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2010-11

DIRECTORATE OF MAIZE RESEARCH
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Project Director : *Dr. R. Sai Kumar*

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RESEARCH STAFF OF AICRP ON MAIZE: (ICAR, SAUs) India 2011

S. No.	Name	Designation	Discipline	Email	Mobile
Directorate of Maize Research, Pusa Campus, New Delhi-110012 Ph. +91-11-25841805, 25842372, 25849725 Fax.+91-11-25848195 Website-www.maizeindia.org E-mail: maizeindia@gmail.com, pdmaize@gmail.com, dirdmr@icar.org.in					
1.	Dr. Ramanujam Sai Kumar	Director	Plant Breeding	r saikumar@rediffmail.com pdmaize@gmail.com	+91-9868841805
2.	Dr. Sangit Kumar	Principal Investigator	Plant Pathology	sangitk@icar.org.in kumar_sangit@yahoo.co.in	+91-9899235389
3.	Dr. Pradyumn Kumar	Principal Investigator	Entomology	pradyumnk@icar.org.in pradyumn.kumar@gmail.com	+91-9868112000
4.	Dr. Vinay Mahajan	Principal Scientist	Plant Breeding	vinaym@icar.org.in vinmaha9@gmail.com	+91-9999237696
5.	Dr. K.S. Hooda	Principal Scientist	Plant Pathology	kshooda@icar.org.in hoodaks@gmail.com	+91-9958520601
6.	Dr. Ashok Kumar	Principal Scientist	Agronomy	ashok_agro@iari.res.in akagronomy@gmail.com	+91-9868141488
7.	Dr. Jyoti Kaul	Senior Scientist	Plant Breeding	jkaul@ icar.org.in kauljyoti1@yahoo.co.in	+91-9350588827
8.	Dr. Ishwar Singh	Senior Scientist	Plant Physiology	ishwar@icar.org.in isingh.dmr@gmail.com	+91-9968449332
9.	Dr. Meena Shekhar	Senior Scientist	Plant Pathology	mshekhar@icar.org.in shekhar.meena@gmail.com	+91-9968010340
10.	Dr. M.L. Jat	Senior Scientist	Agronomy	jat_ml@yahoo.com	
11.	Dr. Aditya Kumar Singh	Principal Investigator	Agronomy	aditya_jadon@yahoo.co.in	+91-8447292164
12.	Dr. V.K. Yadav	Senior Scientist	Agril. Extension	vkyadav@icar.org.in vkyadavdmr@rediffmail.com	+91-9868057203
13.	Dr. Dharam Paul	Senior Scientist	Biochemistry	dpaul@icar.org.in chaudharydp@gmail.com	+91-9013247427
14.	Dr. K.P. Singh	Scientist(SS)	Computer Appication	kpsingh@icar.org.in kpskhokhar@hotmail.com	+91-9868028572
15.	Dr. Nirupma Singh	Scientist	Plant Breeding	nirupma@icar.org.in nirupmasingh@rediffmail.com	+91-9868822174
16.	Dr. Avinash Singod	Scientist	Plant Breeding	asingode@icar.org.in avinash.singode@gmail.com	+91-9968817793
17.	Dr. C.M. Parihar	Scientist	Agronomy	cmparihar@icar.org.in pariharcm@gmail.com	+91-9013172214

