0	3.2	1.5	3.2	1.5	1.0
4	EH-1561	1.5	2.0	2.9	1.5	2.5	1.5	1.0
5	ICW 0301 (ZM421)	1.3	3.0	4.3	1.5	3.0	1.8	1.0
6	R-2005-4	1.3	2.5	2.0	1.5	2.0	2.3	1.0
7	CHH-227	1.5	4.0	1.9	2.5	3.2	2.5	2.0
8	AH-48007	1.3	3.0	2.0	1.5	3.5	2.5	1.0
9	AH-48012	1.8	2.0	3.2	1.5	2.5	1.3	2.0
10	BH-200488	1.3	2.0	3.4	1.5	3.0	1.8	2.0
11	MH 05-3	1.0	1.0	2.0	1.5	2.2	2.5	0.5
12	MH 05-4	1.0	3.0	2.9	1.5	2.0	1.8	1.0
13	V-36	1.8	4.0	3.2	1.5	3.2	2.3	2.0
14	WC-237	2.0	2.0	3.0	2.0	2.0	2.0	2.0
15	JKMH-44	1.0	2.5	4.0	-	3.3	1.5	0.5
16	JKMH-462	1.5	3.0	2.8	2.0	3.0	1.5	1.0
17	PAC-736	2.0	2.5	3.9	1.5	2.7	2.3	2.0
18	MCH-30	1.0	2.0	2.0	1.5	2.2	2.5	2.0
19	X-9409	1.8	1.0	1.5	2.5	2.5	2.8	1.0
20	SMH-21034	1.0	2.0	2.0	2.0	2.5	2.3	0.5
21	RIL-5555	2.0	2.0	4.2	1.5	3.3	2.3	3.0
	CHECKS							
22	NAVJOT	1.5	3.0	4.0	2.0	3.5	2.8	3.0
23	KH-510	1.5	2.0	1.8	1.5	2.7	2.8	2.0
24	BIO-9637	1.3	3.0	2.0	1.5	2.2	1.8	1.0
	Local	1.8	2.5	4.4		3.3		3.0

Checks used by station

CML-186

FR-632

Table 2

SL. NO	Pedigree	TLB (1-5)				BLSB (1-5)		SDM (%)		RDM	DM (%)
		ALM	NAG	BAJ	ARB	PANT	DEL	MAND	UDP	COIM	
1	L-173	2.8	4.5	2.0	3.5	3.5	4.5	98.5	61.9	86.4	
2	EH-1753	3.0	4.0	2.0	4.5	3.0	4.0	100.0	52.2	100.0	
3	EH-1491	3.3	3.8	2.5	4.0	2.5	3.0	96.9	45.5	87.7	
4	EH-1561	1.3	2.3	1.0	2.0	3.0	4.5	100.0	12.0	100.0	
5	ICW 0301 (ZM421)	1.8	4.3	2.0	3.4	3.5	3.5	98.5	40.0	97.4	
6	R-2005-4	1.5	3.5	1.5	4.0	3.0	4.0	91.5	18.2	85.7	
7	CHH-227	2.0	4.3	2.0	2.0	2.3	4.0	100.0	60.0	100.0	
8	AH-48007	2.0	4.3	2.0	3.0	3.0	4.0	100.0	79.2	100.0	
9	AH-48012	1.8	4.5	3.5	4.0	3.3	4.0	100.0	73.9	100.0	
10	BH-200488	2.3	3.8	3.0	2.5	2.8	4.0	100.0	100.0	100.0	
11	MH 05-3	1.3	2.0	1.0	1.5	2.8	3.5	100.0	83.3	100.0	
12	MH 05-4	1.3	4.3	2.0	4.0	3.0	3.5	100.0	80.3	100.0	
13	V-36	2.5	4.8	3.5	3.5	3.3	4.0	98.7	77.3	100.0	
14	WC-237	1.3	3.8	3.0	2.0	2.8	3.5	100.0	73.9	100.0	
15	JKMH-44	1.3	4.5	0.5	4.2	3.3	-	100.0	56.5	100.0	
16	JKMH-462	2.0	4.3	2.0	2.5	2.5	3.5	96.1	41.7	98.1	
17	PAC-736	1.3	2.8	2.0	2.8	3.5	3.5	100.0	66.7	84.2	
18	MCH-30	1.3	3.5	1.0	2.0	2.5	3.0	28.4	0.0	0.0	
19	X-9409	1.3	3.8	1.0	1.5	3.0	3.0	88.0	5.3	16.7	
20	SMH-21034	1.3	3.5	1.5	2.0	2.3	3.5	100.0	41.7	50.0	
21	RIL-5555	1.0	3.3	1.0	2.6	2.8	3.5	95.8	45.8	77.4	
	CHECKS										
22	NAVJOT	1.5	4.8	3.0	4.2	2.8	3.5	100.0	76.2	100.0	
23	KH-510	2.0	2.8	1.0	2.0	3.0	4.0	15.5	0.0	76.2	
24	BIO-9637	2.0	3.3	1.0	2.8	3.0	3.0	95.8	38.9	81.3	
	Local	1.8	5.0	4.0	5.0			12.5	45.5	100.0	
					2.0			100.0			
	Checks used by station		CM-202		CM-202(R) CI-4 (S)			NAC-6004(R) CM-500 (S)			

Table 2

SL. NO	Pedigree	BSDM (1-5)		PFSR (1-9)			ESR (%)	
		DHAU	PANT	LUD	HYD	UDP	DHAU	PANT
1	L-173	1.0	2.8	5.8	5.7	6.4	66.0	61.3
2	EH-1753	2.0	1.5	5.8	4.6	3.4	45.1	35.7
3	EH-1491	2.5	2.3	4.9	5.0	3.1	50.0	6.3
4	EH-1581	3.0	1.3	5.4	4.0	5.4	41.8	59.5
5	ICW 0301 (ZM421)	3.0	3.8	6.4	4.8	6.3	42.3	73.7
6	R-2005-4	1.5	2.3	6.1	5.1	5.7	46.6	74.3
7	CHH-227	3.0	2.8	5.8	6.1	5.6	50.9	89.6
8	AH-48007	2.0	3.0	6.1	5.7	4.4	62.2	73.1
9	AH-48012	2.0	3.3	6.4	4.3	2.6	54.7	30.6
10	BH-200488	3.5	3.0	6.5	5.0	6.3	46.8	76.7
11	MH 05-3	2.5	1.3	5.0	5.1	5.8	21.0	42.7
12	MH 05-4	2.5	2.3	5.5	6.0	3.9	58.1	93.7
13	V-36	2.0	1.8	6.4	5.5	5.5	51.7	87.5
14	WC-237	2.5	1.5	6.7	5.2	5.6	56.0	75.2
15	JKMH-44	2.5	2.5	4.1	5.1	5.7	55.0	47.7
16	JKMH-462	3.0	1.3	5.5	4.2	7.0	42.6	59.4
17	PAC-738	3.0	4.0	6.4	4.6	4.4	78.0	67.0
18	MCH-30	2.0	2.5	4.8	4.0	2.8	14.2	25.5
19	X-9409	2.5	1.3	6.6	4.6	6.2	7.6	25.8
20	SMH-21034	2.5	1.5	5.6	4.3	2.6	12.9	35.9
21	RIL-5555	3.0	1.5	6.5	5.4	4.0	26.0	60.2
	CHECKS							
22	NAVJOT	2.0	3.5	5.8	6.4	5.5	68.9	50.9
23	KH-510	3.5	1.5	5.2	5.0	3.2	41.8	47.3
24	BIO-9637	2.5	1.8	5.6	4.1	3.2	62.0	44.6
	Local	1.0		5.8	6.7	4.2	6.5	

Checks used by station

FR-632

Table 2

SL. NO	Pedigree	P.Rust (1-5) NAG	No. of cyst per plant UDP	C. rust (1-5) ARB
1	L-173	4.0	10-16	4.0
2	EH-1753	2.0	4-8	2.5
3	EH-1491	2.0	7-13	3.5
4	EH-1561	3.8	13-18	2.5
5	ICW 0301 (ZM421)	2.8	8-12	3.6
6	R-2005-4	2.0	11-16	2.2
7	CHH-227	3.0	8-14	3.8
8	AH-48007	4.0	6-11	2.5
9	AH-48012	3.0	11-17	3.6
10	BH-200488	3.0	13-20	3.2
11	MH 05-3	3.5	11-18	1.5
12	MH 05-4	3.0	16-20	2.0
13	V-36	2.3	7-12	4.0
14	WC-237	2.8	12-15	2.0
15	JKMH-44	2.0	15-21	2.5
16	JKMH-462	2.3	7-10	2.5
17	PAC-736	4.3	4-8	4.5
18	MCH-30	2.5	8-13	1.5
19	X-9409	2.3	12-18	1.8
20	SMH-21034	3.0	15-22	2.5
21	RIL-5555	2.8	12-16	4.0
CHECKS				
22	NAVJOT	3.8	14-20	4.0
23	KH-510	4.0	9-14	3.3
24	BIO-9637	3.3	14-19	3.6
	Local	2.5	27-34	2.0

Checks used by station CM-202 Ganga-2 CM-202(R)
CI-4 (S)

Table 3 Evaluation of maize genotypes (IET early maturity) against various maize diseases during kharif 2005 - Trial No.63

SL. NO	Pedigree	MLB (1-5)							
		ALM	DHAU	JASH	DHO	DEL	LUD	KAR	BAJ
1	JH-31045	1.3	2.0	1.8	2.0	2.0	2.5	2.5	0.5
2	JC-3287	1.8	2.5	3.3	2.0	1.5	1.7	2.5	1.0
3	JC-3288	1.3	3.0	3.5	4.1	2.0	2.5	2.8	2.0
4	JC-3289	1.5	3.5	3.3	4.2	2.0	2.5	1.8	3.0
5	EH-1496	1.5	3.0	3.8	3.8	2.0	2.2	2.0	2.0
6	EH-1497	1.8	4.0	3.3	3.6	2.0	2.5	1.8	3.0
7	EH-1495	1.5	3.0	3.3	3.5	2.0	2.5	1.5	1.0
8	EH-1506	1.5	3.0	3.5	3.9	1.5	3.3	2.3	1.0
9	IHY 0364	2.0	2.0	3.8	3.0	2.5	2.5	2.3	2.0
10	BVM-10	1.0	2.0	3.0	3.0	1.5	2.5	2.3	-
11	BVM-9-1	1.0	3.0	3.8	4.2	1.5	3.3	1.8	2.0
12	D-131	1.8	3.0	3.0	2.9	1.5	2.5	2.3	1.0
13	FH-3311	1.8	2.0	2.0	2.0	2.0	2.2	1.8	-
14	R-2005-1	1.0	1.0	2.8	3.2	1.5	2.5	2.5	1.0
15	R-2005-2	1.0	1.0	3.3	4.0	1.5	2.2	2.8	1.0
16	R-2005-3	1.0	2.0	3.0	2.0	2.0	2.5	1.8	-
17	AH-47192	1.0	1.0	2.5	1.8	2.0	2.7	1.5	-
18	AH-48005	1.5	1.0	2.8	2.0	1.5	2.0	2.3	1.0
19	AH-48011	1.5	3.0	3.3	2.6	1.5	2.0	2.5	1.0
20	UMH-8	1.3	1.0	1.8	2.0	1.5	1.7	1.5	1.0
21	MH 05-5	1.0	1.0	1.5	4.1	1.5	1.7	2.0	1.0
22	V-35	1.8	3.0	3.8	4.2	1.5	2.2	2.5	-
23	WH-4	1.5	3.0	2.8	2.8	2.5	2.2	2.0	0.5
24	IV-421	1.0	2.0	2.8	4.3	1.5	2.5	2.0	2.0
25	PAC-712	1.0	2.0	3.0	3.6	1.5	3.1	2.0	2.0
26	MCH-32	1.3	1.0	2.5	2.9	1.5	2.0	1.7	1.0
27	X-9411	1.3	1.0	2.8	3.8	1.5	1.7	1.5	1.0
28	PRO 368	1.0	1.0	3.0	2.2	1.5	2.0	2.5	1.0
29	PRO 369	1.5	2.0	1.8	2.0	2.0	2.2	2.8	2.0
	CHECKS								
30	KIRAN	1.3	2.0	3.8	3.9	1.5	2.2	2.3	2.0
31	PARKASH	1.3	2.0	3.0	4.0	2.0	2.0	2.3	1.0
32	X-3342	1.5	3.0	2.5	2.6	2.0	2.2	2.0	-
	Local	1.8	2.0	3.8	4.4	1.5	2.8	-	3.0

Checks used by station

Navjot CML-186

FR-632

Table 3

SL. NO	Pedigree	TLB (1-5)			BLSB (1-5)		SDM (%)	RDM	DM (%)
		ALM	NAG	BAJ	PANT	DEL	MAND	UDP	COIM
1	JH-31045	3.0	4.3	3.5	2.3	4.0	100.0	81.0	100.0
2	JC-3287	2.0	4.5	3.5	3.0	4.0	100.0	82.6	93.8
3	JC-3288	3.0	4.3	4.5	3.0	3.5	100.0	80.0	100.0
4	JC-3289	3.5	3.8	4.5	2.8	4.5	98.5	70.0	94.1
5	EH-1496	1.8	3.8	3.5	3.0	4.0	100.0	76.0	93.3
6	EH-1497	2.0	3.8	2.5	3.0	4.0	100.0	69.6	100.0
7	EH-1495	2.5	3.0	2.5	3.0	3.0	98.5	68.2	90.0
8	EH-1506	2.8	3.8	2.0	3.0	4.0	100.0	64.0	85.2
9	IHY 0364	2.0	3.3	3.0	2.8	3.5	100.0	85.0	90.3
10	BVM-10	2.0	3.5	3.0	2.8	3.5	100.0	58.8	96.2
11	BVM-9-1	2.8	3.3	2.0	3.0	4.5	100.0	87.5	100.0
12	D-131	2.5	3.3	3.5	3.3	4.0	100.0	68.0	88.1
13	FH-3311	1.8	2.0	4.0	3.0	4.0	100.0	12.5	52.5
14	R-2005-1	2.0	3.5	2.0	3.5	3.5	93.1	57.1	100.0
15	R-2005-2	1.3	3.8	3.0	2.8	3.5	98.5	50.0	55.0
16	R-2005-3	1.8	2.0	3.5	2.5	3.5	95.3	54.5	80.7
17	AH-47192	2.0	2.3	3.0	3.0	3.5	100.0	90.5	100.0
18	AH-48005	3.0	3.3	3.5	3.3	3.5	100.0	90.9	100.0
19	AH-48011	2.0	2.8	3.5	2.8	4.5	100.0	73.9	100.0
20	UMH-8	3.0	3.3	2.5	2.5	3.5	100.0	43.5	100.0
21	MH 05-5	2.5	3.8	4.5	3.8	4.5	100.0	66.7	100.0
22	V-35	3.3	4.8	3.0	3.3	4.0	88.5	36.8	100.0
23	WH-4	2.0	2.0	3.5	2.8	4.5	100.0	20.0	78.0
24	IV-421	2.0	3.3	2.0	2.5	4.0	100.0	78.9	100.0
25	PAC-712	2.8	2.0	1.5	2.8	3.5	91.2	8.7	92.7
26	MCH-32	1.5	2.0	0.5	3.0	3.5	60.6	0.0	0.0
27	X-9411	1.8	2.0	0.5	3.5	3.5	100.0	13.6	42.1
28	PRO 368	2.8	3.8	3.5	2.8	3.5	100.0	41.7	73.9
29	PRO 369	3.0	2.5	4.0	3.0	4.0	98.5	4.0	65.2
CHECKS									
30	KIRAN	4.0	3.8	4.5	3.0	4.5	100.0	81.8	100.0
31	PARKASH	4.3	4.8	4.5	3.3	3.5	100.0	90.5	100.0
32	X-3342	2.0	3.8	4.0	3.0	4.5	100.0	65.0	88.5
	Local	2.8	4.8	4.5			11.6	63.2	100.0
							100.0		

Checks used by station

CM-202

NAC-6004(
CM-500 (S)

Table 3

SL. NO	Pedigree	BSDM (1-5)		PFSR (1-9)			ESR (%)		P.Rust (1-5)		No. of cyst per plant UDP
		DHAU	PANT	LUD	HYD	UDP	DHAU	PANT	NAG		
1	JH-31045	2.0	1.3	4.1	4.6	4.5	56.8	61.3	3.5	8-12	
2	JC-3287	2.5	2.8	3.6	5.5	5.2	38.8	51.2	3.3	10-14	
3	JC-3288	3.0	2.5	4.6	5.4	5.2	59.0	49.8	2.8	12-18	
4	JC-3289	2.0	3.3	4.8	5.6	6.8	61.3	70.0	3.3	8-13	
5	EH-1496	1.0	2.8	4.5	5.3	5.4	71.0	53.0	2.8	6-11	
6	EH-1497	3.0	3.0	3.8	5.3	5.1	71.1	66.2	4.0	13-19	
7	EH-1495	2.0	2.8	3.9	4.7	3.9	74.5	80.5	3.8	15-20	
8	EH-1506	4.0	2.8	4.2	6.0	2.5	63.9	65.6	3.0	8-12	
9	IHY 0364	2.0	3.5	3.3	5.3	4.3	70.5	57.4	3.0	10-15	
10	BVM-10	2.5	1.3	4.6	5.7	5.5	64.2	61.4	4.0	13-17	
11	BVM-9-1	2.5	1.5	4.7	5.6	5.7	80.0	85.9	3.3	7-11	
12	D-131	2.0	1.5	4.3	5.2	5.1	64.1	52.9	2.8	8-14	
13	FH-3311	2.0	1.3	4.0	5.0	4.9	74.6	54.3	2.3	13-18	
14	R-2005-1	2.5	1.5	4.2	5.2	5.6	15.8	78.3	3.8	7-13	
15	R-2005-2	3.0	1.8	3.7	5.8	5.9	59.0	44.3	3.8	6-10	
16	R-2005-3	2.0	1.5	4.1	6.0	5.6	46.1	30.1	3.5	10-15	
17	AH-47192	2.5	1.8	3.4	6.4	6.0	48.3	33.3	3.5	5-9	
18	AH-48005	2.0	1.5	3.7	4.6	4.6	42.1	42.6	2.8	8-13	
19	AH-48011	1.5	1.8	4.4	5.7	5.6	57.1	59.6	3.8	12-18	
20	UMH-8	1.0	1.8	4.0	5.0	4.6	51.6	25.0	2.3	15-21	
21	MH 05-5	2.0	3.3	4.1	5.7	5.6	70.0	70.3	2.3	12-16	
22	V-35	3.0	2.5	3.8	5.3	5.9	55.9	73.2	2.8	19-22	
23	WH-4	3.5	2.0	4.4	5.3	6.1	23.8	55.7	3.3	8-11	
24	IV-421	2.0	1.5	6.1	4.8	5.0	46.4	71.5	3.8	9-14	
25	PAC-712	1.0	1.3	4.0	5.8	4.2	38.3	45.8	2.5	11-17	
26	MCH-32	2.0	1.5	3.0	5.5	3.7	18.4	32.0	1.8	7-11	
27	X-9411	3.0	2.0	4.1	5.4	3.0	25.4	57.7	3.8	9-15	
28	PRO 368	2.0	1.5	4.3	6.2	5.6	31.0	48.4	3.3	13-18	
29	PRO 369	2.5	1.3	3.6	5.6	8.0	68.0	74.0	2.0	13-20	
	CHECKS										
30	KIRAN	2.0	3.0	3.7	6.2	5.4	63.8	67.5	3.8	6-12	
31	PARKASH	1.0	2.8	4.2	5.4	4.1	53.7	50.1	2.3	13-18	
32	X-3342	1.0	1.8	4.7	5.6	6.5	39.3	81.6	3.8	8-13	
	Local	1.0		4.5	6.7	4.8	7.0		2.8	21-28	

Checks used by station

FR-632

CM-202 Ganga-2

Table 4 Evaluation of maize genotypes (IET extra early maturity) against various maize diseases during kharif 2005 Trial No.64

SL. NO	Pedigree	MLB (1-5)							
		ALM	DHAU	JASH	DHO	DEL	LUD	KAR	BAJ
1	JH-31041	1.3	2.0	2.3	4.0	2.0	2.5	2.8	2.0
2	JH-31046	1.3	2.0	2.8	4.2	1.5	2.5	2.3	2.0
3	JH-31050	1.3	3.0	2.5	3.7	2.0	3.2	3.0	-
4	BVM-9	1.8	4.0	3.3	4.4	1.5	2.5	1.5	2.0
5	FH-3294	1.0	1.0	2.3	4.3	2.0	2.0	2.5	2.0
6	FH-3352	1.8	3.0	3.0	4.0	2.0	2.7	2.3	1.0
7	SMH-49114	1.8	4.0	3.0	3.8	1.5	2.2	2.3	1.5
8	AH-31021	1.5	2.0	2.3	4.1	2.0	2.2	2.3	2.0
9	AH-31037	2.0	2.0	3.0	3.9	2.0	2.0	2.3	3.0
10	ANEP COMP-04	2.0	2.5	2.5	4.0	1.5	3.3	2.5	1.0
11	WC-236	1.0	2.5	2.3	3.6	1.5	2.2	2.0	2.0
12	VC-2005	1.0	4.0	3.0	4.1	2.5	3.5	2.3	1.0
CHECKS									
13	HIM-129	1.3	4.0	3.0	4.3	2.5	2.0	2.3	1.0
14	SURYA	1.5	5.0	3.5	4.2	2.5	3.2	1.8	2.0
15	AMAR	1.3	5.0	3.5	4.3	2.0	2.7	1.8	2.0
	Local	1.8	3.0	3.5	4.4		2.5		3.0
	Checks used by station			Navjot	CML-186		FR-632		

SL. NO	Pedigree	TLB (1-5)				BLSB (1-5)		SDM (%)	RDM	DM (%)
		ALM	NAG	BAJ	ARB	PANT	DEL	MAND	UDP	COIM
1	JH-31041	3.0	4.5	3.5	4.5	2.8	4.5	100.0	95.7	100.0
2	JH-31046	3.5	5.0	4.0	5.0	2.5	3.5	100.0	76.2	100.0
3	JH-31050	4.0	5.0	4.5	4.5	3.0	4.5	100.0	91.3	100.0
4	BVM-9	3.3	4.5	2.0	4.0	3.3	4.5	100.0	50.0	100.0
5	FH-3294	3.0	3.8	1.0	3.5	2.3	4.5	100.0	4.4	90.9
6	FH-3352	3.0	4.5	2.0	3.8	3.0	4.0	100.0	77.3	100.0
7	SMH-49114	1.8	4.3	2.0	2.0	2.5	4.0	100.0	37.5	83.3
8	AH-31021	3.0	4.5	2.5	4.5	3.3	4.0	100.0	40.9	100.0
9	AH-31037	2.5	4.5	2.0	4.5	2.5	4.5	100.0	21.1	100.0
10	ANEP COMP-04	2.5	4.5	4.5	3.6	2.5	4.0	100.0	28.6	87.5
11	WC-236	3.3	4.5	1.5	3.2	3.0	4.0	100.0	38.1	90.0
12	VC-2005	4.0	4.0	2.0	5.0	3.0	3.5	100.0	47.8	100.0
CHECKS										
13	HIM-129	2.0	4.3	2.5	2.8	3.0	4.5	100.0	4.3	100.0
14	SURYA	3.0	4.5	4.0	5.0	2.5	5.0	100.0	43.5	100.0
15	AMAR	3.5	5.0	4.5	2.8	3.0	4.5	100.0	18.2	100.0
	Local	2.8	4.5	4.5	5.0			10.3	17.6	100.0
	Checks used by station		5.0		2.0			100.0		
			CM-202		CM-202(R			NAC-6004(Local	
					CI-4 (S)			CM-500 (S)		

Table 4.

SL. NO	Pedigree	BSDM (1-5)		PFSR (1-9)			ESR (%)	
		DHAU	PANT	LUD	HYD	UDP	DHAU	PANT
1	JH-31041	2.0	1.3	4.8	5.2	4.0	40.0	41.2
2	JH-31046	1.5	1.5	6.1	6.2	7.4	38.0	90.9
3	JH-31050	1.0	4.8	6.1	5.1	3.7	58.3	52.1
4	BVM-9	1.0	2.8	5.5	6.2	6.0	69.8	72.1
5	FH-3294	1.0	1.3	4.5	6.8	6.2	76.0	54.0
6	FH-3352	1.0	1.8	4.1	5.4	4.0	62.7	82.0
7	SMH-49114	1.5	1.8	4.0	5.4	3.3	63.0	40.8
8	AH-31021	1.5	2.5	4.1	5.3	3.4	38.1	34.9
9	AH-31037	2.0	3.8	4.4	5.8	4.0	54.5	80.2
10	ANEP COMP-04	3.0	1.8	5.3	5.5	5.1	70.1	51.4
11	WC-236	2.0	1.5	5.0	5.0	2.8	70.8	29.2
12	VC-2005	1.0	1.5	5.1	5.6	5.8	69.6	78.6
CHECKS								
13	HIM-129	1.5	1.8	5.1	5.0	4.7	59.1	77.5
14	SURYA	2.0	1.8	6.2	5.7	4.7	85.1	70.5
15	AMAR	2.5	2.8	5.1	6.0	4.7	76.9	54.6
	Local	2.5		4.4	6.7	4.2	8.9	
Checks used by station				FR-632				

SL. NO	Pedigree	P.Rust (1-5) NAG	No. of	
			cyst per plant UDP	C. rust (1-5) ARB
1	JH-31041	3.3	15-20	3.0
2	JH-31046	1.8	11-15	3.0
3	JH-31050	2.8	12-19	1.5
4	BVM-9	3.3	7-11	2.0
5	FH-3294	2.0	12-17	2.2
6	FH-3352	4.0	9-14	4.5
7	SMH-49114	2.8	5-8	1.5
8	AH-31021	2.0	12-16	3.0
9	AH-31037	2.8	16-21	2.0
10	ANEP COMP-04	2.0	9-13	3.0
11	WC-236	2.0	12-18	1.0
12	VC-2005	3.3	10-15	2.5
CHECKS				
13	HIM-129	4.3	7-11	2.0
14	SURYA	2.5	12-17	2.0
15	AMAR	3.8	16-22	1.5
	Local	2.8	27-32	3.6
2.0				
Checks used by station		CM-202	Ganga-2	CM-202(R) CI-4 (S)

Table 5 Evaluation of maize genotypes (full season maturity) against various maize diseases during kharif 2005 Trial No.75

SL. NO	Pedigree	MLB	DHAU	JASH	DHO	DEL	LUD	KAR	BAJ
		(1-5)							
		ALM							
AET 1st YEAR									
1	M.S. POOL C7	1.8	2.0	2.8	2.7	1.5	2.0	2.0	-
2	TUX. POOL C7	1.3	2.0	2.5	2.0	2.0	2.5	1.8	0.5
3	NECH-128	1.3	2.0	3.5	3.4	1.5	3.0	1.8	0.5
4	NECH-129	1.0	1.0	3.0	2.0	1.5	2.5	1.8	1.5
5	MCH-23	1.8	2.0	3.0	4.0	1.5	2.5	1.8	-
6	BIO-31006	1.3	3.0	3.3	2.0	2.0	2.2	2.0	2.0
7	BH-3313	1.0	4.0	2.8	3.8	1.5	2.2	1.8	2.0
AET 2nd YEAR									
8	JH-10655	1.0	2.0	1.5	2.0	2.0	2.2	1.8	2.0
9	JC-1441 C3 FS	1.3	2.0	3.0	2.0	2.0	2.7	-	2.0
10	BH-3313	1.3	3.0	3.0	3.9	2.0	2.2	1.8	2.0
CHECKS									
11	PARBHAT	1.3	3.0	3.0	2.7	1.5	2.5	2.0	1.0
12	SEEDTEC-2324	1.0	2.0	3.3	2.2	1.5	2.5	1.5	3.0
13	BIO-9681	1.8	2.0	3.0	4.0	2.5	2.2	1.8	2.0
14	PRO-311	1.5	2.0	3.0	3.4	1.5	2.2	1.5	1.0
15	CM-500	1.8	3.0	4.0	3.5	1.5	1.7	2.3	4.0
16	Local	1.5	3.0	3.5	4.4	4.0	3.2	1.5	4.5
			3.0	3.5					

Checks used by station

Navjat

CM-186

CM 119

FR 632

Table 5

SL. NO	Pedigree	TLB	ALM	(1-5)	NAG	BAJ	PANT	(1-5)	DEL	MAND	SDM	RDM	DM (%)	COIM
1	AET 1st YEAR	1.5	3.8	1.0	2.5	3.5	4.0	100.0	34.8	100.0	100.0	100.0	100.0	100.0
2	M.S. POOL C7	1.3	4.5	3.0	2.8	4.0	100.0	17.4	100.0	100.0	100.0	100.0	100.0	100.0
3	NECH-128	1.8	4.5	3.5	3.3	3.5	94.4	19.1	50.0	100.0	100.0	100.0	100.0	100.0
4	NECH-129	1.8	3.0	2.5	2.8	3.0	100.0	20.8	66.7	100.0	100.0	100.0	100.0	100.0
5	MCH-23	1.5	3.8	1.0	3.0	2.5	100.0	26.1	100.0	100.0	100.0	100.0	100.0	100.0
6	BIO-31006	1.5	3.5	1.0	2.5	3.5	97.6	17.4	47.4	100.0	100.0	100.0	100.0	100.0
7	BH-3313	2.8	3.8	2.0	2.5	3.5	100.0	95.5	100.0	100.0	100.0	100.0	100.0	100.0
8	AET 2nd YEAR	1.3	2.0	2.5	2.3	3.0	94.9	6.7	54.5	100.0	100.0	100.0	100.0	100.0
9	JH-10655	2.0	4.4	1.0	2.8	2.5	98.7	59.1	100.0	100.0	100.0	100.0	100.0	100.0
10	JC-1441 C3 FS	2.0	4.5	2.0	3.0	3.5	100.0	68.2	100.0	100.0	100.0	100.0	100.0	100.0
11	BH-3313	2.0	4.5	2.0	3.0	3.5	100.0	68.2	100.0	100.0	100.0	100.0	100.0	100.0
12	PARBHAT	2.0	3.3	3.0	2.5	2.5	100.0	43.5	100.0	100.0	100.0	100.0	100.0	100.0
13	SEEDTEC-2324	1.5	3.8	1.0	2.5	2.5	97.0	52.4	94.1	100.0	100.0	100.0	100.0	100.0
14	BIO-9681	1.5	3.5	1.0	3.0	4.0	43.9	0.0	71.4	100.0	100.0	100.0	100.0	100.0
15	PRO-311	2.8	3.5	2.0	2.5	3.5	81.5	12.5	92.3	100.0	100.0	100.0	100.0	100.0
16	CM-500	3.0	3.3	3.0	2.8	4.0	91.0	85.7	100.0	100.0	100.0	100.0	100.0	100.0
17	Local	3.0	4.5	4.0	2.3	4.0	12.5	40.9	100.0	100.0	100.0	100.0	100.0	100.0
			4.8				11.5							
							93.0							

Checks used by station

CM-202

CM-206

CM-500 (S)
NAC-8004

Table 5

SL. NO	Pedigree	BSDM (1-5)	DHAU	PANT	LUD (1-9)	HYD	UDP	DHAU (%) ESR	PANT	NAG (1-5)	No. of cyst per plant	P. Rust
1	AET 1st YEAR	2.0	3.0	4.4	5.9	5.9	5.6	23.7	46.8	2.8	7-12	3.3
2	M.S. POOL C7	1.5	1.3	4.3	5.5	4.8	36.7	35.0	3.3	8-14	2.3	15-20
3	NECH-128	2.0	1.5	5.7	5.3	3.1	40.7	44.4	2.3	8-14	2.3	13-17
4	NECH-129	3.0	1.3	4.9	5.3	3.5	11.1	21.3	2.5	10-13	1.0	11-16
5	MCH-23	2.0	1.5	5.8	5.9	4.6	35.8	70.1	2.3	6-10	2.8	7-11
6	BIO-31006	3.5	1.0	5.8	5.8	5.5	23.8	43.8	2.3	8-13	2.8	9-15
7	BH-3313	3.0	2.0	5.8	5.3	4.5	36.9	57.2	2.8	8-13	2.8	9-15
8	JH-10655	2.0	1.3	2.9	5.5	4.1	35.0	41.6	2.8	8-13	2.8	9-15
9	JC-1441 C3 FS	2.5	3.0	5.4	5.4	4.2	55.1	66.9	2.8	8-13	2.8	9-15
10	BH-3313	3.5	2.3	5.4	5.6	4.4	35.4	90.2	3.0	8-13	2.8	9-15
11	CHECKS	3.0	2.0	6.3	5.7	5.6	45.0	25.7	2.3	12-19	2.3	12-19
12	PARBHAT	3.0	2.0	6.3	5.7	5.6	45.0	25.7	2.3	12-19	2.3	12-19
13	SEEDTEC-2324	3.5	1.0	5.3	5.9	4.3	18.7	22.0	2.0	6-12	2.0	6-12
14	BIO-9681	3.5	1.5	5.3	4.8	6.0	33.3	65.5	3.8	17-21	3.8	17-21
15	PRO-311	3.0	1.0	4.7	6.1	4.6	14.0	23.0	3.0	8-14	3.0	8-14
16	CM-500	3.0	1.3	5.3	6.4	4.1	57.1	67.0	2.3	11-16	2.3	11-16
16	LOCAL	2.5	3.0	4.2	6.7	4.7	76.4	77.9	3.0	23-30	3.0	23-30

Checks used by station

CM-202 Ganga-2

Table 6 Evaluation of maize genotypes (medium maturity) against various maize diseases during kharif 2005 Trial No.76

SL. NO	Pedigree	MLB	(1-5)	ALM	DHAN	JASH	DHO	DEL	LUD	KAR	BAJ	Checks used by station													
												Naval	CM-186	CM 119	Local	CM 500									
1	AET 1st YEAR	1.5	3.0	3.5	3.8	2.5	3.5	2.3	3.5	2.3	3.0	3.0	L-186	1.5	3.0	3.5	3.8	2.5	3.5	2.3	3.5	2.3	3.0	3.0	
2	EC-3138	1.5	3.0	4.0	3.7	2.0	3.7	2.0	3.2	3.2	2.8	2.0	EC-3138	1.5	3.0	4.0	3.7	2.0	3.2	3.2	3.2	3.2	2.8	2.0	2.0
3	CHH-218	1.5	4.0	3.3	3.5	2.0	3.3	2.0	3.3	3.3	2.8	2.0	CHH-218	1.5	4.0	3.3	3.5	2.0	3.3	3.3	3.3	3.3	2.8	2.0	2.0
4	CHH-219	1.8	3.0	3.0	3.0	1.5	3.0	1.5	3.0	3.0	2.3	1.0	CHH-219	1.8	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0	2.3	1.0	1.0
5	AH-31417	1.5	2.0	3.3	4.0	2.0	4.0	2.0	2.2	-	3.0	3.0	AH-31417	1.5	2.0	3.3	4.0	2.0	2.2	-	3.0	3.0	3.0	3.0	
6	AH-31406	1.5	2.0	2.8	3.2	2.0	3.2	2.0	2.0	2.0	2.0	2.0	AH-31406	1.5	2.0	2.8	3.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
7	AH-31403	1.5	2.0	3.5	3.4	1.5	3.4	1.5	2.5	2.8	0.5	0.5	AH-31403	1.5	2.0	3.5	3.4	1.5	2.5	2.8	0.5	0.5	0.5	0.5	
8	JKMH-702	1.0	4.0	3.3	4.1	2.0	4.1	2.0	3.7	1.8	3.0	3.0	JKMH-702	1.0	4.0	3.3	4.1	2.0	3.7	1.8	3.0	3.0	3.0	3.0	
9	X-85	1.3	2.0	2.8	2.0	2.0	2.0	2.0	2.5	1.5	1.0	1.0	X-85	1.3	2.0	2.8	2.0	2.0	2.5	1.5	1.0	1.0	1.0		
10	PMZ-150	1.0	3.0	2.5	3.3	1.5	3.3	1.5	3.7	1.3	2.0	2.0	PMZ-150	1.0	3.0	2.5	3.3	1.5	3.7	1.3	2.0	2.0	2.0	2.0	
11	PMZ-139	1.0	3.0	2.5	4.3	2.5	4.3	2.5	3.3	2.0	1.0	1.0	PMZ-139	1.0	3.0	2.5	4.3	2.5	3.3	2.0	1.0	1.0	1.0	1.0	
12	SMH-3103	1.8	4.0	3.5	3.2	2.5	3.2	2.5	3.5	2.0	3.0	3.0	SMH-3103	1.8	4.0	3.5	3.2	2.5	3.5	2.0	2.0	2.0	2.0	2.0	
13	HKH-1191	1.8	2.0	2.8	2.0	1.5	2.0	1.5	3.2	1.8	2.0	2.0	HKH-1191	1.8	2.0	2.8	2.0	1.5	3.2	1.8	2.0	2.0	2.0		
14	HKH-1188	1.8	3.0	3.0	2.0	1.5	2.0	1.5	2.2	2.5	2.0	2.0	HKH-1188	1.8	3.0	3.0	2.0	1.5	2.2	2.5	2.0	2.0	2.0		
15	MH 03-2	2.3	2.0	2.8	3.6	1.5	3.6	1.5	3.2	2.3	2.0	2.0	MH 03-2	2.3	2.0	2.8	3.6	1.5	3.2	2.3	2.0	2.0			
16	V-32	2.0	3.0	3.0	3.7	1.5	3.7	1.5	3.0	2.3	3.0	3.0	V-32	2.0	3.0	3.0	3.7	1.5	3.0	2.3	2.3	3.0			
17	V-33	1.3	4.0	3.0	3.2	2.0	3.2	2.0	2.2	2.3	3.0	3.0	V-33	1.3	4.0	3.0	3.2	2.0	2.2	2.3	2.3	3.0			
18	L-186	1.8	3.0	3.3	4.2	2.0	4.2	2.0	3.3	1.8	3.0	3.0	L-186	1.8	3.0	3.3	4.2	2.0	3.3	1.8	3.0				
19	AH-017045	1.5	4.0	3.3	3.4	2.5	3.4	2.5	3.5	1.8	2.0	2.0	AH-017045	1.5	4.0	3.3	3.4	2.5	3.5	1.8	2.0				
20	AH-017051	1.3	2.0	2.5	2.0	1.5	2.0	1.5	2.5	2.0	2.0	2.0	AH-017051	1.3	2.0	2.5	2.0	1.5	2.5	2.0	2.0				
21	BH-3443	1.3	3.0	3.3	3.5	2.0	3.5	2.0	2.0	2.0	3.0	3.0	BH-3443	1.3	3.0	3.3	3.5	2.0	2.0	2.0	2.0				
22	KAVARI-2288	1.5	3.0	2.5	3.2	1.5	3.2	1.5	3.0	1.8	2.0	2.0	KAVARI-2288	1.5	3.0	2.5	3.2	1.5	3.0	1.8	2.0				
23	X 1150 Z	1.5	3.0	2.5	4.2	1.5	4.2	1.5	3.0	2.0	2.0	2.0	X 1150 Z	1.5	3.0	2.5	4.2	1.5	3.0	2.0	2.0				
24	PMZ-136	1.3	3.0	2.8	3.7	1.5	3.7	1.5	2.7	2.0	2.0	2.0	PMZ-136	1.3	3.0	2.8	3.7	1.5	2.7	2.0	2.0				
25	SMH-3758	1.5	3.0	3.3	3.4	1.5	3.4	1.5	3.5	2.0	1.5	1.5	SMH-3758	1.5	3.0	3.3	3.4	1.5	3.5	2.0	1.5				
26	BIO-22069	1.0	2.0	2.5	3.7	1.5	3.7	1.5	2.2	2.0	2.0	2.0	BIO-22069	1.0	2.0	2.5	3.7	1.5	2.2	2.0	2.0				
27	NAVJOT	1.3	3.0	3.5	3.6	2.0	3.6	2.0	3.0	1.5	2.0	2.0	NAVJOT	1.3	3.0	3.5	3.6	2.0	3.0	1.5	2.0				
28	KH-510	1.3	3.0	2.3	3.0	2.0	3.0	2.0	2.0	2.0	1.0	1.0	KH-510	1.3	3.0	2.3	3.0	2.0	2.0	2.0	2.0				
29	BIO-9637	1.3	2.0	2.3	2.0	2.0	2.0	2.0	2.2	1.8	2.0	2.0	BIO-9637	1.3	2.0	2.3	2.0	2.0	2.2	1.8	2.0				
30	CM 500	1.5	3.0	3.5	4.0	2.0	4.0	2.0	3.1	1.8	2.0	2.0	CM 500	1.5	3.0	3.5	4.0	2.0	3.1	1.8	2.0				
31	Local	1.8	3.0	3.0	4.4	4.0	4.4	4.0	3.3	1.8	3.0	3.0	Local	1.8	3.0	3.0	4.4	4.0	3.3	1.8	3.0				

Table 6

SL NO Pedigree	TLB	ALM (1-5)	NAG	BAJ	BLSB (1-5)	PANT	DEL	SDM (%)	RDM	UDF	COIM
1 L-186	3.0	3.8	2.0	2.8	3.5	100.0	72.0	87.5	100.0	100.0	100.0
AET 1st YEAR											
2 EC-3138	2.0	4.0	3.5	2.5	3.5	100.0	52.2	100.0	100.0	100.0	100.0
3 CHH-218	3.0	3.8	3.5	3.0	3.5	100.0	69.6	100.0	100.0	100.0	100.0
4 CHH-219	1.8	1.8	3.8	2.0	3.3	100.0	68.2	100.0	100.0	100.0	100.0
5 AH-31417	1.8	4.5	3.0	2.8	4.0	100.0	88.0	100.0	100.0	100.0	100.0
6 AH-31406	1.5	5.0	3.0	2.8	3.5	100.0	100.0	100.0	100.0	100.0	100.0
7 AH-31403	2.5	4.3	3.5	3.3	3.0	100.0	100.0	100.0	100.0	100.0	100.0
8 JKMH-702	2.0	4.0	3.5	2.8	3.5	100.0	92.5	8.3	100.0	100.0	100.0
9 X-85	2.5	3.8	2.0	2.8	4.0	100.0	96.5	30.4	100.0	100.0	100.0
10 PMZ-150	1.3	2.8	2.0	3.0	4.0	100.0	60.9	71.4	100.0	100.0	100.0
11 PMZ-139	1.3	2.0	1.0	3.0	3.5	100.0	52.2	100.0	100.0	100.0	100.0
12 SMH-3103	2.5	2.8	2.5	3.3	4.0	100.0	97.2	37.5	100.0	100.0	100.0
13 HKH-1191	1.8	1.5	2.0	2.3	3.5	100.0	65.0	100.0	100.0	100.0	100.0
14 HKH-1188	1.5	2.3	1.0	2.5	3.0	100.0	72.7	100.0	100.0	100.0	100.0
15 MH 03-2	1.8	3.0	2.0	2.8	4.0	100.0	66.8	34.8	100.0	100.0	100.0
16 V-32	3.0	4.0	4.5	2.5	3.5	100.0	79.2	100.0	100.0	100.0	100.0
17 V-33	3.0	3.5	3.5	3.8	4.0	100.0	68.0	100.0	100.0	100.0	100.0
AET 2nd YEAR											
18 L-166	3.0	4.3	2.5	3.0	3.5	100.0	40.9	85.0	100.0	100.0	100.0
19 AH-017045	3.3	4.5	2.0	3.0	3.5	100.0	85.7	100.0	100.0	100.0	100.0
20 AH-017051	1.8	4.5	3.0	3.3	4.5	100.0	100.0	100.0	100.0	100.0	100.0
21 BH-3443	2.0	4.0	3.0	3.0	3.5	100.0	85.7	100.0	100.0	100.0	100.0
22 KAVERI-2288	2.8	2.5	3.5	2.3	3.5	100.0	98.5	52.2	92.0	100.0	100.0
23 X 1150 Z	3.0	4.3	3.5	2.8	3.5	100.0	28.7	0.0	50.0	100.0	100.0
24 PMZ-136	2.3	2.8	3.5	3.3	3.5	100.0	95.5	33.3	100.0	100.0	100.0
25 SMH-3758	1.8	2.3	3.0	2.5	3.0	100.0	86.8	0.0	23.1	100.0	100.0
26 BIO-22069	1.0	2.8	2.5	3.3	3.5	100.0	75.0	100.0	100.0	100.0	100.0
CHECKS											
27 NAVJOT	3.0	4.5	1.5	3.3	4.0	100.0	86.4	100.0	100.0	100.0	100.0
28 KH-510	1.3	2.0	3.5	3.0	3.5	100.0	21.3	0.0	70.6	100.0	100.0
29 BIO-9637	1.0	2.3	2.0	3.3	3.0	100.0	98.8	52.4	100.0	100.0	100.0
30 CM 500	2.0	3.8	3.5	2.8	3.5	100.0	77.8	63.6	100.0	100.0	100.0
31 Local	2.8	4.3	4.5	3.0	3.5	100.0	11.8	19.2	100.0	100.0	100.0

Checks used by station

CM-202

CM 119

NAC-6004R
CM-500 (S)