18.	Dr. Chikkappa G. Karjagi	Scientist	Plant Breeding	chikkappagk@gmail.com	+91-9868065524
19.	Ms. Suby S.B.	Scientist	Entomology	subysb@icar.org.in subysb@gmail.com	+91-9968254426
20.	Mr. Manivannan A.	Scientist	Genetics	manivannana@ icar.org.in mani_gene@rediffmail.com	+91-9968254426
21.	Dr. R. Ambika Rajendran	Scientist	Plant Breeding	arajendra@ icar.org.in rambikarajendran@gmail.com	+91-9958682271
22.	Dr. Shankar Lal Jat	Scientist	Agronomy	sljat@icar.org.in sliari@gmail.com	+91-9953009711
23	Ms. Sapna	Scientist	Biochemistry	singh.sapna06@gmail.com	+91-9250684482
24	Mr. Bhupender Kumar	Scientist	Plant Breeding	bhupender.iari@gmail.com	+91-9555195169
25	Mr. Vishal Singh	Scientist	Plant Breeding	vishaliari.singh@gmail.com	+91-9953303479
26	Mr. Yathish K. R.	Scientist	Genetics	yathi.chinni@gmail.com	+91-8130447123
Maize Winter Nursery, Rajendra Nagar, Hyderabad-500030. Tel. 040-24018457, Fax. 040-24016810					
1.	Dr. J.C. Sekhar	Principal Scientist & I/c	Entomology	jcswnc@rediffmail.com	+91-9908600340
2.	Dr. Laxmi Saujanya	Scientist	Entomology	soujanyak.scientist@gamil.com	+91-8008607373
Regional Maize Research & Seed Production Centre Kushmahout Farm, Begusarai (Bihar) Tel. 06243-215254					
1.	Dr. Ramesh Kumar	Senior Scientist & I/c	Plant Breeding	rk_phagna@rediffmail.com	+91-8298521161
1. Almora (Uttarakhand) **Crop Improvement Division, VPKAS Almora, Uttarakhand –263601.** **Ph No: 05962-230130**					
1	**Dr. P. K. Agrawal**	**Principal Scientist & I/c**	**Plant Breeding**	**pawancrri@yahoo.co.in**	**+91-9411525150**
2	Dr. S. K. Jha	Scientist	Plant Breeding	jhashail78@gmail.com	+91-9557935491
3	Dr. Dibakar Mahanta	Scientist	Agronomy	send2mahanta@gmail.com	+91-9456108508
4	Dr. Chandrashekara C.	Scientist	Plant Pathology	chandrupath@gmail.com	+91-9557935569
2. Ambikapur (M.P.) **RMD College of Agriculture and Research Station, Ajimma, Ambikapur, Surguja-497001 (M.P.)** **Phone (Office): 07774- 232815 Fax (Office): 07774- 232986**					
1	**Sh. S. K. Sinha**	**Asst. Breeder & I/c**	**Plant Breeding**	**santoksinha@yahoo.co.in**	**+91-9424250671**
2	Dr. A. K. Sinha	Asst.Agronomist	Agronomy	amitsinhaagri@yahoo.co.in	+91-9425581765
3. Arabhavi (Karnataka) **Agriculture Research Station, Arbhavi-591306, Belgaum (Karnataka)**					

Phone (Office) 08332-293189 Fax (Office) 08332-284408					
1	**Dr. Mruthunjaya C. Wali**	**Senior Breeder & I/c**	**Plant Breeding**	**mcwa_61@rediffmail.com, ars_arabhavi@rediffmail.com**	**+91-9480432624**
2	Dr. R.M. Kachapur	Asst. Breeder	Plant Breeding	agri_rajmk@rediffmail.com, rajashekhar.kachapur@gmail. com	+91-9481854442
3	Dr. C.P. Chandrashekhar	Agronomist	Agronomy	cpcshekar@yahoo.com, cpshekar@gmail.com	+91-9986661428
4	Dr. V.R. Kulkarni	Asst. Pathologist	Pathology	venkatesh_29@rediffmail.com	+91-9480323430
4. Bajaura (H.P.) **CSKHPKV, HAREC, Bajaura- 175 125 Distt. Kullu (Himachal Pradesh)** **Phone (Office): 01905 287235 Fax (Office): 01905 287236**					
1	**Dr. D. R. Thakur**	**Senior Agronomist & I/c**	**Agronomy**	**thakur.dr@rediffmail.com**	**+91-9418183548**
2	Dr. S. K. Guleria	Breeder	Breeding	skg0612@rediffmail.com	+91-9418118538
3	Dr. S. Verma	Senior Breeder	Breeding	-	-
4	Dr. R. Devlash	Asst. Pathologist	Pathology	rdevlash@yahoo.in	+91-9418482888
5. Bahraich (U.P.) **Crop Research Station, NDUA&T, Bahraich-271801(UP)**					
1	**Dr. Prem Kumar**	**Breeder & I/c**	**Breeding**	**-**	**+91-9451520931**
2	Dr. B.N. Mishra	Agronomist	Agronomy	-	+91-9450429758
6. Barapani (Meghalaya) **ICAR Research Complex for NEH Region, Umaim Meghalaya** **Fax (Office): 03642570355**					
1	**Ramya. K.T**	**Scientist**	**Plant Breeding**	**ramya.gpb@gmail.com**	**+91-9863355932**
2	Abdul Fiyaz R	Scientist	Plant Breeding	genefiyaz@rediffmail.com	+91-9863315157
7. Banswara (Rajasthan) **Agricultural Research Station, Borwat Farm, Dahot Road, Banswara (Rajasthan), Pin -327001,** **Phone (Office): 02962-260070 Fax (Office): 02962-260013**					
1	**Dr. Rajesh Pandya**	**Breeder & I/c**	**Breeding**	**rajesh05pandya@yahoo.com**	**+91-9414474186**
2	Dr. Hargilas	Asst. Agronomist	Agronomy	hargilasm73@gmail.com hargilasagro@indiatimes.com	+91-9413044271
8. Bhubaneswar (Orissa) **Department of Plant Breeding & Genetic , College of Agriculture, OUAT, Bhubaneswar-751003,Odisha** **Phone (Office): 0674-2397818, 2397919 & 2397669 Ext-140 Fax (Office): 0674-2397780**					
1	**Dr. Dev Raj Lenka**	**Breeder & I/c**	**Plant Breeding**	**devraj_lenka@yahoo.com**	**+91-9437232175**
2	Mrs Pramila Naik	Jr. Agronomist	Agronomy	-	+91-9437326993
9. Chhindwara (M.P.)					