Table 6

SL. NO	Pedigree	BSDM (1-5)	PANT	LUD (1-9)	HYD	UDP	DHAU (%)	PANT	NAG (1-5)	UDP	No. of cyst per plant
1	AET 1st YEAR	1.0	1.5	4.3	5.1	5.4	47.1	44.8	3.3	10-18	3.3
2	EC-3138	3.0	1.8	4.1	5.4	5.1	53.8	60.4	3.5	12-19	3.5
3	CHH-218	1.5	2.8	3.7	5.1	5.3	60.3	51.7	3.8	7-12	3.8
4	CHH-219	1.0	2.3	3.7	5.3	5.7	33.9	55.7	3.0	16-21	3.0
5	AH-31417	2.0	4.5	4.1	4.2	5.1	66.3	59.7	3.0	9-16	3.0
6	AH-31406	1.5	1.8	3.2	4.7	5.5	22.9	28.6	2.0	20-25	2.0
7	AH-31403	3.0	2.5	4.2	4.9	5.2	26.9	59.3	3.5	13-20	3.5
8	JKMH-702	3.5	1.8	3.8	5.9	4.7	29.8	37.2	2.3	8-14	2.3
9	X-85	2.0	1.5	4.3	5.0	4.6	34.9	27.8	2.3	10-15	2.3
10	PMZ-150	2.5	1.5	3.7	5.2	4.9	52.9	28.9	3.8	7-11	3.8
11	PMZ-139	3.0	2.8	4.5	5.1	4.6	36.2	39.2	2.3	10-17	2.3
12	SMH-3103	3.0	4.5	3.6	5.4	6.2	50.8	46.0	3.3	5-10	3.3
13	HKH-1191	2.0	1.5	4.5	5.0	5.3	29.8	39.5	4.0	12-21	4.0
14	HKH-1188	2.5	1.0	2.9	6.2	4.7	30.1	42.5	3.8	19-28	3.8
15	MH 03-2	1.0	3.0	3.4	5.8	4.7	37.5	27.8	3.5	16-22	3.5
16	V-32	1.0	2.3	3.2	5.2	3.9	34.5	35.8	3.8	13-18	3.8
17	V-33	1.0	3.0	3.6	5.2	4.5	36.5	45.3	4.3	6-12	4.3
18	AET 2nd YEAR	2.0	3.0	4.5	5.6	4.8	32.7	45.5	3.3	10-17	3.3
19	AH-017045	3.0	3.3	4.3	4.7	4.2	65.3	46.2	3.3	20-24	3.3
20	AH-017051	2.0	3.0	3.9	5.5	4.0	34.6	53.0	3.5	11-18	3.5
21	BH-3443	2.5	1.8	4.6	5.5	4.2	28.8	32.3	3.0	10-16	3.0
22	KAVERI-2288	2.0	1.8	3.9	5.5	4.6	50.0	45.1	4.0	15-20	4.0
23	X 1150 Z	2.5	4.3	3.3	5.1	5.0	45.2	90.5	2.8	12-19	2.8
24	PMZ-136	2.0	1.8	3.6	4.3	5.1	41.6	56.0	2.8	11-15	2.8
25	SMH-3758	2.5	1.5	4.2	5.3	4.2	41.0	48.1	4.3	9-13	4.3
26	BIO-22069	2.0	3.0	3.9	5.7	6.2	42.0	51.7	3.8	16-21	3.8
27	NAVJOT	3.0	1.8	3.8	4.8	5.9	28.2	47.2	3.8	6-9	3.8
28	KH-510	3.5	1.3	2.9	5.7	4.2	36.8	27.8	3.8	8-14	3.8
29	BIO-9637	2.0	1.5	4.5	5.6	5.5	30.6	34.3	2.8	10-17	2.8
30	CM 500	2.0	2.0	3.0	4.3	7.1	72.7	76.0	2.3	9-13	2.3
31	Local	3.0	3.8	3.1	6.7	3.9	64.1	70.0	3.3	24-32	3.0

Checks used by station

FR-632

Ganga-2 Ganga-11
CM-202

Table 7 Evaluation of maize genotypes (early maturity) against various maize diseases during kharif 2005 Trial No.77

SL. NO	Pedigree	MLB	(1-5)	ALM	DHU	JASH	DHO	DEL	LUD	KAR	BAJ
1	JH-31013	1.5	2.0	1.8	3.7	1.5	2.2	1.8	2.0	2.0	2.0
2	JH-3982	1.5	2.0	2.3	3.6	2.0	2.5	1.8	3.0	1.8	3.0
3	JC-3272	1.8	3.0	4.0	2.5	3.0	2.0	2.5	3.0	2.0	2.0
4	L-201	2.3	3.0	3.8	3.4	2.0	2.0	2.5	2.5	1.5	2.0
5	EH-1389	1.8	3.0	3.3	4.0	2.0	2.0	2.2	2.2	1.3	3.0
6	EH-1485	1.8	2.5	3.3	3.2	2.0	2.0	2.2	2.0	2.0	3.0
7	EH-1297	2.0	2.0	3.0	3.5	1.5	1.5	2.2	1.8	1.8	1.0
8	EH-1265	2.3	2.0	3.8	4.0	2.0	2.0	3.0	3.0	2.5	2.0
9	BVM-4-1	1.8	2.5	3.5	4.0	2.0	2.0	3.0	3.0	1.8	2.5
10	BVM-8	1.8	1.0	3.0	3.6	2.0	2.0	2.0	2.0	1.8	1.5
11	FH-3273	1.8	3.0	2.5	2.0	2.0	2.0	2.0	2.3	1.0	1.0
12	FH-3289	1.5	3.5	2.8	4.1	2.0	2.0	2.5	1.8	1.0	1.0
13	AH-31045	1.5	2.0	2.8	3.7	2.0	2.0	2.7	1.5	1.0	1.0
14	MCH-26	1.5	1.0	3.3	2.0	1.5	1.5	3.5	1.5	1.0	1.0
15	MCH-27	1.5	2.0	1.8	3.4	1.5	1.5	2.7	2.0	0.5	0.5
16	X-2484	1.5	3.0	2.3	2.0	1.5	1.5	2.2	2.0	2.0	2.0
17	PMZ-146	1.3	2.0	2.5	2.0	1.5	2.0	1.8	2.5	2.5	2.5
AET 2nd YEAR											
18	JH-31036	1.3	2.5	1.8	2.3	2.0	2.0	3.0	1.8	3.0	3.0
19	KAVARI-2020	1.8	2.0	2.3	3.4	1.5	1.5	3.2	1.5	1.5	1.5
20	JKMH-1710	1.3	2.0	2.5	3.7	1.5	1.5	2.5	2.3	1.0	1.0
21	FH-3259	1.0	1.0	2.3	3.2	2.0	2.0	2.2	2.0	1.0	1.0
22	FH-3246	1.0	3.0	1.8	2.0	1.5	1.5	2.5	2.0	1.0	1.0
23	HKH-1176	1.3	2.0	2.5	3.5	2.0	2.0	3.0	1.8	1.0	1.0
CHECKS											
24	KIRAN	1.8	2.0	3.3	4.0	2.5	2.5	2.5	1.8	2.0	2.0
25	PARKASH	1.8	2.5	2.5	3.8	1.5	1.5	2.2	2.0	1.0	1.0
26	X-3342	1.3	2.0	3.0	2.2	2.0	2.0	2.2	2.2	-	2.0
27	CM 500	1.8	3.0	3.5	4.2	2.0	2.0	2.2	1.8	3.0	3.0
28	Local	1.8	2.0	3.0	4.4	4.0	4.0	3.2	1.8	3.0	3.0

Checks used by station

Nayak CML-186 CM 119 FR 632

Table 7

SL. NO	Pedigree	TLB	ALM	(1-5)	NAG	BAJ	PANT	(1-5)	DEL	MAND	(%)	SDM	RDM	UDP	COIM	DM (%)
1	JH-31013	3.0	3.0	5.0	4.5	2.0	3.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	JH-3982	3.3	3.0	5.0	4.5	3.3	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	80.0
3	JC-3272	3.0	3.0	5.0	4.5	3.3	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4	L-201	3.0	3.0	4.5	3.5	2.5	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	EH-1389	3.0	3.0	4.5	3.0	2.5	2.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6	EH-1485	2.5	2.5	4.8	3.5	2.5	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7	EH-1297	2.8	2.8	5.0	3.0	2.8	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8	EH-1265	2.5	2.5	4.0	2.5	2.0	3.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9	BVM-4-1	2.5	2.5	4.5	3.5	2.8	3.0	98.5	37.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	BVM-8	2.5	2.5	3.8	3.0	2.3	3.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11	FH-3273	2.8	2.8	2.8	4.0	3.0	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12	FH-3289	1.8	1.8	4.8	3.0	2.8	3.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
13	AH-31045	1.5	1.5	3.8	3.5	2.5	3.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14	MCH-26	1.3	1.3	2.0	2.0	3.0	3.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15	MCH-27	2.0	2.0	4.0	1.5	2.5	3.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16	X-2484	1.3	1.3	2.8	1.5	2.8	3.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17	PMZ-146	1.8	1.8	2.3	2.0	2.3	3.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AET 2nd YEAR																
18	JH-31036	2.5	2.5	4.8	4.0	2.5	4.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
19	KAVERI-2020	1.8	1.8	3.5	2.0	2.3	3.5	89.0	22.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20	JKMH-1710	1.3	1.3	4.0	2.0	2.5	4.0	9.1	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
21	FH-3259	1.3	1.3	4.5	2.0	3.3	4.5	98.5	37.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
22	FH-3246	1.5	1.5	4.5	1.5	3.0	3.5	95.3	41.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23	HKH-1176	1.5	1.5	4.3	2.0	3.3	3.5	100.0	95.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CHECKS																
24	KIRAN	2.0	2.0	5.0	4.0	2.3	3.5	100.0	86.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	PARKASH	2.5	2.5	4.8	4.0	2.5	3.5	100.0	80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
26	X-3342	1.5	1.5	4.3	3.0	3.0	3.5	100.0	54.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
27	CM 500	1.5	1.5	4.5	3.0	3.0	3.0	98.5	70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28	Local	2.8	2.8	4.5	4.5	2.8	4.0	12.5	55.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Checks used by station

Ganga-11
CM-202

CM 206
NAC-6004R
CM-500 (S)

CM-202
Ganga-11 Ganga-2

FR-632

Checks used by station

SL. NO	Pedigree	BSDM (1-5)	PANT	FFSR (1-9)	HYD	UDP	DHAU (%)	PANT	P. Rust (1-5)	No. of cyst per plant	
1	JH-31013	3.0	1.3	6.3	5.0	4.7	22.0	11.9	2.0	7-12	
2	JH-3982	2.0	1.5	6.5	5.3	2.8	43.9	15.0	2.5	11-17	
3	JC-3272	2.0	3.5	2.8	5.3	6.3	36.7	33.3	2.5	9-14	
4	L-201	2.0	3.0	6.1	5.7	4.5	33.3	54.5	3.3	12-20	
5	EH-1389	1.0	2.8	7.4	5.4	4.1	47.9	25.0	4.3	8-13	
6	EH-1485	1.5	2.0	6.8	5.7	3.7	48.7	50.0	3.3	6-10	
7	EH-1297	1.0	3.0	7.2	5.6	5.1	70.4	29.7	3.0	10-16	
8	EH-1265	2.0	1.5	5.0	5.9	6.0	27.1	NIL	3.3	6-11	
9	BVM-4-1	2.5	1.8	3.4	5.6	6.4	46.6	40.0	2.5	9-15	
10	BVM-8	1.0	3.0	6.0	5.9	7.1	45.8	50.0	3.3	12-19	
11	FH-3273	1.0	2.3	6.1	5.0	6.5	38.7	50.0	3.0	14-22	
12	FH-3289	1.0	1.5	5.9	5.6	5.2	38.8	23.8	2.8	9-14	
13	AH-31045	2.0	2.5	7.0	5.3	5.5	50.0	0.0	3.8	14-20	
14	MCH-26	1.0	2.3	6.0	5.2	7.8	47.2	21.0	3.5	10-15	
15	MCH-27	2.0	1.5	7.0	4.8	6.5	27.6	NIL	2.3	11-18	
16	X-2484	3.0	1.0	7.7	5.8	3.8	39.1	36.3	3.8	20-27	
17	PMZ-146	2.0	1.0	6.0	5.4	4.0	29.6	33.3	4.3	16-21	
AET 2nd YEAR											
18	JH-31036	2.0	1.0	5.8	5.2	4.2	28.5	0.0	2.3	16-23	
19	KAVERI-2020	1.0	1.5	5.6	5.4	7.3	60.0	0.0	3.8	18-26	
20	JKMH-1710	1.5	1.3	5.1	5.7	3.9	40.0	38.8	2.5	17-22	
21	FH-3259	1.0	1.3	3.8	5.7	6.4	43.7	31.5	3.8	12-18	
22	FH-3246	1.0	2.0	6.5	5.8	6.9	66.6	NIL	1.0	9-13	
23	HKH-1176	2.5	1.5	4.8	5.3	6.2	20.0	50.0	2.8	5-10	
CHECKS											
24	KIRAN	3.0	2.5	4.6	5.2	6.4	51.9	42.8	2.3	11-17	
25	PARKASH	2.0	2.5	4.3	5.4	6.4	52.0	33.3	2.0	5-8	
26	X-3342	3.0	1.5	6.3	5.0	6.3	15.3	57.1	3.3	6-11	
27	CM 500	3.0	1.3	3.0	5.1	4.9	66.6	44.4	2.5	10-19	
28	Local	3.5	2.5	5.6	6.7	5.8	59.6	11.1	3.0	24-33	

Table 7

Table 8 Evaluation of maize genotypes (extra-early maturity) against various maize diseases during kharif 2005 Trial No.78

SL. NO	Pedigree	MLB	(1-5)	DHU	JASH	DHO	DEL	LUD	KAR	BAJ
1	AET 1st YEAR	JH-31053	1.5	2.0	2.0	3.7	1.5	2.2	2.0	2.0
2		DEH-105	1.5	2.0	3.5	4.2	1.5	2.5	1.5	2.0
3		DEH-107	1.3	2.0	3.5	3.5	2.0	2.7	1.8	2.0
4		DEH-111	1.5	3.0	3.3	3.6	1.5	2.2	1.8	1.0
5		FH-3245	1.3	3.0	2.5	4.3	1.5	2.2	-	-
6		FH-3248	1.3	3.0	2.3	3.8	2.0	3.3	1.8	1.0
7		FH-3277	1.0	2.0	2.0	3.4	1.5	3.3	1.5	2.0
8		FH-3288	1.5	3.0	3.5	3.8	2.0	2.0	1.5	0.5
9		VL-103	1.8	4.0	3.8	3.7	2.0	3.3	2.0	1.0
10		VL-105	1.8	3.0	3.8	4.0	2.0	2.7	1.3	1.0
11		VL-108	2.5	3.0	3.5	3.2	2.0	2.7	1.5	3.0
12		VL-109	1.8	3.0	3.0	3.6	2.0	3.8	1.3	2.0
13		VL-110	1.8	3.0	3.3	3.5	2.0	2.5	2.0	2.0
14		CHH-215	2.5	2.0	2.5	3.4	2.5	3.8	1.5	2.0
15		AH-23029	1.3	2.0	2.8	3.2	1.5	2.5	1.5	3.0
16		AH-23021	1.3	2.0	3.5	3.6	3.0	2.5	2.3	2.0
17		AH-23025	1.3	2.0	2.8	4.2	1.5	2.5	2.0	2.0
18	DEH-10103	1.8	3.0	3.8	3.4	2.0	2.0	2.5	2.0	3.0
19	DEH-10303	1.8	3.0	3.8	4.3	2.0	2.0	2.0	1.8	3.0
20	DEH-10503	1.5	3.0	3.8	3.5	2.5	3.3	3.3	1.3	2.0
21	FH-3211	1.5	3.0	3.0	3.6	2.0	1.7	1.7	1.5	1.0
22	FQH-4567	1.5	3.0	2.0	3.7	1.5	2.0	2.0	1.5	0.5
23	AH-23039	2.5	2.0	3.0	3.8	1.5	2.2	2.2	2.0	2.0
24	AH-23025	1.3	1.0	2.8	3.4	1.5	2.0	2.0	1.8	1.0
25	VIVEK HYBRID-9	1.3	1.0	2.5	3.5	2.0	2.0	2.0	2.3	1.0
26	HIM-129	1.8	2.0	3.3	3.6	2.0	2.0	2.0	1.8	2.0
27	SURYA	1.8	3.0	3.3	4.3	2.0	2.0	2.7	1.5	3.0
28	AMAR	1.8	3.0	3.5	4.2	2.5	2.5	2.0	1.5	3.0
29	CM 500	1.5	4.0	3.8	3.7	2.0	2.0	3.5	2.5	3.0
30	Local	NS	4.0	3.3	3.6	2.5	3.0	3.0	1.5	3.0

Checks used by station

VL-16

CML-186

FR 632

Table 8

SL. NO	Pedigree	TLB	ALM (1-5)	NAG	BAJ	PANT (1-5)	DEL	SDM (%)	RDM	DM (%)
1	JH-31053	3.3	4.0	3.5	2.8	3.5	3.5	100.0	62.5	100.0
2	DEH-105	3.8	3.5	3.5	3.3	4.0	4.0	98.7	56.0	100.0
3	DEH-107	2.0	4.8	3.0	2.5	4.5	4.5	96.5	72.7	100.0
4	DEH-111	2.5	4.8	2.5	2.5	2.0	2.0	100.0	64.0	88.8
5	FH-3245	1.8	3.8	2.5	2.5	4.5	4.5	97.2	21.7	100.0
6	FH-3248	1.3	4.5	1.5	2.3	4.0	4.0	98.7	22.7	100.0
7	FH-3277	1.0	2.3	2.0	2.5	3.5	3.5	100.0	0.0	100.0
8	FH-3288	2.8	3.8	3.0	2.8	3.5	3.5	100.0	100.0	100.0
9	VL-103	3.0	4.0	3.5	2.5	4.0	4.0	100.0	56.0	100.0
10	VL-105	3.5	4.5	3.0	3.0	3.5	3.5	96.5	66.6	100.0
11	VL-108	3.0	5.0	2.0	2.5	4.0	4.0	100.0	86.9	80.0
12	VL-109	3.5	5.0	3.0	3.0	3.5	3.5	100.0	58.3	84.6
13	VL-110	3.0	4.5	3.5	3.0	4.0	4.0	100.0	69.6	33.3
14	CHH-215	4.0	4.5	3.5	2.3	3.5	3.5	100.0	50.0	100.0
15	AH-23029	2.0	4.5	2.0	2.5	3.5	3.5	100.0	83.3	100.0
16	AH-23021	1.8	4.8	2.0	2.8	4.5	4.5	100.0	63.3	100.0
17	AH-23025	1.8	4.0	2.0	2.5	3.5	3.5	100.0	95.6	100.0
AET 2nd YEAR										
18	DEH-10103	3.0	4.3	2.0	2.5	4.5	4.5	100.0	66.7	100.0
19	DEH-10303	3.0	4.5	3.5	2.3	4.0	4.0	96.9	58.3	100.0
20	DEH-10503	1.8	4.3	2.0	2.0	3.5	3.5	96.9	755.0	100.0
21	FH-3211	3.0	4.3	2.5	2.5	4.0	4.0	100.0	96.0	100.0
22	F OH-4567	2.5	3.5	1.5	2.3	4.0	4.0	100.0	54.2	100.0
23	AH-23039	2.5	3.5	2.5	2.0	3.5	3.5	100.0	80.0	100.0
24	AH-23025	2.8	4.3	2.0	3.0	3.5	3.5	100.0	86.9	100.0
CHECKS										
25	VIVEK HYBRID-9	1.8	3.3	2.0	3.3	4.0	4.0	100.0	76.2	100.0
26	HIM-129	3.8	3.0	2.5	3.0	3.5	3.5	100.0	24.0	100.0
27	SURYA	4.0	4.8	3.5	2.8	4.0	4.0	100.0	85.7	100.0
28	AMAR	4.0	4.5	3.0	3.3	3.5	3.5	100.0	52.4	100.0
29	CM 500	2.8	4.5	4.0	2.8	4.5	4.5	100.0	70.8	100.0
30	Local	NS	4.3	4.0	3.0	3.5	3.5	NS	NS	80.0
		2.8	4.8					12.5	41.7	100.0

Checks used by station

Ganga-11

NAC-6004/R
CM-500 (S)

Table 8

SL. NO	Pedigree	AET 1st YEAR	AET 2nd YEAR	DEH-10103	DEH-10303	DEH-10503	FH-3211	FQH-4567	AH-23039	AH-23025	CHECKS	VIVEK HYBRID-9	HIM-129	SURYA	AMAR	CM 500	Local
1		JH-31053	1.0	1.8	5.5	5.0	5.4	5.0	4.7	4.6	5.4	6.1	36.5	65.5	4.0	16-22	14-18
2		DEH-105	1.0	1.8	6.4	5.6	3.9	5.6	4.7	5.3	6.0	54.5	66.8	67.3	3.0	8-12	11-17
3		DEH-107	1.0	2.0	4.7	5.5	6.0	6.6	4.7	4.4	6.0	54.5	66.8	67.3	3.0	8-12	11-17
4		DEH-111	1.0	1.5	3.9	4.4	5.3	4.7	6.6	6.2	4.7	44.0	25.0	39.7	2.0	8-13	10-16
5		FH-3245	1.0	2.3	6.4	5.1	6.6	6.2	5.2	4.7	4.7	44.0	25.0	39.7	2.0	8-13	10-16
6		FH-3248	1.0	2.0	6.2	5.2	4.7	5.2	4.7	4.7	4.7	44.0	25.0	39.7	2.0	8-13	10-16
7		FH-3277	2.0	2.0	4.7	4.6	5.6	4.6	4.7	4.7	4.6	16.6	43.9	1.0	6-9	10-15	
8		FH-3288	1.0	3.3	3.8	5.3	75.7	82.5	6.5	5.3	75.7	82.5	1.8	10-15	10-15	10-15	10-15
9		VL-103	1.0	1.3	2.6	4.2	60.4	71.6	6.5	5.1	60.4	71.6	3.5	12-19	11-17	11-17	11-17
10		VL-105	3.0	2.3	5.4	5.2	57.7	60.4	5.1	5.1	57.7	60.4	3.3	11-17	11-17	11-17	11-17
11		VL-108	1.0	1.5	6.5	3.8	5.4	43.5	2.8	2.8	43.5	14-21	2.8	14-21	11-17	11-17	11-17
12		VL-109	1.0	2.0	4.3	5.2	47.1	46.1	6.6	6.6	47.1	46.1	2.8	13-18	13-18	13-18	13-18
13		VL-110	1.0	1.8	4.6	5.0	6.1	60.0	6.1	6.1	60.0	65.0	3.8	8-11	8-11	8-11	8-11
14		CHH-215	2.0	2.0	4.8	5.6	25.0	41.0	5.5	5.5	25.0	41.0	3.0	13-21	13-21	13-21	13-21
15		AH-23029	2.0	1.3	5.5	4.3	10.3	49.4	5.5	5.5	10.3	49.4	2.0	6-12	6-12	6-12	6-12
16		AH-23021	3.0	1.5	5.5	5.0	7.5	92.5	7.5	7.5	92.5	33.5	2.8	12-17	12-17	12-17	12-17
17		AH-23025	3.5	2.3	4.4	4.6	7.0	31.5	4.6	4.6	31.5	40.8	3.3	11-18	11-18	11-18	11-18
18		DEH-10103	3.0	1.5	4.7	6.4	60.0	68.3	6.5	6.5	60.0	68.3	3.8	20-24	20-24	20-24	20-24
19		DEH-10303	2.0	1.8	5.4	4.7	46.9	36.3	4.7	4.7	46.9	36.3	3.5	14-19	14-19	14-19	14-19
20		DEH-10503	1.0	1.3	4.0	5.8	50.0	35.8	6.2	6.2	50.0	35.8	3.0	10-16	10-16	10-16	10-16
21		FH-3211	2.0	4.5	3.0	5.7	45.0	43.1	6.3	6.3	45.0	43.1	3.0	10-14	10-14	10-14	10-14
22		FQH-4567	2.0	3.7	6.4	5.8	47.8	46.4	5.6	5.6	47.8	46.4	4.0	13-20	13-20	13-20	13-20
23		AH-23039	1.5	1.8	3.8	4.7	7.2	22.6	6.0	6.0	7.2	22.6	3.0	11-15	11-15	11-15	11-15
24		AH-23025	2.0	1.0	4.1	6.3	40.0	49.4	5.4	5.4	40.0	49.4	3.0	4-7	4-7	4-7	4-7
25		VIVEK HYBRID-9	2.0	3.0	5.6	4.0	36.5	65.5	6.1	6.1	36.5	65.5	4.0	16-22	16-22	16-22	16-22
26		HIM-129	1.0	1.8	5.0	5.6	47.2	36.4	6.6	6.6	47.2	36.4	4.5	14-18	14-18	14-18	14-18
27		SURYA	1.0	2.5	5.5	7.0	62.7	81.2	7.0	7.0	62.7	81.2	2.0	21-24	21-24	21-24	21-24
28		AMAR	1.0	1.8	4.4	4.2	48.0	50.8	5.2	5.2	48.0	50.8	4.0	12-15	12-15	12-15	12-15
29		CM 500	1.0	1.3	4.8	6.6	20.0	23.6	7.8	7.8	20.0	23.6	2.3	8-12	8-12	8-12	8-12
30		Local	3.0	1.3	3.6	6.5	NS	78.5	NS	NS	78.5	63.4	3.0	29-36	29-36	29-36	29-36

Checks used by station

Ganga-11 Ganga-2 CM-202

No. of P. Rust cyst per plant

ESR (%) DHAU PANT NAG (1-5) UDP

BSDM (1-5) PANT LUD (1-9) HYD UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

ESR (%) DHAU PANT NAG (1-5) UDP

Table 9 Trap Nursery during maize kharif 2005

S.No. Pedigree	SL. NO Pedigree	Checks used by station										DM (%)
		MLB	(1-5)	ALM	BAJ	JASH	DHO	DEL	PANT	DHAU	LUD	
1	CM 122	1.3	3.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0	3.0	77.3
2	CM 135	1.0	1.0	1.0	1.0	2.9	1.0	1.0	3.5	3.0	90.7	
3	CM 137	1.0	2.0	1.5	2.0	1.5	2.2	3.0	85.7	-	100.0	
4	CM 138	1.3	0.5	1.3	0.5	2.6	2.0	3.5	92.3	3.3	100.0	
5	CM 142	1.5	3.0	1.5	3.0	3.2	1.5	NIL	2.0	2.0	100.0	
6	CM 207	1.3	2.0	1.3	2.0	3.0	2.0	NIL	3.0	2.5	100.0	
7	CM 213	1.0	2.0	1.0	2.0	2.8	2.0	NIL	4.0	3.0	100.0	
8	CM 500	1.3	1.0	1.3	1.0	1.8	1.5	NIL	4.0	4.0	100.0	
9	CM 501	1.3	2.0	1.3	2.0	1.5	1.0	3.5	3.5	2.0	100.0	
10	CM 600	1.0	0.5	1.0	0.5	3.5	1.5	2.0	3.0	3.0	92.8	
11	CM 601	1.0	2.0	1.0	2.0	4.2	1.5	NIL	2.5	2.5	97.6	
1	CM 122	2.0	1.5	2.0	1.5	2.3	3.5	78.9	20.0	20.0	77.3	
2	CM 135	1.8	2.0	1.8	2.0	2.8	3.0	76.9	-	-	90.7	
3	CM 137	1.8	2.0	1.8	2.0	2.2	3.0	85.7	-	-	100.0	
4	CM 138	3.0	2.5	3.0	2.5	3.4	3.5	92.3	3.3	3.3	100.0	
5	CM 142	1.8	3.5	1.8	3.5	1.5	2.5	30.0	-	-	100.0	
6	CM 207	2.3	1.0	2.3	1.0	3.0	3.5	100.0	3.3	20.0	100.0	
7	CM 213	2.0	0.5	2.0	0.5	4.0	4.0	53.8	20.0	25.0	100.0	
8	CM 500	1.8	2.0	1.8	2.0	2.0	3.5	25.0	25	25.0	100.0	
9	CM 501	1.5	3.5	1.5	3.5	1.5	2.5	37.0	-	-	100.0	
10	CM 600	3.5	2.5	3.5	2.5	5.0	4.5	37.5	7.1	7.1	92.8	
11	CM 601	4.0	4.0	4.0	4.0	5.0	3.5	50.0	-	-	97.6	

Table 9

Checks used by station												
CM-202R												
CM4 (S)												
S.No.	Pedigree	BSDM	DHAU (1-5)	PANT	NAG (1-5)	ARBH (1-5)	JASH rot%	Seed ESR	DHAU %	PANT	Brown spot (1-5)	Local IV
S.No.	Pedigree	BLSB (1-5)	DHAU	DHO	PANT	JASH	PFSSR %	HYD	UDP	LUD	3.0	2.7
1	CM 122	0.5	2.0	2.0	8.0	2.5	4.0	85.7	5.9	53.3	3.0	53.3
2	CM 135	2.0	2.0	4.0	8.0	4.0	4.0	90.9	6.6	57.1	2.7	57.1
3	CM 137	-	2.0	12.0	3.5	3.0	62.5	5.6	61.9	2.7	2.7	61.9
4	CM 138	-	3.0	4.0	3.5	3.5	24.1	3.5	50.0	1.6	1.6	50.0
5	CM 142	1.0	3.0	8.0	8.0	8.0	50.0	5.3	56.3	2.2	2.2	56.3
6	CM 207	1.0	1.0	12.0	3.5	3.5	38.5	4.4	77.8	2.0	2.0	77.8
7	CM 213	-	2.0	8.0	8.0	8.0	50.0	5.4	45.0	4.5	4.5	45.0
8	CM 500	-	2.0	4.0	4.0	3.0	68.4	6.1	66.7	2.4	2.4	66.7
9	CM 501	-	3.0	4.0	2.0	3.5	50.0	3.6	45.5	2.6	2.6	45.5
10	CM 600	-	2.0	12.0	3.0	3.5	66.7	6.0	92.8	2.8	2.8	92.8
11	CM 601	Local	3.0	8.0	NIL	-	44.4	6.7	83.3	1.7	1.7	83.3
1	CM 122	4.0	3.0	4.0	2.8	2.8	11.1	50.0	2.0	2.0	2.0	50.0
2	CM 135	3.0	1.5	3.0	2.5	13.3	7.2	50.0	2.0	2.0	2.0	50.0
3	CM 137	3.0	1.5	3.0	2.0	21.4	8.9	66.6	3.0	3.0	2.0	66.6
4	CM 138	3.0	3.0	3.0	3.5	12.8	13.5	13.5	4.0	4.0	2.0	13.5
5	CM 142	2.0	2.0	4.5	1.6	-	18.2	18.2	3.0	3.0	2.0	18.2
6	CM 207	3.0	3.0	4.0	2.0	17.5	7.8	7.8	3.0	3.0	-	7.8
7	CM 213	4.0	4.0	3.5	2.5	-	14.4	14.4	2.0	2.0	-	14.4
8	CM 500	3.5	3.0	1.5	18.7	18.7	6.3	6.3	1.0	1.0	-	6.3
9	CM 501	3.0	2.0	2.5	10.0	10.0	0.0	0.0	2.0	2.0	1.0	0.0
10	CM 600	3.0	4.0	3.2	13.3	13.3	8.2	8.2	4.0	4.0	-	8.2
11	CM 601	2.5	2.5	4.0	-	-	12.6	12.6	3.0	3.0	-	12.6
	Local											

Table 9

SL. NO	Pedigree	Curv.	Leaf Pythium	spot stalk	DHAU (1-5) rot	Bacterial stalk rot %	No. of cyst per plant	UDP
1	CM 122	1.0	4.0	1.0	4.0	8.0	8-13	13-17
2	CM 135	3.0	-	3.0	-	4.0	11-15	10-14
3	CM 137	1.0	-	1.0	-	-	7-11	8-11
4	CM 138	2.0	4.0	2.0	4.0	4.0	12-17	14-18
5	CM 142	2.0	4.0	2.0	4.0	4.0	9-13	9-14
6	CM 207	2.0	4.0	2.0	4.0	4.0	10-16	10-14
7	CM 213	1.0	4.0	1.0	4.0	-	9-14	8-11
8	CM 500	2.0	-	2.0	-	-	14-18	8-11
9	CM 501	2.0	-	2.0	-	-	8-11	13-17
10	CM 600	2.0	8.0	2.0	8.0	-	10-14	10-14
11	CM 601	1.0	4.0	1.0	4.0	4.0	13-17	13-17

Table 10: Evaluation of diseases in QPM 1 during maize 2005 kharif

S.No.	Pedigree	MLB (1-5)	DHU	DHO	ALM	BAJ	LUD	Checks used by station					
								FR-632	FR-632	FR-632	FR-632		
1	JH (QPM)-159	1.0	2.0	3.8	1.3	-	2.5	1.0	2.0	2.0	2.5	2.5	2.5
2	JH (QPM)-160	1.5	2.0	3.2	1.8	-	3.0	1.0	2.0	2.0	3.0	3.0	3.0
3	BVM-7	1.5	2.0	3.4	1.8	2.0	2.5	1.0	2.0	2.0	2.5	2.5	2.5
4	MH QPM 05-1	1.5	1.0	4.3	1.3	1.0	2.2	1.0	1.0	1.0	2.2	2.2	2.2
5	MH QPM 05-2	1.5	1.0	3.2	1.3	0.5	2.7	0.5	0.5	0.5	2.7	2.7	2.7
6	MH QPM 05-3	2.0	3.0	3.7	1.3	1.0	3.0	1.0	1.0	1.0	3.0	3.0	3.0
7	H QPM-5	1.5	2.0	2.6	1.3	1.0	2.5	1.0	1.0	1.0	2.5	2.5	2.5
8	H QPM-6	1.5	2.0	1.5	1.3	0.5	2.5	0.5	0.5	0.5	2.5	2.5	2.5
9	H QPM-7	1.5	1.0	3.0	1.3	2.0	2.5	2.0	2.0	2.0	2.5	2.5	2.5
10	SHAKTIMAN-1	1.5	3.0	3.7	1.3	1.3	2.7	1.3	1.3	1.3	2.7	2.7	2.7
11	SHAKTIMAN-4	1.5	4.0	2.4	1.0	1.0	2.5	1.0	1.0	1.0	2.5	2.5	2.5
12	SHAKTI-1	2.0	2.0	4.2	1.0	1.0	3.0	1.0	1.0	1.0	3.0	3.0	3.0
13	HQPM-1	1.5	1.0	2.0	1.3	1.3	2.5	1.3	1.3	1.3	2.5	2.5	2.5
1	JH (QPM)-159	1.8	3.5	0.5	4.0	3.0	4.0	3.0	3.0	3.0	4.0	4.0	1.8
2	JH (QPM)-160	2.3	3.8	0.5	4.2	5.0	4.0	3.5	3.5	3.5	4.0	4.0	3.0
3	BVM-7	2.0	4.3	1.0	5.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
4	MH QPM 05-1	1.5	3.5	2.0	4.0	3.5	2.0	3.5	3.5	3.5	3.5	3.5	2.0
5	MH QPM 05-2	1.5	2.3	-	2.0	3.0	2.0	-	-	-	3.0	3.0	2.0
6	MH QPM 05-3	1.3	3.5	1.5	4.0	3.5	3.0	3.5	3.5	3.5	3.5	3.5	2.5
7	H QPM-5	1.5	2.8	0.5	2.6	3.0	2.8	-	-	-	3.0	3.0	2.8
8	H QPM-6	1.3	2.8	-	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0
9	H QPM-7	1.8	3.0	-	3.0	3.0	2.8	3.0	3.0	3.0	3.0	3.0	2.8
10	SHAKTIMAN-1	1.5	3.5	2.0	5.0	4.5	3.3	4.5	4.5	4.5	4.5	4.5	3.3
11	SHAKTIMAN-4	1.3	2.3	0.5	2.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	2.5
12	SHAKTI-1	2.0	4.3	-	5.0	4.5	3.8	5.0	5.0	5.0	4.5	4.5	3.8
13	HQPM-1	1.5	3.0	4.0	3.0	4.0	2.3	3.0	3.0	3.0	4.0	4.0	2.3
	Local												
	Checks used by station												
	CM-202												
	CM-202(R)												
	CM (S)												

Table 10

S.No.	Pedigree	BSDM (1-5)	DHAU (1-5)	PANT	MAND (%)	SDM (%)	DM (%)	RDM (%)	P.rust (1-5)	C.rust (1-5)	
1	JH (QPM)-159	1.0	1.3	100.0	100.0	100.0	100.0	95.2	1.0	2.5	
2	JH (QPM)-160	2.0	1.3	100.0	100.0	100.0	100.0	87.0	1.5	1.5	
3	BVM-7	2.5	2.8	100.0	100.0	100.0	100.0	84.2	3.3	2.6	
4	MH QPM 05-1	2.0	1.5	100.0	100.0	100.0	100.0	100.0	1.0	2.0	
5	MH QPM 05-2	2.0	1.3	100.0	100.0	100.0	100.0	87.0	2.0	1.5	
6	MH QPM 05-3	1.0	2.0	100.0	100.0	100.0	100.0	100.0	1.5	2.0	
7	H QPM-5	2.0	3.0	100.0	100.0	100.0	100.0	94.4	2.5	1.0	
8	H QPM-6	2.5	2.5	100.0	100.0	100.0	100.0	95.2	3.0	2.0	
9	H QPM-7	1.0	2.5	100.0	100.0	100.0	100.0	100.0	2.0	1.0	
10	SHAKTIMAN-1	3.0	3.0	100.0	100.0	100.0	100.0	85.0	2.0	2.0	
11	SHAKTIMAN-4	3.0	3.5	100.0	100.0	100.0	100.0	100.0	2.3	1.0	
12	SHAKTI-1	2.0	3.0	100.0	57.1	100.0	100.0	87.5	3.3	1.5	
13	HQPM-1	2.0	2.8	100.0	11.0	100.0	100.0	20.0	2.5	3.6	
	Local				100.0					2.0	
Checks used by station											
					CM-500						
					NAC-6004						
					CM-202						
					CM-202(R)						
					CM-4 (S)						

S.No. Pedigree PFSR (1-9) HYD UDP LUD DHAU (%) ESR PANT

1	JH (QPM)-159	5.7	6.2	6.8	13.1	40.5
2	JH (QPM)-160	6.1	7.2	5.1	6.9	32.4
3	BVM-7	4.4	6.8	4.8	15.2	50.2
4	MH QPM 05-1	3.6	6.8	5.6	32.0	43.6
5	MH QPM 05-2	4.2	3.7	5.4	13.6	10.0
6	MH QPM 05-3	6.7	7.2	5.5	26.8	50.0
7	H QPM-5	5.5	3.0	4.4	2.0	11.9
8	H QPM-6	4.9	3.7	5.2	2.6	11.1
9	H QPM-7	5.2	2.8	4.8	12.8	18.6
CHECKS						
10	SHAKTIMAN-1	5.0	5.1	6.1	20.0	40.5
11	SHAKTIMAN-4	6.0	5.0	5.0	20.0	43.9
12	SHAKTI-1	5.1	4.9	5.0	7.6	67.3
13	HQPM-1	5.5	6.2	5.1	4.0	14.5
	Local					

Table 11: Evaluation of diseases in QPM-2 during maize 2005 kharif

S.No.	Pedigree	MLB	(1-5)	DHU	BAJ	DHO	ALM	LUD	Checks used by station						
									Local	HQPM-1	SHAKTI-1	SHAKTIMAN-4	SHAKTIMAN-1		
1	JH (QPM)-41	1.5	1.0	1.0	1.0	4.0	1.0	2.5	1.8	2.0	2.5	2.3	3.5	3.5	2.0
2	DQPM C 4 (W)	2.0	1.0	1.0	1.0	2.2	1.0	3.0	1.8	2.0	2.8	2.0	3.5	3.5	2.0
3	BQPMH-43	1.5	2.0	2.0	2.0	2.4	1.8	3.5	2.5	3.0	2.0	2.0	3.0	3.0	2.0
4	HQPM-4	1.5	1.0	1.0	1.0	2.0	1.5	2.7	1.5	3.0	2.3	3.0	3.0	3.0	2.3
5	HQPM-5	1.5	2.0	2.0	2.0	3.0	1.3	2.2	1.5	3.0	2.5	3.0	3.0	3.0	2.5
6	DMRQPMH 17 x 58	1.5	1.0	1.0	1.0	3.2	1.8	3.2	1.5	4.0	2.5	4.0	4.0	4.0	3.0
7	DMRQPMH 03-101 x	2.0	2.0	2.0	2.0	4.2	1.5	2.5	1.5	4.0	2.5	4.0	4.0	4.0	2.5
8	DMRQPMH 75 x DM	2.0	3.0	2.0	2.0	4.0	1.8	2.2	1.5	2.0	2.5	4.0	4.0	4.0	2.5
9	SHAKTIMAN-1	2.0	2.0	2.0	2.0	3.0	1.3	2.3	1.8	3.0	2.3	3.0	3.0	3.0	2.0
10	SHAKTIMAN-4	1.5	3.0	0.5	1.8	1.8	1.0	2.2	1.5	1.0	2.2	1.0	1.0	1.0	2.3
11	SHAKTI-1	2.0	1.0	1.0	1.0	2.9	1.0	4.0	2.0	1.0	4.0	1.0	2.5	2.5	3.0
12	HQPM-1	1.5	1.0	2.0	2.0	2.4	1.3	3.3	1.5	2.0	3.3	3.0	3.5	3.5	2.5
	Local							3.0							

Checks used by station

CM-202R
CM-4 (S)

TLB
ALM
BAJ
ARBH
NAG
DEL
(1-5)
BLSB
PANT

FR-632

Table 11

S.No.	Pedigree	BSDM	SDM (%)	DM (%)	RDM (%)	ESR (%)	PANT	DHAU (%)	ARAAB (%)
1	JH (QPM)-41	2.0	100.0	100.0	83.3	7.5	25.2	3.5	3.5
2	DQPM C 4 (W)	2.0	100.0	100.0	83.3	14.8	27.1	2.0	2.0
3	BQPMH-43	2.0	100.0	100.0	100.0	4.7	29.5	4.0	4.0
4	HQPM-4	2.5	100.0	100.0	91.3	8.3	55.8	1.0	1.0
5	HQPM-5	3.0	100.0	100.0	87.5	8.5	16.7	2.5	2.5
6	DMRQPMH 17 x 58	1.5	100.0	100.0	45.0	4.5	55.3	3.2	3.2
7	DMRQPMH 03-101 x	1.0	100.0	71.4	32.0	33.6	69.8	4.5	4.5
8	DMRQPMH 75 x DM	1.0	100.0	80.0	39.1	36.0	38.9	3.5	3.5
CHECKS									
9	SHAKTIMAN-1	2.5	100.0	100.0	77.8	5.7	37.5	2.5	2.5
10	SHAKTIMAN-4	3.0	100.0	100.0	90.0	9.5	31.8	2.0	2.0
11	SHAKTI-1	3.0	100.0	100.0	87.0	8.3	59.5	4.5	4.5
12	HQPM-1	3.0	100.0	100.0	75.0	2.1	25.4	1.5	1.5
Local									
Checks used by station									
MAC-5004R (S)									
CM-500 (S)									
CM-202R (S)									
CM-4 (S)									
S.No.	Pedigree	PFSR (1-9)	UDP	LUD	P. rust (1-5)				
1	JH (QPM)-41	5.1	5.1	6.1	3.0				
2	DQPM C 4 (W)	5.0	5.5	5.7	3.3				
3	BQPMH-43	5.0	4.9	5.0	2.8				
4	HQPM-4	4.5	4.9	4.1	2.3				
5	HQPM-5	5.0	5.5	2.8	3.5				
6	DMRQPMH 17 x 58	6.0	6.3	4.2	2.0				
7	DMRQPMH 03-101 x	6.3	4.3	5.7	3.5				
8	DMRQPMH 75 x	5.0	6.4	4.4	2.3				
CHECKS									
9	SHAKTIMAN-1	3.7	6.8	4.8	2.5				
10	SHAKTIMAN-4	4.0	5.1	5.6	1.0				
11	SHAKTI-1	3.8	6.9	4.7	3.0				
12	HQPM-1	4.2	4.6	2.6	3.3				
Local									

Table 12 Evaluation of diseases in QPM-3 during maize 2005 kharif

S.No.	Pedigree	MLB	(1-5)	DEL	DHU	DHO	JASH	ALM	LUD	BAJ
1	DMR QPM 17 x	2.0	1.0	1.0	2.0	2.4	3.0	1.3	2.2	2.0
2	DMR QPM 18	2.0	1.0	1.0	2.0	2.3	1.3	2.5	2.5	0.5
3	DMR QPM 03-102 x	2.0	2.0	2.0	4.2	2.5	1.8	3.2	3.0	3.0
4	DMR QPM 18	1.5	3.0	2.2	2.2	2.8	1.8	3.2	2.0	2.0
5	DMR QPM 03-120 x	1.5	2.0	2.6	3.8	1.3	3.7	0.5	0.5	0.5
6	DMR QPM 03-117	1.5	1.0	4.0	3.5	1.5	3.0	3.0	3.0	3.0
7	DMR QPM 03-118 x	1.5	1.0	4.0	3.5	1.5	3.0	3.0	3.0	3.0
8	DMR QPM 03-119	1.5	2.0	3.8	3.5	1.3	3.0	1.0	1.0	1.0
9	SN ff- MOD02 x Shakti 50%	1.5	2.0	3.8	3.5	1.3	3.0	1.0	1.0	1.0
10	SO/SN Comp. ABP	2.5	2.0	2.8	3.0	1.8	3.2	2.0	2.0	2.0
11	SN2 cc bulk-f 25% ff	2.0	3.0	4.3	3.8	1.8	3.2	0.5	0.5	0.5
12	SO/SN Comp. Bulk	2.5	3.0	2.4	3.3	1.5	2.2	-	-	-
13	Comp. ESN CCB 50% ff	2.0	3.0	2.3	3.3	1.5	3.0	1.0	1.0	1.0
14	Shakti-1	2.0	2.0	3.6	3.0	1.3	2.7	-	-	-
15	Navjot	2.0	3.0	2.6	3.3	1.0	3.5	-	-	-
16	Shaktiman-1	1.5	3.0	2.7	3.0	1.5	2.2	1.0	1.0	1.0
17	HQPM-1	1.5	2.0	2.0	2.0	1.5	3.2	-	-	-
18	Local	3.5	3.5	3.5	3.5	2.7	2.7	1.0	1.0	1.0

Checks used by station

Navjot

FR-632

Table 12

S.No.	Pedigree	BSDM	(1-5)	DHAU	PANT	MAND	COIM	UDP	DHAU	PANT	NAG	ARBH
				(%)	(%)	(%)	(%)	(%)	(%)	(%)		
				SDM	DM (%)	RDM	ESR				P. rust C. rust	
1	DMR QPM 17 x	2.0	2.5	100.0	14.2	18.2	10.0	49.6	3.5	3.0		
2	DMR QPM 18	2.0	1.5	100.0	44.4	40.0	15.3	49.0	3.3	2.5		
3	DMR QPM 03-106	3.0	1.5	100.0	64.0	7.5	35.3		3.8	4.5		
4	DMR QPM 18	2.0	1.8	100.0	60.0	5.6	28.9		4.3	3.0		
5	DMR QPM 03-106 x	3.0	1.5	100.0	66.7	64.0	20.2	52.2	3.5	3.5		
6	DMR QPM 03-117	3.0	1.8	100.0	72.0	4.7	78.9		3.0	4.0		
7	DMR QPM 03-118 x	2.0	2.3	100.0	80.0	19.0	42.6		3.5	4.0		
8	DMR QPM 03-119	1.0	1.5	100.0	76.0	27.9	44.8		3.3	3.5		
9	DMR QPM 03-120 x	3.0	2.3	100.0	92.0	9.0	73.6		3.3	3.0		
10	DMR QPM 03-120 x	2.0	1.8	100.0	80.0	57.5	57.3		3.0	4.5		
11	DMR QPM 03-120 x	3.0	1.5	100.0	84.0	60.8	42.7		4.0	4.0		
12	DMR QPM 03-120 x	2.5	3.0	100.0	92.0	38.0	52.7		3.5	3.0		
13	DMR QPM 03-120 x	3.5	2.0	100.0	100.0	23.6	43.6		3.0	4.0		
14	DMR QPM 03-120 x	2.0	2.3	100.0	91.0	31.8	22.0		3.0	2.0		
15	DMR QPM 03-120 x	2.5	2.3	100.0	92.0	5.6	35.0		2.8	1.5		
	Local			100.0	11.4	63.6	70.8		2.8	3.6		
	Checks used by station											
	GM-500											
	NAC-6004											
	GM-202(R)											
	GM-4(S)											

Table 12

S.No.	Pedigree	TLB	ALM (1-5)	ARBH	BAJ	NAG	DEL (1-5)	PANT	HYD (1-9)	UDF	LUD
1	DMR QPM 17 x	2.3	4.5	0.5	4.5	4.5	4.0	2.5	3.9	6.4	4.1
2	DMR QPM 17 x	2.0	3.0	2.0	4.5	4.5	4.5	2.0	3.8	5.5	4.6
3	DMR QPM 03-106	2.3	3.6	1.5	4.5	4.5	3.5	2.5	3.8	4.6	4.5
4	DMR QPM 18	2.3	2.5	0.5	4.0	4.0	4.0	2.3	3.8	4.6	3.0
5	DMR QPM 03-120 x	1.8	3.0	2.5	3.8	4.5	4.5	2.8	5.7	5.4	2.9
6	DMR QPM 03-117	2.3	2.5	1.5	3.8	4.0	4.0	2.0	4.0	4.4	4.4
7	DMR QPM 03-119	2.8	3.8	3.0	4.8	3.5	3.5	2.8	3.6	5.1	5.5
8	SN ff- SO/SN Comp. ABP	2.8	4.5	1.0	4.5	3.5	3.5	2.5	5.9	5.3	4.5
9	25% ff SO/SN Comp. ABP	2.8	4.5	-	4.5	4.0	4.0	2.8	5.0	4.8	4.4
10	SN3 cc 75% f SO/SN Comp. Bulk	2.5	3.0	1.0	3.0	4.0	4.0	2.8	3.5	3.5	4.4
11	ff Comp. ESN CCB 50%	2.5	3.0	0.5	3.5	4.5	4.5	2.5	4.0	6	4.4
12	Shakti-1	2.8	4.0	2.0	4.1	4.0	4.0	2.8	5.0	5.4	4.7
13	Nayot	2.0	3.8	1.0	4.5	4.0	4.0	2.0	5.8	4.9	5.5
14	Shaktiman-1	2.5	4.0	1.0	4.5	4.0	4.0	2.3	3.8	5.5	5.0
15	HQPM-1	2.3	2.0	3.5	2.5	3.5	2.8	2.8	5.0	5.8	4.6
	Local		5.0		4.5					4.2	3.9
			2.0								

Checks used by station

CM-202(R)
CM-202

CM-202

CM (S)

Table 13: Evaluation of CIMMYT materials against PFSR at DMR, Ludhiana, Hyderabad and Udaipur during kharif 2005

S.No.	Pedigree	DMR	LUD	HYD	UDP	MLB
1	PFSR-8-2-2	2.5	5.5	4.1	4.3	2.0
2	PFSR-8-2-4	1.5	5.1	4.0	4.4	2.5
3	PFSR-13-5-1	1.5	6.0	3.3	5.0	2.0
4	SW-93D-313-23-Pop.49-S4-1-3-1-1-1-2-1	1.7	6.0	2.9	4.4	2.0
5	SW-93D-313-23-Pop.49-S4-1-3-1-1-2-1-2-2	1.8	4.6	3.1	4.6	3.0
6	SW-93D-313-23-Pop.49-S4-1-3-1-1-2-1-2-1-2-3	1.0	4.0	2.6	4.2	3.0
7	SW-93D-313-23-Pop.49-S4-1-3-1-1-2-1-2-1-3-1	1.0	5.0	2.7	3.9	3.5
8	SW-93D-313-23-Pop.49-S4-1-3-1-1-2-1-2-1-4-1	1.4	4.8	6.5	4.5	2.5
9	CM-117-3-2-1-1	2.8	5.7	6.0	5.8	4.0
10	JCY2-2-4-1-1-1-1-1	1.8	6.1	3.5	2.8	3.0
11	JCY2-2-4-1-1-1-2-1	2.0	5.7	6.1	4.3	3.0
12	JCY2-2-4-1-1-1-3-1	2.3	5.0	4.2	3.2	2.0
13	JCY2-2-4-1-1-1-3-2	1.8	5.4	3.0	4.2	3.5
14	JCY2-2-4-1-1-1-3-3	1.8	4.8	3.7	4.1	3.5
15	JCY3-7-1-2-1-1-1	1.5	3.2	3.5	4.3	2.0
16	JCY3-7-1-2-1-1-2	2.6	3.9	3.3	4.2	2.0
17	JCY3-7-1-2-1-1-2-1	1.3	5.7	4.0	3.3	2.5
18	JCY3-7-1-2-1-1-4-1	1.5	6.3	3.7	3.0	2.5
19	JCY3-7-1-2-1-1-5-1	3.0	5.3	2.6	4.5	3.0
20	JCY3-7-1-2-1-1-6-1	2.3	6.0	3.7	4.6	3.5
21	JCY3-7-1-2-2-1-3	2.8	4.9	5.0	4.7	3.5
22	JCY2-1-1-1-1-1	2.5	5.7	7.3	4.0	3.0
23	JCY2-1-1-1-1-2	4.0	6.0	5.5	2.8	2.0
24	JCY2-1-1-1-1-2-1	3.0	5.7	5.5	5.1	3.5
25	KT x 3752 F2-7-1-1-1-1-1-1-1-2-1	1.0	2.7	3.0	3.4	3.5
26	KT x 3752 F2-7-1-1-1-1-1-1-1-2-2-1	2.0	4.7	5.3	4.0	3.5
27	CM-117-4-1-1-1	1.0	5.8	5.0	4.5	2.5
28	CM-117-2-1	1.0	4.1	4.0	4.4	3.5
29	CM-117-3-1	5.5	5.4	3.8	5.6	3.0
30	CM-117-3-1	1.3	5.0	6.0	4.0	4.0
31	42048-2-1	1.0	4.8	5.3	4.3	3.0
32	42048-2-2	5.0	4.2	2.6	4.6	3.0
33	42049-3-1	1.5	4.7	5.0	3.9	3.0
34	42049-3-2	3.5	5.7	3.3	4.8	3.5
35	42050-1	5.5	5.2	2.5	4.6	2.0
36	42050-2	4.0	5.0	2.4	4.6	2.0
37	42052-3-1	1.5	5.0	3.4	4.2	2.5

S.No. Pedigree DMR PFSR (1-9) LUD HYD UDP LUD MLB LUD

38	42052-3-2	6.5	4.2	6.2	4.5	3.0
39	42053-4-1	7.2	4.8	5.3	5.6	3.0
40	42054-1	3.5	4.2	2.7	2.9	3.5
41	42054-2	2.5	3.7	2.8	2.4	2.5
42	42055-2-1	2.5	3.3	5.0	3.1	3.5
43	42056-3-1	2.5	3.1	3.0	5.9	3.5
44	42056-3-2	2.5	3.3	2.6	5.7	3.5
45	42057-4-1	3.4	2.8	2.5	4.1	2.0
46	42057-4-2	2.2	3.1	4.0	5.6	2.0
47	42058-5-1	2.0	3.5	3.0	4.9	3.0
48	42058-5-2	5.2	3.5	4.0	3.9	3.5
49	42059-6-1	2.5	3.0	4.3	3.9	2.5
50	42061-1-2	4.2	-	3.0	5.2	3.5
51	CM-123-1-1-1	3.4	3.0	5.0	5.5	3.5
52	CM-123-1-1-2	5.6	4.2	2.5	5.0	2.5
53	CM-123-1-1-3	2.5	4.0	3.8	5.1	2.5
54	CM-123-1-2-1	2.5	-	3.7	3.9	2.5
55	PFSR-8-1-1	5.6	3.7	4.2	4.6	3.0
56	PFSR-8-1-2	3.5	3.2	6.0	5.0	2.5
57	PFSR-8-1-3	6.3	4.0	6.0	3.5	3.0

Local
6.4

Table 13A: Evaluation of pools against PFSR at DMR during kharif 2005

S.No.	Pedigree	PFSR
1	PFSR (Y)-C1	3.5
2	PFSR (Y)-C0	5.6
3	PFSR (White)	4.3
4	Extra-early (White)	3.4
5	Indimyt-100	6.8
6	Indimyt-300	7.0

(1-9)
PFSR

Table 14 Evaluation of maize inbred lines against Turicum leaf blight at Arbhavi during kharif 2005

S.No.	Pedigree	TLB	S.No.	Pedigree	TLB
1	KDM-4	4.0	44.0	CML 171	4.0
2	KDM-10	5.0	45.0	CML 142	3.0
3	KDM-14	5.0	46.0	CML 150	5.0
4	KDM-16	3.0	47.0	CML 175	3.0
5	KDM-15	3.0	48.0	CML 186	5.0
6	KDM-6	3.0	49.0	CML 149	5.0
7	KDM-11	4.0	50.0	CML 140	5.0
8	KDM-12	2.0	51.0	CML 170	4.0
9	KDM-17	3.0	52.0	DMR QPM-58	3.0
10	KDM-18	3.0	53.0	DMR QPM-75	5.0
11	KDM-19	3.0	54.0	DMR QPM-17	4.0
12	KDM-20	4.0	55.0	DMR QPM-18	5.0
13	KDM-9	3.0	56.0	DMR QPM-28-5	5.0
14	KDM-13	4.0	57.0	DMR-QPM-03-101	5.0
15	C-4	2.0	58.0	DMR-QPM-03-102	3.0
16	C-5	2.0	59.0	DMR-QPM-03-106	4.0
17	Hyd.Sel.9	1.0	60.0	DMR-QPM-03-121	5.0
18	Hyd.Sel.15	1.0	61.0	DMR QPM-56	4.0
19	Hyd.Sel.11	1.0	62.0	DMR QPM-03-103	3.0
20	Hyd.Sel.8	3.0	63.0	DMR QPM-28-3	5.0
21	Hyd.Sel.18	3.0	64.0	DMR QPM-03-125	2.0
22	Hyd.Sel.13	3.0	65.0	DMR QPM-03-124	3.0
23	Hyd.Sel.6	4.0	66.0	Sus.Check CM-202	5.0
24	Hyd.Sel.17	2.0	67.0	Res. Check C14	2.0
25	Hyd.Sel.5	3.0			
26	Hyd.Sel.16	3.0			
27	Hyd.Sel.7	4.0			
28	Hyd.Sel.10	4.0			
29	Hyd.Sel.4	5.0			
30	Hyd.Sel.1	3.0			
31	Hyd.Sel.14	3.0			
32	Hyd.Sel.3	3.0			
33	CML-113	3.0			
34	Hyd.Sel.12	4.0			
35	NG-14	4.0			
36	NG-4	2.0			
37	Nei 9202B	4.0			
38	Nei 9008B	5.0			
39	Bertam 8701	2.0			
40	CML-68	4.0			
41	CML-114	5.0			
42	CML-217 T	2.0			
43	CML-223 T	2.0			

Table 15: Evaluation of maize genotypes from Delhi centre against BSDM at Dhaulakuan during kharif 2005-Replicated Trial (Over all mean 2 rows each of Parents & F1s; 4 rows each of BC1 & BC2; 6 rows each of F2)

S.No.	Genotype	Mean
1	P1 (NAI-139)	1.9
2	P2 (9683A-1)*	2.8
3	F1 (P1 X P2)	2.1
4	F2	2.8
5	BC1	2.4
6	BC2	2.0
7	P3 (CM 111)	1.8
8	P2 (9683A-1)*	1.8
9	F1 (P3 X P2)	1.3
10	F2	2.2
11	BC1	1.9
12	BC2	2.8
13	Check (Bassi Local)	2.4

*Derivative of interspecific cross

Table 16: Evaluation of maize genotypes from Delhi centre against BSDM at Dhaulakuan during kharif 2005-Replicated Trial (Over all mean 2 rows each of Parents & F1s; 4 rows each of BC1 & BC2; 6 rows each of F2)

S.No.	Genotype	Mean
1	P1 (NAI-139)	3.1
2	P2 (Comp85134 X 85164x1-1-6...)	2.6
3	F1 (P1 X P2)	2.6
4	F2	2.7
5	BC1	3.1
6	BC2	2.5
7	P3 (CM 111)	2.3
8	P2 (Comp85134 X 85164x1-1-6...)	2.6
9	F1 (P3 X P2)	2.0
10	F2	2.5
11	BC1	2.5
12	BC2	2.6
13	Check (Bassi Local)	2.1

BSDM
DHU

Table 17: Evaluation of maize genotypes from Delhi centre against BSDM at Dhaulakuan

S.No.	Pedigree	Remarks	Crosses
1	1 X 2		2.5
2	1 X 3		2.7
3	1 X 4		2.3
4	1 X 5		2.2
5	1 X 6		2.8
6	1 X 7		2.8
7	1 X 8		2.8
8	1 X 9		2.8
9	2 X 3		2.7
10	2 X 4		2.7
11	2 X 5		2.8
12	2 X 6		2.3
13	2 X 7		2.2
14	2 X 8		2.7
15	2 X 9		2.8
16	3 X 4		2.0
17	3 X 5		2.7
18	3 X 6		2.2
19	3 X 7		2.2
20	3 X 8		2.3
21	3 X 9		2.7
22	4 X 5		2.2
23	4 X 6		2.3
24	4 X 7		2.5
25	4 X 8		2.5
26	4 X 9		2.2
27	5 X 6		2.5
28	5 X 7		2.0
29	5 X 8		2.3
30	5 X 9		2.8
31	6 X 7		2.7
32	6 X 8		2.3
33	6 X 9		2.8
34	7 X 8		2.7
35	7 X 9		1.7
36	8 X 9		3.3
37	NAL-139-A		3.2
38	CM 111		2.2
39	Comp8527 X 85164x-1-2-7-5-1-1-5-2-2		3.0
40	Comp8527 X 8551x-8-2-1-7-13-2-2-1		2.0
41	CM 140		2.0
42	9878C-1*		2.2
43	9683A-1*		2.8
44	Comp85134 X 85164x-1-1-6-3-2-2-4-2		2.7
45	IPA 34-62-1-#-1-4-3		2.0
46	Check (Bassi Local)		2.0

Parents
No.1
2
3
4
5
6
7
8
9
Check

Table 18: Synthesis and development of inbred lines resistant to PFSR during kharif 2005 at Hyderabad

S.No.	Pedigree	PFSR (1-9)	S.No.	Pedigree	PFSR (1-9)
1	PI-2	4.8	44	PI-53	3.0
2	PI-5	3.0	45	PI-54	5.0
3	PI-6	3.4	46	PI-56	5.8
4	PI-9	3.5	47	PI-57	3.3
5	PI-10	3.8	48	PI-58	3.0
6	PI-11	3.3	49	PI-59	3.0
7	PI-12	6.6	50	PI-60	3.0
8	PI-13	5.7	51	PI-61	3.3
9	PI-14	3.3	52	PI-63	3.0
10	PI-15	3.0	53	PI-64	4.7
11	PI-16	3.3	54	PI-65	3.0
12	PI-18	3.0	55	PI-66	3.0
13	PI-19	3.0	56	PI-67	3.0
14	PI-20	3.5	57	PI-68	3.0
15	PI-21	3.0	58	PI-69	3.0
16	PI-22	5.3	59	PI-71	3.0
17	PI-23	3.2	60	PI-72	4.0
18	PI-24	3.1	61	PI-73	3.2
19	PI-26	3.8	62	PI-74	3.0
20	PI-27	4.1	63	PI-76	3.3
21	PI-29	3.5	64	PI-77	3.5
22	PI-30	3.6	65	PI-78	4.0
23	PI-31	3.1	66	PI-79	6.3
24	PI-32	3.4	67	PI-80	4.0
25	PI-33	3.7	68	PI-81	3.0
26	PI-34	3.3	69	PI-82	4.6
27	PI-35	3.0	70	PI-83	3.0
28	PI-36	3.0	71	PI-84	6.7
29	PI-37	3.2	72	PI-85	7.2
30	PI-38	3.2	73	PI-86	7.4
31	PI-39	3.1	74	PI-87	4.0
32	PI-40	6.0	75	PI-89	6.7
33	PI-41	5.7	76	PI-90	6.4
34	PI-42	3.3	77	PI-92	6.0
35	PI-43	5.8	78	PI-93	3.0
36	PI-44	6.3	79	PI-94	3.0
37	PI-45	8.0	80	PI-95	3.1
38	PI-46	3.1	81	PI-96	7.4
39	PI-47	3.2	82	PI-97	7.8
40	PI-48	3.2	83	PI-98	7.8
41	PI-50	3.0	84	PI-100	5.7
42	PI-51	3.0	85	PI-101	3.0
43	PI-52	3.2	86	PI-103	3.2
87	PI-104	8.7	87	PI-104	3.0
88	PI-106	4.7	88	PI-106	4.7
89	PI-107	3.0	89	PI-107	3.0
90	PI-108	3.0	90	PI-108	3.0
91	PI-109	3.0	91	PI-109	3.0
92	PI-110	3.8	92	PI-110	3.8
93	PI-111	3.0	93	PI-111	3.0
94	PI-113	5.3	94	PI-113	5.3
95	PI-114	4.0	95	PI-114	4.0
96	PI-115	3.3	96	PI-115	3.3
97	PI-116	3.5	97	PI-116	3.5
98	PI-120	3.0	98	PI-120	3.0
99	PI-121	7.6	99	PI-121	7.6
100	PI-122	6.0	100	PI-122	6.0
101	PI-123	6.0	101	PI-123	6.0
102	PI-124	7.5	102	PI-124	7.5
103	PI-125	6.4	103	PI-125	6.4
104	PI-126	3.0	104	PI-126	3.0
105	PI-127	4.5	105	PI-127	4.5
106	PI-128	4.8	106	PI-128	4.8
107	PI-130	3.0	107	PI-130	3.0
108	PI-131	3.5	108	PI-131	3.5
109	PI-132	3.0	109	PI-132	3.0
110	PI-134	3.0	110	PI-134	3.0
111	PI-135	3.5	111	PI-135	3.5
112	PI-136	3.0	112	PI-136	3.0
113	PI-138	6.5	113	PI-138	6.5
114	PI-140	4.0	114	PI-140	4.0
115	PI-141	3.0	115	PI-141	3.0
116	PI-142	3.7	116	PI-142	3.7
117	PI-143	3.0	117	PI-143	3.0
118	PI-144	3.0	118	PI-144	3.0
119	PI-145	5.8	119	PI-145	5.8
120	PI-147	3.8	120	PI-147	3.8

Table 19 Evaluation of Breeder's material at Ludapur during kharif 2005

S.No.	Pedigree	RDM (%)	PFSR (1-9)	S.No.	Pedigree	RDM (%)	PFSR (1-9)
1	EI-466	42.9	6.8	41	EI-640	21.4	6.5
2	EI-471	64.3	6.4	42	EI-381	14.3	7.2
3	EI-460	52.0	5.3	43	EI-116	20.0	7.5
4	EI-497	78.3	7.0	44	EI-472	48.1	7.2
5	EI-532	93.3	5.5	45	EI-460	25.0	7.5
6	EI-569	20.0	5.9	46	EI-628	45.0	5.2
7	EI-570	84.2	5.5	47	EI-563	13.8	5.4
8	EI-571	91.7	6.0	48	EI-461	45.8	4.3
9	EI-574	100.0	4.6	49	EI-633	65.4	5.1
10	EI-576	65.0	4.0	50	EI-470	27.8	6.8
11	EI-578	60.0	5.3	51	EI-501	25.0	6.1
12	EI-580	86.0	5.7	52	EI-361	21.4	6.0
13	EI-582	60.0	5.6	53	EI-506	18.2	6.3
14	EI-583	43.5	5.1	54	EI-477	0.0	7.0
15	EI-586	33.3	3.1	55	EI-641	9.1	4.1
16	EI-589	41.7	6.5	56	EI-590	25.0	5.7
17	EI-591	8.3	5.0	57	EI-533	25.0	6.7
18	EI-592	87.5	4.4	58	EI-625	0.0	4.6
19	EI-593	54.1	6.5	59	EI-627	0.0	4.4
20	EI-594	19.2	4.6	60	EI-642	0.0	4.9
21	EI-596	78.3	4.7	61	EI-626	60.7	2.4
22	EI-598	86.7	6.2	62	EI-630	0.0	5.0
23	EI-599	95.8	5.4	63	LM-9	25.0	4.9
24	EI-600	100.0	4.6	64	LM-10	NG	5.2
25	EI-601	78.3	5.4	65	CM-137	13.7	4.2
26	EI-602	82.4	5.7	66	CM-400	25.0	5.0
27	EI-603	65.4	5.8	67	EI-481	-	NG
28	EI-604	77.1	6.9	68	EI-486	-	5.9
29	EI-605	65.2	5.2	69	EI-518	-	5.2
30	EI-607	0.0	3.8	70	EI-579	-	5.5
31	EI-610	69.2	5.9	71	EI-580	-	6.8
32	EI-621	91.3	4.2	72	EI-587	-	7.8
33	EI-622	80.6	4.6	73	EI-597	-	6.5
34	EI-623	87.5	4.1				
35	EI-624	65.0	5.1				
36	EI-635	31.8	6.0				
37	EI-636	61.9	5.7				
38	EI-637	61.9	6.1				
39	EI-638	54.5	3.5				
40	EI-639	11.8	6.4				
					Local	63.6	5.2

S.No.	Hybrid	Source	TLB	Polysora	Grain yield (q/ha)
1	BIO-31006	Bio-Seed Company	3.0	3.5	82,300
2	NAH-1110	ARS, Nagenahalli	2.0	1.5	90,100
3	NMH-145	Nuzveeda Seed Co.	3.5	3.5	80,600
4	NAH-1144	ARS, Nagenahalli	2.0	2.5	93,400
5	GK-3101	Ganga Kaveri	3.0	3.5	76,800
6	Ganga-11	NSC	4.0	3.5	78,500
7	Cargill-900 M	Monsanto	2.5	4.5	94,700
8	NAH-1137	ARS, Nagenahalli	1.5	1.0	97,200
9	KH-9374	Kavery Seed Co.	2.5	3.0	85,900
10	NAH-2049	ARS, Nagenahalli	1.0	1.0	99,600
11	Seed Tech-2724	BISCO Seed Co.	3.5	3.5	88,400
12	Pro-Agro-4643	Pro-Agro Co.	3.0	3.5	83,700

Table 21: Evaluation of maize hybrids at Nagenahalli during 2005 kharif

S.No.	Pedigree	TLB	Polysora
1	NAI-609-#-NA-02004K	2.5	2.0
2	NAI-620-#-NA-02004K	2.0	2.0
3	NAI-624-#-NA-02004K	1.5	1.0
4	NAI-627-#-NA-02004K	2.5	2.0
5	NAI-632-#-NA-02004K	2.0	1.5
6	NAI-635(x)-NA-002004K	1.5	1.0
7	NAI-639(x)-NA-02004K	2.5	1.0
8	NAI-601(x)-NA-02004K	1.5	1.0
9	NAI-607-#-NA-02004K	1.0	1.0
10	NAI-608(x)-NA-02004K	2.0	0.0
	Sus.Check (CM-202)	5.0	2.5
11	NAI-615(x)-NA-02004K	2.5	1.0
12	NAI-617-#-NA-02004K	1.0	1.0
13	NAI-637(x)-NA-02004K	1.0	1.0
14	TZM-102(x)-02004K	2.0	1.0
15	P-21(x)-NA-02004K	1.0	1.0
16	GP-440(x)-NA-02004K	1.0	1.0
17	CM-300(x)-NA-02004K	2.5	1.0
18	CM-400(x)-NA-02004K	1.0	1.0
	Sus.Check (CM-202)	5.0	2.0

Table 20: White inbred lines evaluated at Nagenahalli during kharif 2005

Table 22: Evaluation of maize genotypes for downy mildew incidence at Mandya during kharif 2005

S.No.	Pedigree	SDM (%)
1	EH-434041	9.1
2	EH-434042	86.6
3	EH-434043	11.2
4	EH-434044	10.2
5	EH-434045	90.8
6	EH-434046	86.7
7	EH-434047	0.0
8	EH-434048	100.0
9	EH-434049	100.0
10	EH-434050	100.0
11	EH-434051	100.0
12	EH-434052	100.0
13	EH-434053	100.0
14	EH-434054	100.0
15	EH-434055	86.4
16	EH-434056	88.0
	NAC-6004	11.3
	CM-500	100.0

Table 23: Evaluation of maize inbred lines against TLB and Polysora rust during 2005 kharif at Nagenahalli

S. No.	Pedigree	TLB	P. rust
1	NAI-102(x)-NA-2004K	2.0	1.0
2	NAI-104#-NA-2004K	2.0	1.0
3	NAI-112#-NA-2004K	2.0	1.0
4	NAI-121#-NA-2004K	1.0	2.0
5	NAI-124#-NA-2004K	2.0	1.0
6	NAI-137#-NA-2004K	1.0	1.0
7	NAI-147#-NA-2004K	1.0	1.0
8	NAI-160(x)-NA-2004K	2.0	1.0
9	NAI-161(x)-NA-2004K	3.0	2.5
10	NAI-164(x)-NA-2004K	2.0	1.0
	Sus. Check (CM-202)	5.0	3.0
11	NAI-165(x)-NA-2004K	2.0	3.0
12	NAI-108(x)-NA-2004K	1.5	2.0
13	NAI-113#-NA-2004K	2.5	2.5
14	NAI-114#-NA-2004K	1.5	2.0
15	NAI-116#-NA-2004K	1.5	2.0
16	NAI-117#-NA-2004K	1.0	1.0
17	NAI-123#-NA-2004K	1.0	1.0
18	NAI-126(x)-NA-2004K	2.5	2.0
19	NAI-127#-NA-2004K	1.5	2.0
20	NAI-102(x)-NA-2004K	1.0	1.5
	Sus. Check (CM-202)	5.0	3.0
21	NAI-132#-NA-2004K	1.5	1.0
22	NAI-133#-NA-2004K	1.5	1.0
23	NAI-135#-NA-2004K	1.0	1.0
24	NAI-138#-NA-2004K	1.0	1.0
25	NAI-139(x)-NA-2004K	2.0	2.5
26	NAI-142(x)-NA-2004K	1.5	1.5
27	NAI-143#-NA-2004K	1.0	3.0
28	NAI-145(x)-NA-2004K	1.5	2.0
29	NAI-152(x)-NA-2004K	1.0	4.0
30	NAI-154(x)-NA-2004K	1.0	2.5
	Sus. Check (CM-202)	2.0	2.5
31	NAI-155(x)-NA-2004K	1.5	2.0
32	NAI-156(x)-NA-2004K	1.0	1.0
33	NAI-158(x)-NA-2004K	3.0	2.0

S. No.	Pedigree	TLB	P. rust
34	NAL-162(x)-NA-2004K	2.5	2.0
35	NAL-163#-NA-2004K	3.0	2.5
36	NAL-167(x)-NA-2004K	1.5	1.5
37	NAL-109#-NA-2004K	3.0	2.0
38	NAL-125#-NA-2004K	2.5	1.0
39	NAL-128#-NA-2004K	2.0	1.5
40	NAL-141#-NA-2004K	1.5	1.0
	Sus. Check (CM-202)	4.5	2.0
41	NAL-148(x)-NA-2004K	2.5	1.0
42	NAL-149(x)-NA-2004K	1.5	1.0
43	NAL-151(x)-NA-2004K	2.0	1.0
44	SKV-2(x)-NA-2004K	2.5	2.0
45	SKV-3(x)-NA-2004K	NG	NG
46	SKV-6E(x)-NA-2004K	1.5	1.0
47	SKV-14#-NA-2004K	3.0	1.0
48	SKV-18#-NA-2004K	1.0	1.0
49	SKV-25(x)-NA-2004K	2.0	1.0
50	SKV-34#-NA-2004K	1.0	1.0
	Sus. Check (CM-202)	4.5	2.5
51	SKV-40(x)-NA-2004K	1.5	1.0
52	SKV-47#-NA-2004K	2.5	1.0
53	SKV-57(x)-NA-2004K	2.5	1.0
54	SKV-64#-NA-2004K	2.0	1.0
55	SKV-65(x)-NA-2004K	1.0	1.0
56	SKV-69#-NA-2004K	1.0	1.0
57	SKV-70#-NA-2004K	2.0	2.0
58	SKV-71#-NA-2004K	1.0	3.0
59	SKV-72(x)-NA-2004K	1.0	1.0
60	SKV-74#-NA-2004K	2.5	2.0
	Sus. Check (CM-202)	4.5	2.0
61	SKV-5(x)-NA-2004K	2.0	2.0
62	SKV-6(L)(x)-NA-2004K	2.5	2.0
63	SKV-9(x)-NA-2004K	4.0	2.0
64	SKV-11#-NA-2004K	1.5	1.0
65	SKV-12#-NA-2004K	2.5	2.0
66	SKV-13#-NA-2004K	1.5	1.0
67	SKV-15#-NA-2004K	2.5	1.0
68	SKV-17(x)-NA-2004K	1.5	1.0
69	SKV-19(x)-NA-2004K	1.0	1.0
70	SKV-20#-NA-2004K	1.5	3.0
	Sus. Check (CM-202)		

S. No.	Pedigree	TLB	P. rust
71	SKV-21(x)-NA-2004K	1.5	1.0
72	SKV-23(x)-NA-2004K	1.5	2.5
73	SKV-24(x)-NA-2004K	1.5	1.0
74	SKV-26(x)-NA-2004K	1.0	1.0
75	SKV-27(x)-NA-2004K	1.0	1.0
76	SKV-19(x)-NA-2004K	1.0	1.0
77	SKV-30(x)-NA-2004K	2.0	1.0
78	SKV-33(x)-NA-2004K	2.0	1.0
79	SKV-35(x)-NA-2004K	1.5	2.0
80	SKV-36(x)-NA-2004K	2.5	1.0
	Sus. Check (CM-202)	4.5	3.0
81	SKV-37#-NA-2004K	3.0	1.0
82	SKV-38#-NA-2004K	2.0	1.5
83	SKV-39(x)-NA-2004K	2.0	2.0
84	SKV-42#-NA-2004K	2.5	1.0
85	SKV-43#-NA-2004K	1.0	1.0
86	SKV-44(x)-NA-2004K	2.0	1.0
87	SKV-45(x)-NA-2004K	1.0	1.0
88	SKV-51(x)-NA-2004K	2.5	1.0
89	SKV-52#-NA-2004K	2.0	1.0
90	SKV-53(x)-NA-2004K	2.0	1.0
	Sus. Check (CM-202)	4.5	2.5
91	SKV-55#-NA-2004K	1.0	1.0
92	SKV-58(x)-NA-2004K	1.0	2.0
93	SKV-59#-NA-2004K	1.0	1.0
94	SKV-61#-NA-2004K	1.0	1.0
95	SKV-62#-NA-2004K	1.0	1.0
96	SKV-66(x)-NA-2004K	2.5	1.0
97	SKV-67#-NA-2004K	1.0	1.0
98	SKV-75#-NA-2004K	5.0	1.0
99	SKV-76(x)-NA-2004K	2.5	1.0
100	SKV-8(x)-NA-2004K	2.0	1.0
	Sus. Check (CM-202)	4.5	3.0
101	SKV-10(x)-NA-2004K	1.0	1.0
102	SKV-31(x)-NA-2004K	1.0	1.0
103	SKV-46(x)-NA-2004K	1.0	1.0
104	SKV-48(x)-NA-2004K	1.0	1.0
105	SKV-49(x)-NA-2004K	1.0	1.0
106	SKV-60(x)-NA-2004K	1.0	1.0
107	SKV-63(x)-NA-2004K	1.0	1.0
108	MO-17#-NA-2004K	2.0	1.0

S.	Pedigree	TLB	P. rust
109	FLA-BT-115(x)-NA-2004K	1.0	4.0
110	H-4460-H13-#-NA-2004K	1.0	4.0
	Sus. Check (CM-202)	4.5	2.0
111	KUI-1414A(x)-N-2005-4K	2.5	3.0
112	CM-114(x)-NA-2004K	2.5	1.0
113	CM-115(x)-NA-2004K	1.0	2.0
114	CM-117(x)-NA-2004K	1.0	3.0
115	CM-119(x)-NA-2004K	1.0	3.5
116	CM-122(x)-NA-2004K	1.0	1.0
117	CM-131(x)-NA-2004K	2.5	4.5
118	CM-132-#-NA-2004K	2.5	4.0
119	CM-205(x)-NA-2004K	2.0	1.0
120	CM-208(x)-NA-2004K	3.0	2.0
	Sus. Check (CM-202)	4.5	2.5
121	CM-501(x)-NA-2004K	1.0	2.0
122	KUI-1411(x)-NA-2004K	1.0	2.5
123	HI-55(x)-NA-2004K	2.0	1.0
124	MAI-104(x)-NA-2004K	1.0	1.0
125	MAI-105(x)-NA-2004K	2.5	2.0
126	MAI-110-#-NA-2004K	2.5	3.0
127	MAI-112(x)-NA-2004K	3.5	2.0
128	MAI-114(x)-NA-2004K	2.0	2.5
129	MAI-123(x)-NA-2004K	3.0	2.0
	Sus. Check (CM-202)	4.5	3.0

S. No.	Pedigree	TLB	P. rust
1	BIO-31006	3.0	3.5
2	NAH-1110	2.0	1.5
3	NMH-145	3.5	3.5
4	NAH-1144	2.0	2.5
5	GK-3101	3.0	3.5
6	Ganga-11	4.0	3.5
7	Cargil-900M	2.5	4.5
8	NAH-1137	1.5	1.0
9	KH-9374	2.5	3.0
10	NAH-2049	1.0	1.0
11	Seed Tech-2724	3.5	3.5
12	Pro-Agro-4643	3.0	3.5

Table 25: Evaluation of maize hybrids against TLB and Polysora rust during 2005 kharif at Nagenahalli

S. No.	Pedigree	TLB	P. rust
1	NAI-609-#-NA-02004K	2.5	2.0
2	NAI-620-#-NA-02004K	2.0	2.0
3	NAI-624-#-NA-02004K	1.5	1.0
4	NAI-627-#-NA-02004K	2.5	2.0
5	NAI-632-#-NA-02004K	2.0	1.5
6	NAI-635(x)-NA-02004K	1.5	1.0
7	NAI-639(x)-NA-02004K	2.5	1.0
8	NAI-601(x)-NA-02004K	1.5	1.0
9	NAI-607-#-NA-02004K	1.0	1.0
10	NAI-608(x)-NA-02004K	2.0	0.0
	Sus. Check (CM-202)	5.0	2.5
11	NAI-615(x)-NA-02004K	2.5	1.0
12	NAI-617-#-NA-02004K	1.0	1.0
13	NAI-637(x)-NA-02004K	1.0	1.0
14	TZM-102(x)-NA-02004K	2.0	1.0
15	P-21(x)-NA-02004K	1.0	1.0
16	GP-440(x)-NA-02004K	1.0	1.0
17	CM-300(x)-NA-02004K	2.5	1.0
18	CM-400(x)-NA-02004K	1.0	2.0
	Sus. Check (CM-202)	5.0	2.0

Table 24: Evaluation of white inbred lines against TLB and Polysora rust during 2005 kharif at Nagenahalli

SUMMARY
(*Kharij*, 2005)

CO-ORDINATED TRIALS :

1. Varietal screening :

Two hundred twenty three maize lines received from DMR, New Delhi were screened to find out source of resistance against maize cyst nematode, *Heterodera zea*. Results revealed that none was found resistant to test nematode (0-4 cyst/plant). However, eight lines viz. DMR-697, DMR-735, DMR-747, DMR-764, DMR-577, DMR-592, DMR-557 and DMR-527 exhibited moderately resistant (above 4-9 cyst/plant) response to *H. zea*. Rest of the lines were categorized to be susceptible (above 9 cyst / plant).

2. Population dynamics :

Soil samples were collected to find out population fluctuation of maize cyst nematode, *H. zea* in treated (carbofuran @ 1.5 kg a.i./ha) as well as in untreated plots. Results showed that maximum cyst (15 and 22 cyst / 100 cc soil), cyst contents (130 and 140 eggs & larvae / cyst) and larvae (665 and 876 larvae / 100 cc soil) population were obtained at harvest of maize during October in treated and untreated plots, respectively while minimum nematode population was noticed during June.

3. Survey :

Soil and root samples of maize were collected during *Kharij*, 2005 from maize growing areas of Chittorgarh, Rajsamand and Udaipur districts of Rajasthan to find out distribution and population density of maize cyst nematode, *H. zea* on maize. Results revealed that maximum occurrence (67.50 %) of *H. zea* was noticed from Udaipur district with an average population of 13.13 cyst / plant, 9.11 cyst / 100 cc soil and 720.4 larvae / 100 cc soil. Minimum occurrence (57.14 %) was recorded from Chittorgarh district.

STATION TRIALS :

1. Assessment of losses :

An experiment was carried out to estimate avoidable losses caused by maize cyst nematode, *H. zea* on maize through nematicide (phorate @ 2 kg a.i./ha) and organic amendment (karanj cake @ 5 q/ha). Experimental findings showed that application of phorate @ 2 kg a.i./ha and karanj cake @ 5 q/ha significantly reduced cyst population and avoided yield losses to the tune of 28.85 and 19.53%, respectively in field infested with *H. zea*.

2. Integrated nematode management :

A field trial was conducted with the aim to develop IPM module for maize cyst nematode, *H. zea* on maize. Neem, karanj and mahua seed kernels were used @ 10% w/w as seed treatment along with soil application of carbofuran or phorate @ 1 kg a.i./ha. A treated chemical (carbosulfan @ 2% w/w + carbofuran @ 1 kg a.i./ha) and untreated check was also maintained for comparison of treatments. Results revealed that maximum reduction in cyst/plant (42.52%), cyst/100 cc soil (50.00%) and larvae/100 cc soil (40.48%) was observed with neem seed kernel @ 10% w/w + carbofuran @ 1 kg a.i./ha whereas highest increase in yield (32.42%) was recorded with karanj seed kernel @ 10% w/w + carbofuran @ 1 kg a.i./ha over untreated check.

3. Nematode management through seed treatment :

An experiment was carried out to test the efficacy of neem, karanj and mahua seed kernels @ 10% w/w and a bio-agent, *T. viride* @ 10 g/kg seed as seed treatment against maize cyst nematode, *H. zea* on maize. A treated chemical (carbosulfan 25 DS @ 3% w/w) and untreated check was also maintained for comparison. Results exhibited that among botanicals and bio-agent, seed treatment with neem seed kernel @ 10% w/w was found to be the best with respect to nematode management. It reduced cyst / plant (25.87%), cyst / 100 cc soil (27.69%) and larvae/100 cc soil (20.56%) with an increase in yield of 10.00% over untreated check. However, maximum increase in yield (15.56%) was noticed with karanj seed kernel @ 10% w/w.

Table 2. Population fluctuation of maize cyst nematode, *H. zeae* during 2005

Month	Soil population / 100 cc soil		Eggs & larvae / cyst	
	Treated	Untreated	Treated	Untreated
	Cyst	Larvae		
January 2005	10	12	425	492
February 2005	12	13	455	538
March 2005	13	16	498	685
April 2005	14	18	534	746
May 2005	12	15	466	520
June 2005	9	11	385	452
July 2005	10	13	500	585
August 2005	10	15	520	700
September 2005	12	19	610	780
October 2005	15	22	665	876
November 2005	13	20	645	830
December 2005	11	15	575	658

Table 3 : Distribution of maize cyst nematode, *H. zea* in maize growing areas of southern Rajasthan

District	Places	No. of samples collected	No. of samples containing <i>H. zea</i>	Per cent occurrence	Average nematode population		
					Cyst / plant	Cyst / 100 cc soil	Larvae / 100 cc soil
Chittorgarh	Mangalwar	10	6	60.00	11.67	8.17	675.5
	Bansen	7	4	57.14	10.00	7.50	563.3
	Mandpiya	4	2	50.00	9.50	5.00	480.0
		21	12	57.14	10.39	6.89	572.9
Rajsamand	Delwara	8	6	75.00	15.00	11.33	840.0
	Negdia	6	3	50.00	13.33	8.67	635.3
	Peeparda	6	4	66.67	14.50	10.40	786.5
	Ghoda Ghati	8	5	62.50	11.60	7.80	560.2
	Nahdwara	7	4	57.14	13.50	9.80	675.5
		35	22	62.86	13.59	9.60	699.5
Udaipur	Bansra	5	3	60.00	12.67	8.33	660.7
	Vana	4	2	50.00	10.50	6.00	485.0
	Sangwa	7	5	71.43	14.20	9.60	770.6
	Bhatwar	8	6	75.00	12.17	7.83	615.8
	Daroli	10	7	70.00	16.00	12.14	942.1
	Kheroda	6	4	66.67	13.25	10.75	848.0
	40	27	67.50	13.13	9.11	720.4	
	G. Total	96	61	63.54			

Table 4. Assessment of yield losses caused by maize cyst nematode, *H. zea* on maize (Kharif, 2005)

Treatments	Nematode population		Grain yield		
	Cyst / plant	Per cent reduction over check	q/ha	Per cent increase over check	Avoidable loss (%)
Phorate @ 2 kg a.i./ha	13.17	43.96	30.75	40.54	28.85
Karanj cake @ 5 q/ha	16.00	31.91	27.19	24.27	19.53
Check	23.50	-	21.88	-	-
SEM ±	0.942	-	1.025	-	-
CD at 5 %	2.968	-	3.231	-	-

Data are the average of six replications

Crop Variety = Ganga-2

Plot size = 16 sq. m.

Initial Nematode Population = 1060 larvae/100 cc soil

Date of Sowing = 15-07-2005

Soil type = Clay loam

Design = R.B.D.

Table 5. Integrated management of maize cyst nematode, *H. zeae* on maize through seed and soil treatments (Kharif, 2005)

Treatments	Nematode population						Grain yield	
	Cyst / plant	Per cent reduction over check	Cyst / 100 cc soil	Per cent reduction over check	Larvae / 100 cc soil	Per cent reduction over check	g / ha	Per cent increase over check
Neem seed kernel @ 10 % w/w + Carbofuran @ 1 kg a.i./ha	15.33	42.52	10.00	50.00	500.00	40.48	29.44	22.67
Karanj seed kernel @ 10 % w/w + Carbofuran @ 1 kg a.i./ha	18.33	31.27	13.33	33.35	608.00	27.62	31.78	32.42
Mahua seed kernel @ 10 % w/w + Carbofuran @ 1 kg a.i./ha	21.00	21.26	16.00	20.00	700.00	16.67	27.33	13.88
Neem seed kernel @ 10 % w/w + Phorate @ 1 kg a.i./ha	16.67	37.50	11.67	41.65	546.00	35.00	28.89	20.38
Karanj seed kernel @ 10 % w/w + Phorate @ 1 kg a.i./ha	19.33	27.52	15.00	25.00	660.00	21.43	30.33	26.38
Mahua seed kernel @ 10 % w/w + Phorate @ 1 kg a.i./ha	21.67	18.75	17.33	13.35	736.00	12.38	27.00	12.50
Carbosulfan @ 2 % w/w + Carbofuran @ 1 kg a.i./ha	14.00	47.51	8.67	56.65	434.00	48.33	33.11	37.96
Check	26.67	-	20.00	-	840.00	-	24.00	-
SEM ±	1.361	-	1.130	-	19.545	-	1.276	-
CD at 5 %	4.127	-	3.429	-	59.285	-	3.869	-

Data are the average of three replications

Plot size = 9 sq. m.

Date of Sowing = 15-07-2005

Crop Variety = Ganga-2

Design = R.B.D.

Initial Nematode Population = 1060 larvae/100 cc soil

Soil type = Clay loam

Table 6. Management of maize cyst nematode, *H. zeae* through seed dressing with bio-agent and botanicals (Kharif, 2005)

Treatments	Nematode population						Grain yield	
	Cyst / plant	Per cent reduction over check	Cyst / 100 cc soil	Per cent reduction over check	Larvae / 100 cc soil	Per cent reduction over check	q / ha	Per cent increase over check
Neem seed kernel @ 10 % w/w	21.00	25.87	15.67	27.69	715.00	20.56	24.75	10.00
Karaji seed kernel @ 10 % w/w	22.33	21.18	17.67	18.46	755.00	16.11	26.00	15.56
Mahua seed kernel @ 10 % w/w	26.00	8.22	20.33	6.18	840.00	6.67	23.50	4.44
<i>Trichoderma viride</i> @ 10 g / kg seed	24.00	15.28	18.33	15.41	800.00	11.11	24.17	7.42
Carbosulfan @ 3 % w/w	19.00	32.93	13.33	38.49	636.00	29.33	27.50	22.22
Check	28.33	-	21.67	-	900.00	-	22.50	-
SEM ±	1.855	-	1.261	-	22.530	-	0.710	-
CD at 5 %	5.845	-	3.972	-	70.993	-	2.238	-

Data are the average of three replications

Plot size = 12 sq. m.

Date of Sowing = 15-07-2005

Crop Variety = Ganga-2

Design = R.B.D.

Initial Nematode Population = 1060 larvae/100 cc soil

Soil type = Clay loam

**BIOCHEMISTRY
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(w.e.f. 2005-2006)

(1) Relationship of zeln with endosperm vitreosity & its impact on protein quality

Zeln synthesis could be induced by higher rates of nitrogen fertilizer. Therefore in the present study, effect of different level of nitrogen on kernel weight and protein quality were studied in QPM and compared with normal maize as control by using inorganic nitrogen source of nitrogen supply. Normal maize (Ganga-5) and QPM (Shakti-1) were grown at the farm of Agronomy Department during monsoon season under normal agronomical conditions. Nitrogen was applied at the rate of 40,60 and 120 kg/ha apart from available soil nitrogen in the field, which was treated as control.

(A) Response of different concentration of Inorganic Nitrogen fertilizer on kernel weight, zeln, non-zeln and protein quality.

100 kernels weight which was found higher in normal maize than QPM at all the concentration of nitrogen fertility respectively 107.39, 19.08, 14.0 and 25.10 per cent at 0.40,60 & 120 kg nitrogen/ha, increased with increase nitrogen fertility in both the varieties (Table-1). The increase was 1.26, 3.35 & 8.26 percent in normal maize and 76.35, 88.01 and 79.48 per cent in QPM respectively at 40,60 & 120 kg Nitrogen / ha when compared with their control respectively. Similarly total protein and zeln contents at above different nitrogen fertility which were also found higher in normal than QPM respectively 1.35, 1.80, 2.12, 2.23 and 11.68, 5.63, 10.23, 20.42 per cent increased with increase in nitrogen fertility in normal maize only. This increase was 0.14, 0.57 & 0.83 per cent in protein and 0.19, 2.94 & 9.01 per cent in zeln content respectively at 40, 60 & 120 kg Nitrogen/ha when compared with their control. In the case of QPM, not such increase was observed in total protein and zeln contents.

(B) Response of herbicides on kernels weight, protein, tryptophan, zeln, non-zeln and ratio of non-zeln/ zeln.

Herbicides not only found very effectively against weeds but also effect the plant growth and chemical composition. Therefore in the present study, two QPM varieties namely Shakti-1 and Shaktiman-2 were grown in the farm of Agronomy Department during monsoon season under normal agronomical conditions and normal variety-Ganga-11 were used as check with herbicides as information of herbicides on QPM varieties is meager. In all the three varieties, 1000 kernels weight increased with all the treatments of herbicides used and hand weeding when compared with weed check. In general protein quality also improved in all the three varieties with all the treatments of herbicides used and hand weeding except one treatment of hand weeding of Shakti-1, (Table-2). Ratio of non-zeln/ zeln which is related with vitreousness and hardness of the endosperm, were found maximum in shakti-1 followed by Shaktiman-2 and least in Ganga-11 with all the treatments of herbicides and hand weeding independently (Table - 3).

(C) SDS-PAGE of whole zein fraction: -

The SDS-PAGE of whole zein showed nine polypeptide bands at 54, 42, 37, 25.5, 18, 13, 9.8 and 7.4 kDa in the zein of opaque-2, QPM and normal maize endosperms (Table-4). Among them four polypeptide bands at 54, 42, 37 and 13 kDa were found common having same pattern and intensity in all the three varieties. Polypeptide bands at 25.5 and 18 kDa which were found comparable more intense and diffuse in normal and QPM, were found faint in opaque-2. Similarly three other low molecular weight polypeptide bands at 9, 8 and 7.4 kDa which were also comparable more intense in normal and QPM are also very faint in opaque-2. Rf values, which are increasing order from 0.23 to 0.81, are also found out with each polypeptide band. These polypeptide bands are decreasing orders.

(2) Genetic analysis in maize breeding programme involving quality protein genotypes (TNAU-Coimbatore): -

Six maize inbreds as parents, comprising both non QPM and QPM types and their 30 hybrids derived in a diallel, obtained from Tamil Nadu Agricultural University Coimbatore, were analyzed for 100 kernels weight, specific gravity, protein and its tryptophan content for quality parameters (Table-5) Endosperm protein and its tryptophan content were controlled by dominant gene action. The parent-4 was identified as promising grain weight and protein content. The inbred P6 X P2 registered grain weight and tryptophan content for promising QPM breeding.

Evaluation of selected QPM lines, QPM parental lines, QPM inbred lines, QPM composite, white conversion lines and yellow conversion lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

Seventy seven selected QPM germplasm received from DMR center grown at Hyderabad for % protein, % Try (g/16g N), 100 kernel weight and specific gravity. The data presented in table 6, 7, 8, 9, 10 and 11. The % Protein ranged from 7.73 to 12.92 in DMR QPM 03-120-8-B and CML 322 X CML 150³-#-8 respectively. The % Try (g/16g N) ranged from 0.35 to 1.03 in CM 129 X SO/SN Camp(P) SN⁸ CCB-50%-f-#-8³ and CM 121 X SO/SN⁸ Comp. SN⁸ CCB-50%-f-#-8³ respectively and specific gravity ranged from 1.04 to 1.28 in SLW-HG 888-CDHG-3-2-2-BB-B-B X CML-142³-#-8-8 and CM 111 X SO/SN Camp. Category "O"###-bulk-1-1-#-8³### respectively.

List of germplasm which have more than $\geq 9\%$ Protein and $\geq 0.7\%$ Tryptophan (g/16 gN) received from DMR center grown at Hyderabad during Rabi, 2004-05

Twenty two germplasm which have more than $\geq 9\%$ Protein and $\geq 0.7\%$ Tryptophan (g/16 gN) received from DMR center grown at Hyderabad for % protein, % Try (g/16g N), 100 kernel weight and specific gravity. The data presented in table 12. The % Protein ranged from 9.00 to 11.30 in DMR QPM 03-106-B and DMR QPM 03-105- \otimes respectively. The % Try (g/16g N) ranged from 0.71 to 0.99 in DMR QPM-28-5- \otimes - \otimes -bulk- \otimes and CML 142-# respectively. The 100 kernel weight ranged from 14.00 to 21.70 in P 502 C1-#-315-3-1-1-B-2-6-BB X CML-142- \otimes and Comp. (ESN) CC bulk 50%-1-##### respectively and specific gravity ranged from 1.06 to 1.25 in DMR QPM-17- \otimes and SO/SN Comp. Bulk # SN³ CC bulk 75%-1-##### respectively.

Evaluation of selected high amylose lines and waxy lines for carbohydrate profiles received from DMR center grown at Hyderabad during Rabi, 2004-05

Three selected high amylose lines and four waxy lines received from DMR center grown at Hyderabad for carbohydrate profiles. The data presented in table 13 and 14. The starch ranged from 66.25 to 72.15 in Sukhotha-1-Waxy- \otimes and ae-46-4-4-B- \otimes -15- \otimes -Bulk- \otimes respectively. The % amylose in starch ranged from 10.14 to 38.28 in Waxy Corn- \otimes and ae-47-7-5-B- \otimes -13-#- \otimes - \otimes respectively and amylopectin in starch ranged from 61.72 to 89.86 in ae-47-7-5-B- \otimes -13-#- \otimes - \otimes and Waxy Corn- \otimes respectively.

Evaluation of selected high oil lines received from DMR center grown at Hyderabad during Rabi, 2004-05

Four high oil lines analyzed for oil estimation. The data presented in Table 15. The % oil on dry basis ranged from 5.60 to 6.63 in Temp x Trop High oil QPMC 14-#-3-#- \otimes - \otimes and Temp \otimes HO C15##- \otimes - \otimes respectively.

Evaluation of selected sweet corn lines for sugar estimation received from DMR center grown at Hyderabad during Rabi, 2004-05

Seventeen sweet corn lines received from DMR data presented in Table 16. The total sugar ranged from 6.72 to 24.03 in Masmandu (sh2 sh2)- \otimes - \otimes and Bulk maize de PAK 1A (Su. Su)- \otimes - \otimes respectively.

Four selected QPM inbred lines Set I, Set II, Set III and Set IV analyzed for % Protein, % Tryptophan in protein, 100 kernel weight and specific gravity. Data presented in Table 17

Evaluation of QPM Trial No-7 received from PAU, Ludhiana for quality test during Rabi 2004-05

Nine QPM Trial No-7 received from PAU, Ludhiana for quality test. Data presented in Table 18. The % Protein ranged from 8.80 to 12.00 in 5304 and 5308 respectively. The % Try (g/16g N) ranged from 0.39 to 0.59 in 5303 and 5303A respectively.

Eleven germplasm Trial No-71-Z-2 set II and advance trial received from Ludhiana for quality test. Data presented in Table 19 and 20. All the germplasm are in normal nature.

QPM Trial No-1

Thirteen QPM germplasm received from Delhi, Ludhiana and Almora for quality test. The data presented in Table 21. The maximum % protein was more than 10% in all the centers in Shaktiman-1 and % Tryptophan in protein was more than 0.75 in HQPM-5 in all the centers.

QPM Trial No-2

Twelve QPM germplasm received from Delhi, Ludhiana and Almora for quality test. The data presented in Table 22. The maximum % protein was more than 10% in BQPMH-4 in all the centers and % Tryptophan in protein was more than 0.75 in HQPM-1 in all the centers.

Evaluation of trial QPM-3 germplasm received from DMR, Delhi and Ludhiana for quality test

Fifteen QPM germplasm has been analyzed for % protein, % Try (g/16g N), 100 kernel weight and specific gravity. The data presented in Table 23. The maximum % protein from 0.79 in DMRQPM-41 at DMR, Center and maximum % Tryptophan in protein from 0.79 in DMRQPM-48 at DMR, Delhi center while maximum specific gravity in 1.29 in DMRQPM-41 at Ludhiana center.

Shaktiman treated with Aspergillus and Fusarium separately and then with both Aspergillus and Fusarium was analyzed for total protein and tryptophan in protein. The data presented in Table 24. The total protein was found to increase by 23.20% when Shaktiman was treated by both Aspergillus and Fusarium in combination while the protein contents were marginally reduced when these pathogens infected the grains separately.

Six germplasm received from VPKAS, Almora Trial No-72 for quality test. The data presented in Table 25. The % protein ranged from 8.84 to 11.72 in DMR-104 and DMR-106 and Try. (g/16 gN) ranged from 0.50 to 0.67 in DMR-101 and DMR-105 respectively.

One QPM germplasm received from DBRG, BIRSA Agricultural University, Kampur, Ranchi-6, Jharkhand for quality test. The data presented in Table 26. The % protein 9.96, Try. (g/16 gN) 0.55, 100 kernel weight 27.00 and specific gravity 1.08.

Table 2 :- Effect of Herbicides on the performance of 1000 kernel weight, protein and tryptophan in Maize varieties.

S. No.	Parameters	Weed Control		
		Shakti-1 (QPM)	Shaktiman-2 (QPM)	Ganga-11 (Normal)
1.	1000 kernels weight (g)	Weed Check (T1)	185.0	229.8
2.		Hand Weeding (T2)	302.9	328.4
3.		Atrazine (1kg/ha) (T3)	238.5	367.4
4.		Atrazine+pendimethaline (T4)	275.9	322.8
5.		Atrazine + pendimethaline (T5)	298.0	261.9
6.		Metribuzine (T6)	253.0	258.0
7.		Metribuzine+pendimethaline (T7)	291.5	276.2
8.		Weed Check (T1)	8.30	8.40
9.		Hand Weeding (T2)	8.30	8.70
10.		Atrazine (1kg/ha) (T3)	8.00	8.30
11.	Atrazine+pendimethaline (T4)	8.50	7.80	
12.	Atrazine + pendimethaline (T5)	8.60	8.40	
13.	Metribuzine (T6)	8.50	7.50	
14.	Metribuzine+pendimethaline (T7)	8.70	7.80	
15.	Weed Check (T1)	0.60	0.41	
16.	Hand Weeding (T2)	0.60	0.46	
17.	Atrazine (1kg/ha) (T3)	0.65	0.54	
18.	Atrazine+pendimethaline (T4)	0.64	0.60	
19.	Atrazine + pendimethaline (T5)	0.66	0.67	
20.	Metribuzine (T6)	0.61	0.59	
21.	Metribuzine+pendimethaline (T7)	0.61	0.76	

Table 3 :- Effect of Herbicides on the performance of Zein, Non-Zein and ratio of non-zein/zein in maize varieties.

S. No.	Parameters	Weed Control		Varieties	
		Shakti-1	Shakti-2	Shakti-1	Ganga-11
		(QPM)	(QPM)	(Normal)	
1.	Weed Check	(T1)	19.05	35.29	47.20
2.	Hand Weeding	(T2)	13.21	23.56	46.96
3.	Atrazine (1kg/ha)	(T3)	14.85	31.72	44.27
4.	Atrazine+pendimethaline (0.5+0.5 kg/ha)	(T4)	19.40	28.96	43.95
5.	Atrazine + pendimethaline (0.75+0.75 kg/ha)	(T5)	19.23	26.87	44.07
6.	Metbuzine (0.5 kg/ha)	(T6)	16.81	20.88	45.21
7.	Metbuzine+pendimethaline (0.25 + 0.75 kg/ha)	(T7)	19.26	28.57	43.88
8.	Weed Check	(T1)	80.95	64.71	58.80
9.	Hand Weeding	(T2)	86.79	76.44	53.04
10.	Atrazine (1kg/ha)	(T3)	85.15	68.28	55.73
11.	Atrazine+pendimethaline (0.5+0.5 kg/ha)	(T4)	80.60	71.04	56.05
12.	Atrazine + pendimethaline (0.75+0.75 kg/ha)	(T5)	80.77	73.13	55.93
13.	Metbuzine (0.5 kg/ha)	(T6)	83.19	79.12	54.79
14.	Metbuzine+pendimethaline (0.25 + 0.75 kg/ha)	(T7)	80.74	71.43	56.19
15.	Weed Check	(T1)	4.25	1.83	1.12
16.	Hand Weeding	(T2)	6.52	3.24	1.13
17.	Atrazine (1kg/ha)	(T3)	5.73	2.15	1.26
18.	Atrazine + pendimethaline (0.5+0.5 kg/ha)	(T4)	4.15	2.45	1.28
19.	Atrazine + pendimethaline (0.75+0.75 kg/ha)	(T5)	4.20	2.72	1.27
20.	Metbuzine (0.5 kg/ha)	(T6)	4.95	3.79	1.20
21.	Metbuzine+pendimethaline (0.25 + 0.75 kg/ha)	(T7)	4.20	2.50	1.28

S. No.	Rf Value	Molecular Weight (Kda)	Whole Zein Fraction			Total Polypeptide bands
			Normal (Navjot)	Opaque (Shakti)	QPM (Shakti-1)	
1.	0.23	54	++	++	++	
2.	0.29	42	++	++	++	
3.	0.33	37	++	++	++	
4.	0.46	25.5	+++++	+	+++++	
5.	0.65	18	+++++	+++++	+++++	
6.	0.73	13	+++++	+++++	+++++	
7.	0.78	9	++	+	++	
8.	0.80	8	++	+	++	
9.	0.81	7.4	++	+	++	

Table 4 :- Rf Values and molecular weight of whole zein fraction is polypeptide bands.

Table 5 :- Maize materials (line and crosses) received from TNAU Coimbatore (2004 K) for quality parameters.

S. No.	Pedigree	100 normal weight (g)	Specific Grain % (g/ha)	Protein (%)	Tryptophan (g/16gn)
1.	Parent1	27.60	1.23	9.13	0.93
2.	Parent2	16.25	1.08	8.66	1.07
3.	Parent3	19.00	1.27	8.17	1.14
4.	Parent4	25.85	1.03	11.33	0.77
5.	Parent5	15.30	1.53	9.76	0.81
6.	Parent6	21.75	1.24	7.92	1.07
7.	P1 x P2	35.40	1.42	9.89	0.43
8.	P1 x P3	30.70	1.54	10.15	0.45
9.	P1 x P4	31.50	1.41	8.88	0.55
10.	P1 x P5	25.95	1.48	8.67	0.60
11.	P1 x P6	28.80	1.44	9.63	0.51
12.	P2 x P1	25.85	1.26	9.19	0.49
13.	P2 x P3	30.00	1.18	9.63	0.49
14.	P2 x P4	29.15	1.46	9.59	0.50
15.	P2 x P5	36.40	1.40	9.02	0.54
16.	P2 x P6	31.40	1.26	10.42	0.52
17.	P3 x P1	27.20	1.36	9.76	0.56
18.	P3 x P2	27.30	1.37	9.81	0.54
19.	P3 x P4	23.15	1.32	11.20	0.45
20.	P3 x P5	26.70	1.19	10.59	0.44
21.	P3 x P6	25.35	1.27	9.37	0.54
22.	P4 x P1	30.05	1.20	9.02	0.60
23.	P4 x P2	27.45	1.22	12.55	0.41
24.	P4 x P3	20.75	1.38	10.55	0.47
25.	P4 x P5	22.55	1.29	7.62	0.64
26.	P4 x P6	28.55	1.27	11.77	0.42
27.	P5 x P1	26.80	1.34	11.51	0.53
28.	P5 x P2	30.40	1.22	12.08	0.44
29.	P5 x P3	27.50	1.22	9.98	0.62
30.	P5 x P4	25.35	1.27	11.50	0.59
31.	P5 x P6	21.05	1.20	11.73	0.50
32.	P6 x P1	26.75	1.07	12.30	0.43
33.	P6 x P2	33.20	1.33	10.02	0.91
34.	P6 x P3	27.80	1.39	10.90	0.68
35.	P6 x P4	27.65	1.38	9.23	0.73
36.	P6 x P5	28.25	1.26	7.62	0.75
37.	Check-1	30.25	1.34	10.33	0.60
38.	Check-2	41.40	1.18	8.14	0.74
	Minimum	15.30	1.03	7.62	0.41
	Maximum	41.40	1.54	12.55	1.14

Table 6: Evaluation of selected QPM lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	Protein %	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	DMR QPM-58-⊗-⊗	10.34	0.48	14.28	1.18
2.	DMR QPM-17-⊗-⊗	8.61	0.81	18.40	1.22
3.	DMR QPM-75-⊗-⊗	10.85	0.59	15.30	1.18
4.	DMR QPM-17-⊗-⊗	9.01	0.92	15.30	1.17
5.	DMR QPM-17-⊗-⊗	10.02	0.87	16.00	1.06
6.	DMR QPM-18-⊗-⊗	9.10	0.80	15.00	1.20
7.	DMR QPM-17-⊗-⊗	10.10	0.69	18.00	1.20
8.	DMR QPM 03-101-⊗	10.60	0.63	18.40	1.22
9.	DMR QPM-17-⊗-⊗	9.73	0.65	15.10	1.21
10.	DMR QPM 03-106-⊗-B	9.00	0.74	18.00	1.20
11.	DMR QPM-18-⊗-⊗	9.70	0.76	16.10	1.07
12.	DMR QPM 03-102-⊗	9.77	0.59	17.30	1.15
13.	DMR QPM-18-⊗-⊗	9.52	0.47	16.20	1.08
14.	DMR QPM 03-106-⊗-B	9.00	0.57	21.80	1.09
15.	DMR QPM 03-117-⊗-B	9.51	0.69	20.90	1.05
16.	DMR QPM 03-120-⊗-B	7.73	0.71	17.50	1.16
17.	DMR QPM 03-118-⊗	8.60	0.91	17.90	1.19
18.	DMR QPM 03-119-⊗-B	7.89	0.79	19.80	1.13
	Maximum	10.85	0.92	21.80	1.22
	Minimum	7.73	0.47	14.28	1.05

Table 7: Evaluation of selected QPM parental lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	Protein %	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	CML-171-⊗-#	8.49	0.94	18.80	1.25
2.	DMR QPM-58-⊗-⊗-#	9.98	0.86	15.10	1.20
3.	DMR QPM-75-⊗-⊗-#	9.91	0.68	19.20	1.13
4.	DMR QPM-17-⊗-⊗-#	11.70	0.65	19.50	1.14
5.	DMR QPM-18-⊗-⊗-#	8.87	0.73	14.20	1.13
6.	DMR QPM-28-5-⊗-⊗-#	11.60	0.55	18.80	1.25
7.	DMR QPM 03-101-⊗-#	11.00	0.44	19.40	1.14
8.	DMR QPM 03-102-⊗-#	9.20	0.72	16.00	1.07
9.	DMR QPM 03-106-⊗-#	10.78	0.44	18.00	1.20
10.	DMR QPM 03-117-⊗-#	9.89	0.66	16.40	1.09
11.	DMR QPM 03-120-⊗-#	10.92	0.66	19.60	1.15
12.	DMR QPM 03-118-⊗-#	10.22	0.68	23.50	1.17

	Minimum	Maximum
13 DMR QPM 03-119-⊗-#	9.55	11.70
	8.49	0.94
		0.44
		14.20
		23.50
		1.25
		1.07

Table 8: Evaluation of selected QPM inbred lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Protein	TY (g/16g N)	Kernel wt. 100	Sp. Gravity
1	DMR QPM 03-104-⊗-#	9.30	0.61	22.50	1.12
2	DMR QPM 20-20-#-#-⊗-#	10.66	0.40	20.40	1.06
3	DMR QPM 03-105-⊗	11.30	0.73	16.40	1.09
4	DMR QPM-28-5-⊗- ⊗-bulk-⊗-⊗	9.05	0.71	19.90	1.13
5	DMR QPM 03-107-⊗	10.24	0.90	16.10	1.07
6	DMR QPM 03-113-⊗	8.88	0.95	17.20	1.15
7	DMR QPM 03-121-⊗	9.59	0.75	17.20	1.14
8	DMR QPM 03-124-⊗	9.54	0.95	18.30	1.22
9	DMR QPM-56-#-⊗	8.58	0.85	19.90	1.17
10	DMR QPM-60-#-⊗	10.51	0.74	17.40	1.16
11	DMR QPM-28-3-#-⊗	10.20	0.74	17.20	1.14
12	DMR QPM 03-125-⊗	9.46	0.73	15.00	1.20
13	CML 142-#	9.53	0.99	17.60	1.17
14	CML 150-#	8.64	0.84	21.40	1.07
15	CML 175-#	10.30	0.87	20.50	1.17
16	CML 176-#	8.82	0.78	19.10	1.27
17	CML 149-#	8.96	0.87	18.70	1.25
18	CML 140-#	8.64	0.99	17.50	1.16
	Maximum	11.30	0.99	22.50	1.27
	Minimum	8.58	0.40	15.00	1.06

Table 9: Evaluation of selected QPM composite for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Protein	TY (g/16g N)	Kernel wt. 100	Sp. Gravity
1	Mod. OP X Shakti 50%-#- SN f#####	8.99	0.85	20.60	1.21
2	SO/SN Comp (ABP) SN ² CCBULK-f-#####	8.94	0.93	18.50	1.23
3	SO/SN Comp (P)(ABP) 25%-f-#####	10.43	0.58	19.50	1.23
4	SO/SN Comp. Bulk # SN ²	9.33	0.81	18.80	1.25

	Minimum	Maximum		
6.	Shakti	8.00	10.43	8.00
5.	Comp. (ESN) CC bulk 50% f-#####	9.11	8.00	10.43
	CC bulk 75% f-#####			
		0.95	21.70	18.50
		1.03	21.50	18.50
		1.03	21.70	18.50
		0.58	18.50	1.07

Table 10: Evaluation of selected white conversion lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	P 502 C1 #-315-3-1-1-B-2-6-BB X CML-142 ³ -⊗	10.03	0.94	14.00	1.16
2.	(P-25-f-118-25B)-1-B-BB-1-B-##-BBB-B-B X CML-150 ³ -⊗	8.92	0.87	18.40	1.22
3.	P43R CAMEROON X CML-150 ³ -⊗	10.78	0.50	13.60	1.13
4.	Mg-S4-11-1-B X CML-150 ³ -⊗	9.15	0.82	19.30	1.20
5.	CP 502 C1 #-342-3-3-2-5-1-B-B-B X CML-142 ³ -⊗	9.20	0.77	19.50	1.15
6.	SLW-HG 888-CDHG-3-2-2-BB-B-B X CML-142 ³ -⊗	8.53	0.75	20.90	1.04
7.	P435R-CHMERON 4-1-1-2-1-BB-1-BB-B X CML142 ³ -⊗	11.74	0.48	21.90	1.09
8.	RKMS-1-49-BY EMZ-150 ³ -⊗	9.87	0.52	22.60	1.12
9.	CML 322 X CML 150 ³ -⊗	12.92	0.41	19.80	1.16
10.	CML 216 X CML 142 ³ -⊗	11.48	0.53	19.00	1.26
11.	CML 400 X CML 150 ³ -⊗	10.85	0.53	22.30	1.11
12.	(Postaseque C3-S2)-2-1-BBBB-BB X CML 150 ³ -⊗	11.77	0.42	20.50	1.17
13.	CML 342 La Posta Sequa C3 H1-2-2-3-2-1-#-BBB x CML 150 ³ -⊗	11.08	0.39	17.90	1.19
14.	P 501 C1 3-303-1-1-2-2-1-1-BB X CML 150 ³ -⊗	10.95	0.47	20.60	1.18
	Maximum	12.92	0.94	22.60	1.26
	Minimum	8.53	0.39	13.60	1.04

Table 11: Evaluation of selected yellow conversion lines for quality analysis received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	Protein %	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	CM 111 X SO/SN ^o Comp. SN ^o CCB-50%-f-#-#-#-#	10.37	0.45	17.00	1.13
2.	CM 111 X SO/SN Camp. Category "O"-###-bulk-1-1-###-###-###	11.62	0.38	16.20	1.28
3.	CM 121 X SO/SN ^o Comp. SN ^o CCB-50%-f-#-#-#-#	12.30	0.37	31.00	1.24
4.	CM 127 X SO/SN Camp(P) Category "O"-###-bulk-1-1-###-###-###	11.63	0.41	14.30	1.14
5.	CM 129 X SO/SN Camp(P) SN ^o CCB-50%-f-#-#-#-#	12.21	0.35	16.40	1.09
6.	CM 118 X SO/SN Camp(P) SN ^o CC Bulk-50%-f-#-#-#-#	10.46	0.40	14.30	1.19
7.	CM 133 X SO/SN Camp(P) SN ^o CC Bulk-50%-f-#-#-#-#	10.46	0.55	15.70	1.05
8.	CM 295 X CML 323 X SO/SN Comp(P) Category "O"-###-bulk-1-1-#-#-#-#	9.99	0.50	13.40	1.12
	Maximum	12.30	0.55	31.00	1.28
	Minimum	9.99	0.35	13.40	1.05

Table 12: List of germplasm which have more than ≥ 9% Protein and ≥ 0.7% Tryptophan (g/16 gN) received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	Protein %	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	DMR QPM-17-#-#	9.01	0.92	15.30	1.17
2.	DMR QPM-17-#-#	10.02	0.87	16.00	1.06
3.	DMR QPM-18-#-#	9.10	0.80	15.00	1.20
4.	DMR QPM 03-108-#-B	9.00	0.74	18.00	1.20
5.	DMR QPM-18-#-#	9.70	0.76	16.10	1.07
6.	DMR QPM-58-#-#	9.98	0.86	15.10	1.20
7.	DMR QPM 03-102-#-#	9.20	0.72	16.00	1.07
8.	DMR QPM 03-105-#-#	11.30	0.73	16.40	1.09

S. No	Pedigree	% Starch	Amylose in Starch %	Amylopectin in Starch
9.	DMR QPM-28-5-⊗-bulk-⊗	9.05	0.71	19.90
10.	DMR QPM 03-107-⊗	10.24	0.90	16.10
11.	DMR QPM 03-121-⊗	9.59	0.75	17.20
12.	DMR QPM 03-124-⊗	9.54	0.95	18.30
13.	DMR QPM-80-#-⊗	10.51	0.74	17.40
14.	DMR QPM-28-3-#-⊗	10.20	0.74	17.20
15.	DMR QPM 03-125-⊗	9.46	0.73	15.00
16.	CML 142-#	9.53	0.99	17.60
17.	CML 175-#	10.30	0.87	20.50
18.	SO/SN Comp. Bulk # SN ² CC bulk 75%-f-#####	9.33	0.81	18.80
19.	##### Comp. (ESN) CC bulk 50%-f-#####	9.11	0.95	21.70
20.	P 502 C1-#-315-3-1-1-B-2-6-BB X CML-142 ² -⊗	10.03	0.94	14.00
21.	Mg-S4-11-1-B X CML-150 ² -#-⊗	9.15	0.82	19.30
22.	CP 502 C1-#-342-3-3-2-5-1-B-B X CML-142 ² -#-⊗	9.20	0.77	19.50
	Maximum	11.30	0.99	21.70
	Minimum	9.00	0.71	14.00

Table 13: Evaluation of selected high amylose lines for carbohydrate profiles received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Starch	Amylose in Starch %	Amylopectin in Starch
1.	Ae-40-1-1-B-⊗-29-#-⊗-Bulk-⊗	71.70	37.88	62.12
2.	Ae-46-4-4-B-⊗-15-#-⊗-Bulk-⊗	72.15	34.30	65.70
3.	ae-47-7-5-B-⊗-13-#-⊗-6-⊗	70.35	38.28	61.72
	Maximum	72.15	38.28	65.70
	Minimum	70.35	34.30	61.72

Table 14: Evaluation of selected waxy lines for carbohydrate profiles received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Starch	Amylose in Starch %	Amylopectin in Starch
1.	Kisan waxy Wx 2-1-6-B-B-⊗-17-#-⊗-⊗-⊗	69.40	19.19	80.81

S. No.	Pedigree	% Total Sugar
1	Masmandu (sh2 sh2)-@-@-@	6.72
2	Masmandu (sh2 sh2)-@-@-@	6.76
3	NSSW 8904 F4 (sh2 sh2)-@-@-@	8.50
4	HSSW(HS)C1 F3 (sh2 sh2)-@-@-@	6.77
5	Dulce Amanillo (Su Su)-@-@-@	16.74
6	Dulce Blanco (Su Su)-@-@-@	22.00
7	Bulk maize de PAK 1A(Su. Su)-@-@-@	24.03
8	Synthetic sweet com (Su Su)-@-@-@	17.40
9	Nam Pung (Su Su)-@-@-@	23.41
10	Pop A. (S) Co (sh2 sh2)-@-@-@	8.84
11	NSS2W 9301 A (sh2 sh2)-@-@-@	9.35
12	Sweet com-@-@-@	7.33
13	Insec 2 (KU)-@-@-@	6.74
17	Insec (KU)-@-@-@-#	9.21
	Maximum	24.03
	Minimum	6.72

Table 16: Evaluation of selected sweet corn lines for sugar estimation received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No.	Pedigree	% oil on dry basis
1	Temp x Trop High oil QPMC 14#-3#-@-@-@	5.60
2	Temp x Trop High oil QPMC 14#-4#-@-@-@	6.31
3	Temp x Trop High oil QPMC 14#-#-@-@-@-bulk-@-@	5.82
4	Temp @ HO C15#-@-@-@-@-@	6.63
	Maximum	6.63
	Minimum	5.60

Table 15: Evaluation of selected high oil lines for oil estimation received from DMR center grown at Hyderabad during Rabi, 2004-05

S. No.	Pedigree	Maximum	Minimum
2	Waxy Corn Composite-#-3-@-@-@	70.48	23.45
3	Waxy Corn-@-@-@	71.92	10.14
4	Sukhothal-1-Waxy-@-@-@	66.25	17.81
	Maximum	71.92	23.45
	Minimum	66.25	10.14

Table 17: Evaluation of QPM selected SO/SN composite set (3492-3497) 04 Bulk received from DMR, Delhi center for quality test grown at Hyderabad during Rabi, 2004-05

S. No	Pedigree	% Protein	Ty (g/16g N)	Kernel wt. 100	Sp. Gravity
DMR QPM Inbred lines set I 2004 bulk					
1.	Mod op X Shakti 50% # SN-f-8-# x SO/SN COMP (ABP) SNCC BULK f-7-# SO/SN COMP (ABP) SN CC BULK f-7-# X SO/SN COMP (P) ABP-25%-f-6-# SO/SN COMP (P) ABP- 25%-f-6-# X SO/SN COMP BULK-#-SN CC 75-f-7-# SO/SN COMP BULK-#-SN CC 75-f-7-# X COMP (ESN) CC BULK 50%-f-8-# COMP (ESN) CC BULK 50%-f-8-# x Shakti Shakti X Mod OP X Shakti 50% # SN-f-8-#	11.66	0.45	17.80	1.18
DMR QPM Inbred lines set II 2004 bulk					
2	DMR QPM-18-#-# X DMR QPM-28-#-# DMR QPM-28-#-# X DMR QPM-03-101-#-# DMR QPM-03-101-#-# X DMR QPM-03-102-# DMR QPM-03-102-#-# X DMR QPM-03-106-# DMR QPM-03-106-#-# X DMR QPM-60-#-#-# DMR QPM-20-20-#-#-# X DMR QPM-53- #-#-Bulk-# DMR QPM-53-#-Bulk- #-#-Bulk-# X DMR QPM-03-107-#	11.96	0.54	19.00	1.26
DMR QPM Inbred lines set III 2004 bulk					
3	DMR QPM-56-#-# X DMR QPM-60-#-# DMR QPM-60-#-# X DMR QPM-28-3-#-# DMR QPM-03-125-# X DMR QPM-03-121-#	11.19	0.61	17.30	1.15

DMR QPM Inbred lines set IV 2004 bulk					
4	DMRQPM-03-111# X DMRQPM-03-112# DMRQPM-03-112# X DMRQPM-03-113# DMRQPM-03-113# X DMRQPM-03-114# DMRQPM-03-115# X DMRQPM-03-116# DMRQPM-03-116# X DMRQPM-03-117# DMRQPM-03-117# X DMRQPM-03-120# DMRQPM-03-120# X DMRQPM-03-119# DMRQPM-03-119# X DMRQPM-03-111#	9.69	0.87	18.00	1.20

Table: 18 Evaluation of QPM Trial No-7 received from PAU, Ludhiana for quality test during Rabi 2004-05

S. No	Pedigree	% Protein	Try (g/16g N)	Kernel wt.	Sp. Gravity
1	S301	11.34	0.46	21.02	1.06
2	S302	10.73	0.49	28.20	1.13
3	S303	11.21	0.39	23.40	1.17
4	S303A	11.34	0.59	27.50	1.10
5	S304	8.80	0.49	31.70	1.06
6	S305	10.21	0.50	31.20	1.13
7	S306	11.14	0.46	23.60	1.18
8	S307	11.96	0.54	22.70	1.13
9	S308	12.00	0.48	27.10	1.08
	Maximum	12.00	0.59	31.70	1.18
	Minimum	8.80	0.39	21.02	1.06

S. No	Pedigree	% Protein	Try (g/16g N)	Kernel wt.	Sp. Gravity
1	DMR-141	8.70	0.55	24.20	1.21
2	DMR-142	9.91	0.47	21.20	1.21
3	DMR-143	9.88	0.54	26.00	1.18
4	DMR-144	10.76	0.46	25.70	1.28
	Maximum	10.76	0.55	26.00	1.28
	Minimum	8.70	0.46	21.20	1.21

Table: 19 Trial No-71-Z-2 set II Ludhiana for quality test 2005, Kharif

Table: 20 Evaluation of advance trial received from Ludhiana for quality test during Rabi 2004-05

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1.	125 (CMM MO 16-13-1-1-1-4-1-1-3-4-2-3-1)-1-#-2-3-1-6-3-1-1-1---	8.39	0.65	35.00	1.16
2.	(MS DRY-2-3g--X SYN PFC MS1Y-F3--)-1-1-1-2-1-1-3-1-1-1-1 X (H31 T1 X RDBBDE-2-1-3-1-1-1-2F-3-2-#-2-3-F51)1-3	8.15	0.55	28.80	1.15
3.	A670 FRYQ 26J54-2-4-2-1-1-2-F-1-2-2-3-5-1-2-#-5 X L55P1 (MSPI-25)-5-3-1-1-2-2-1-1-1-#-2-1-1-3-#-2	8.82	0.60	28.70	1.15
4.	Sheetal-⊗ b-3-#-b-1-1-1-⊗-4-1-1-1-1	9.19	0.49	25.00	1.11
5.	LM 10 X PMO 305-8-1-1-2-1-1-1-⊗-6	8.17	0.67	26.40	1.06
6.	LM 10 X EC 3833 80-8-1-⊗-b-2-1	8.39	0.55	28.00	1.12
7.	Buland	10.50	0.57	28.60	1.14
	Maximum	10.50	0.67	35.00	1.16
	Minimum	8.15	0.49	25.00	1.06

Table: 21 OPM germplasm received from DMR, Ludhiana and VPKAS, Almora for quality analysis Kharif-2005, Trial OPM-1

S. No	Pedigree	% Protein			% Try. in Protein			100 Kernel wt.			Sp. Gravity		
		Delhi	Lud.	Almora	Delhi	Lud.	Almora	Delhi	Lud.	Almora	Delhi	Lud.	Almora
1.	JF (OPM)-159	10.39	9.37	9.46	0.67	0.72	0.70	26.80	21.60	29.50	1.07	1.23	1.18
2.	JF (OPM)-160	10.05	11.54	10.59	0.66	0.64	0.64	24.70	18.70	29.30	1.10	1.25	1.17
3.	EVM-7	7.10	9.23	9.37	0.63	0.68	0.54	27.20	19.80	38.20	1.09	1.16	1.26
4.	MH OPM-05-1	6.50	10.67	10.58	0.77	0.76	0.75	29.20	23.90	31.40	1.16	1.19	1.14
5.	MH OPM-05-2	10.54	10.14	10.09	0.66	0.68	0.67	26.20	22.60	27.40	1.05	1.13	1.09
6.	MH OPM-05-3	9.16	9.24	9.75	0.63	0.67	0.69	22.30	23.40	30.20	1.16	1.17	1.20
7.	HOPM-5	9.16	9.06	10.42	0.82	0.84	0.79	22.10	19.70	31.30	1.10	1.16	1.24
8.	HOPM-6	10.29	10.27	9.83	0.63	0.69	0.65	20.80	19.10	30.90	1.04	1.27	1.06
9.	HOPM-7	9.16	9.39	9.73	0.74	0.72	0.70	20.50	23.60	30.10	1.17	1.18	1.20
CHECKS													
10.	SHAKTIMAN-1	10.62	11.70	10.80	0.70	0.68	0.74	28.40	19.30	31.10	1.13	1.28	1.13
11.	SHAKTIMAN-4	8.84	10.29	10.30	0.72	0.72	0.70	26.00	25.90	32.90	1.13	1.29	1.10
12.	SHAKTI-1	10.18	10.80	9.80	0.72	0.70	0.70	16.20	24.60	30.00	1.08	1.23	1.20
13.	HOPM-1	10.09	8.49	9.50	0.74	0.81	0.72	20.80	24.30	28.90	1.04	1.21	1.16
14.	Messum	10.62	11.70	10.80	0.82	0.84	0.79	29.20	25.90	38.20	1.17	1.29	1.26
15.	Messum	6.50	8.49	9.37	0.63	0.64	0.54	16.20	18.70	27.40	1.04	1.13	1.06

Table: 22 QPM germplasm received from DMR, Ludhiana and VPKAS, Almora for quality analysis Kharif-2005, Trial QPM-2

S. No	Pedigree	% Protein			% Try. in Protein			100 Kernel wt.			Sp. Gravity		
		Delhi	Lud.	Almora	Delhi	Lud.	Almora	Delhi	Lud.	Almora	Delhi	Lud.	Almora
1.	JH (QPM)-41	11.27	10.74	10.18	0.42	0.52	0.51	22.20	22.50	34.40	1.11	1.12	1.14
2.	DQPM C 4 (W)	8.68	8.66	8.89	0.69	0.70	0.71	21.70	23.50	31.50	1.08	1.17	1.05
3.	BQPMH-43	11.85	10.97	10.27	0.65	0.58	0.65	21.30	17.70	24.80	1.06	1.18	1.24
4.	HQPM-4	8.75	8.85	8.28	0.77	0.71	0.77	21.50	28.00	34.80	1.07	1.12	1.16
5.	HQPM-5	10.80	8.68	8.55	0.64	0.62	0.75	20.60	19.80	30.00	1.17	1.13	1.20
6.	DMRQPMH 17 X 58	11.50	10.97	10.26	0.57	0.55	0.51	16.30	21.60	35.50	1.09	1.08	1.18
7.	DMRQPMH 03-101 X DMRQPMH 17	11.00	10.46	10.36	0.57	0.58	0.54	14.80	23.40	25.60	1.14	1.17	1.28
8.	DMRQPMH 75 X DMRQPMH 17	10.13	9.82	10.00	0.73	0.73	0.68	15.20	18.20	24.10	1.17	1.21	1.20
CHECK:													
9.	SHAKTIMAN-1	10.50	11.00	10.85	0.83	0.75	0.74	27.70	18.90	23.40	1.10	1.26	1.17
10.	SHAKTIMAN-4	8.93	9.13	9.18	0.75	0.74	0.72	23.60	27.40	23.40	1.18	1.10	1.17
11.	SHAKTI-1	10.30	9.09	10.00	0.71	0.73	0.70	18.60	27.40	26.50	1.24	1.10	1.06
12.	HQPM-1	9.15	9.26	9.20	0.86	0.84	0.78	21.50	19.80	24.40	1.07	1.16	1.22
	Maximum	11.85	11.00	10.85	0.86	0.84	0.78	27.70	28.00	35.50	1.24	1.26	1.28
	Minimum	8.68	8.66	8.28	0.42	0.52	0.51	14.80	17.70	23.40	1.06	1.08	1.05

Table: 23 OPM germplasm received from DMR and Ludhiana for quality analysis Kharif-2005, Trial OPM-3

S. No	Pedigree	% Protein		% Try. in Protein		100 Kernel wt.		Sp. Gravity	
		Delhi	Lud.	Delhi	Lud.	Delhi	Lud.	Delhi	Lud.
1.	DMR OPM-41	11.90	9.28	0.67	0.70	18.40	19.40	1.23	1.29
2.	DMR OPM-42	10.61	10.21	0.69	0.68	15.10	14.90	1.20	1.24
3.	DMR OPM-43	9.90	9.65	0.60	0.64	17.10	17.90	1.14	1.19
4.	DMR OPM-44	10.78	8.86	0.61	0.56	22.40	17.30	1.12	1.15
5.	DMR OPM-45	10.22	10.59	0.70	0.70	19.60	15.00	1.25	1.20
6.	DMR OPM-46	10.21	9.63	0.69	0.67	17.80	20.60	1.18	1.18
7.	DMR OPM-47	9.90	10.05	0.62	0.65	21.60	20.70	1.08	1.18
8.	DMR OPM-48	9.50	9.63	0.79	0.77	20.00	24.00	1.14	1.20
9.	DMR OPM-49	10.28	8.52	0.63	0.62	17.00	24.20	1.13	1.21
10.	DMR OPM-50	11.65	10.56	0.58	0.59	22.80	21.60	1.14	1.08
11.	DMR OPM-51	9.72	9.15	0.60	0.59	16.90	18.50	1.13	1.23
12.	DMR OPM-52	-	9.28	-	0.70	-	21.00	-	1.20
13.	DMR OPM-53	9.34	9.48	0.72	0.71	21.60	14.10	1.08	1.13
14.	DMR OPM-54	8.67	8.93	0.71	0.72	27.30	19.80	1.09	1.13
15.	DMR OPM-55	10.03	10.06	0.73	0.75	22.20	19.10	1.11	1.27
	Maximum	11.90	10.59	0.79	0.77	27.30	24.20	1.25	1.29
	Minimum	8.67	8.52	0.58	0.56	15.10	14.10	1.08	1.08

Table: 24 Maize germplasm received from Pathology Lab. for quality test.

S. No	Pedigree	% Protein	Try (g/16g N)	100 Kernel wt.	Sp. Gravity
1	Shaktiman + Aspergillus	8.76	0.73	21.30	1.07
2	Shaktiman + Fusarium	8.60	0.66	15.90	1.06
3	Shaktiman + Aspergillus + Fusarium	12.20	0.61	20.30	1.19
4	Shaktiman + Control	9.90	0.79	29.50	1.18
5	Priya Sweet + Aspergillus	12.01	0.58	24.20	1.21
6	Priya Sweet + Fusarium	11.40	0.59	19.40	1.29
7	Priya Sweet + Aspergillus + Fusarium	12.80	0.61	14.40	1.20
8	Priya Sweet + Control	12.32	0.55	23.00	1.15
9	Nayot + Aspergillus	10.10	0.48	18.40	1.22
10	Nayot + Fusarium	10.95	0.50	17.30	1.15
11	Nayot + Aspergillus + Fusarium	10.50	0.49	15.60	1.20
12	Nayot + Control	10.40	0.47	20.40	1.20
13	Pro 311 + Aspergillus	10.20	0.54	32.50	1.08
14	Pro 311 + Fusarium	10.00	0.59	28.90	1.15
15	Pro 311 + Aspergillus + Fusarium	9.38	0.57	29.30	1.17
16	Pro 311 + Control	9.80	0.56	28.80	1.15
17	HOPM-1	9.20	0.79	20.80	1.18
18	QPM-2-136	10.32	0.68	23.00	1.15
19	Shaktiman-1	9.01	0.81	19.70	1.23
20	Shaktiman-4	8.86	0.86	23.20	1.16
21	KMH-1701	11.30	0.57	28.30	1.13
22	KH-510	12.00	0.68	22.60	1.13
23	Hm-129	11.40	0.59	18.00	1.20
24	Pro-311	9.95	0.54	25.00	1.25
25	X-3342	11.53	0.58	23.60	1.18
26	DEH-10103	9.00	0.81	21.90	1.10
27	RP-1	10.50	0.61	21.00	1.24
28	RP-2	10.01	0.53	31.00	1.24
29	RP-3	10.31	0.65	27.40	1.11
30	RP-4	9.20	0.64	22.70	1.13
	Maximum	12.80	0.86	32.50	1.29
	Minimum	8.60	0.47	14.40	1.06

Table: 25 Trial No-72 received from (VPKAS) Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora for quality test 2005, Kharif

S. No	Pedigree	% Protein	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	DMR-101	9.21	0.50	32.40	1.08
2.	DMR-102	9.99	0.54	32.50	1.08
3.	DMR-103	-	-	-	-
4.	DMR-104	8.84	0.66	27.90	1.12
5.	DMR-105	10.06	0.67	21.20	1.20
6.	DMR-106	11.72	0.55	26.00	1.30
	Maximum	11.72	0.67	32.50	1.08
	Minimum	8.84	0.50	21.20	1.30

Table: 26 Evaluation of selected QPM germplasm for quality analysis received from DBB&G, BIRSA Agricultural University, KANKE, Ranchi-6, Jharkhand during Rabi, 2004-05

S. No	Pedigree	% Protein	Try (g/16g N)	Kernel wt. 100	Sp. Gravity
1.	BVM-7 (QPM Composite Variety)	9.96	0.55	27.00	1.08