JNKVV, Zonal Agriculture Research Station, Chhindwara-480001 (M.P.) Phone (Office): 07162-225560/225089					
1	**Dr. R.K. Reddy**	**Station I/c**	**Plant Breeding**	**-**	**+91-9425831964**
2	Dr. V.K. Paradkar	Agronomist	Agronomy	paradkarvkp@yahoo.co.in	+91-9425461748
10. Coimbatore (Tamil Nadu) Department of Millets, Centre for Plant Breeding & Genetics, Tamil Nadu Agricultural University, Coimbatore-641003. Phone (Office) : 0422-2450507 Fax : 0422-2450507					
1	**Dr.G.Nallathambi**	**Breeder & I/c**	**Breeding**	**nthambi2002@yahoo.co.in**	**+91-9486913279**
2	Dr. V. Paranidharan	Asst. Pathologist	Plant Pathology	agriparani@yahoo.com	+91-9486587939
11. Delhi (IARI) Indian Agriculture Research Institute Pusa, New Delhi -12 Ph.No: 011-25841077					
1	**Dr. R. N. Gadag**	**Senior Scientist**	**Breeding**	**rn_gadag@yahoo.com**	**+91-9810702212**
2	Dr. Ashok Kumar	Senior Scientist	Agronomy	ashok_agro@iari.res.in	+91-9868141488
3	Dr. Robin Gogoi	Principal Scientist	Pathology	r.gogoi@rediffmail.com	+91-9868148903
4	Dr. T. Nepolean	Senior Scientist	Breeding	tnepolean@gmail.com	+91-8800707249
5	Dr. Firoz Hossain	Senior Scientist	Breeding	fh_gpb@yahoo.com	+91-9811727896
6	Dr. Jayant Bhat	Senior Scientist	Breeding	jsbhat73@gmail.com	+91-9013555743
12. Dholi (Bihar) Tirhut College of Agriculture, Dholi, Bihar Tel.: 0621-2293227					
1	**Dr. Martunjay Kumar**	**Agronomist & I/c**	**Agronomy**	**-**	**+91-9431245709**
2	Dr. Ajay Kumar	Breeder	Breeding	drajaymuz@rediffmail.com	+91-9430459955
3	Mr. Tanveer Alam	Entomologist	Entomology	-	-
4	Mr. Dinesh Rai	Pathologist	Pathology	-	-
5	Dr. (Mrs.) Usha Singh	Nutritionist	Nutrition	usha_pusa@yahoo.co.in	+91-9431897515
13. Godhara (Gujrat) Main Maize Research Station, Anand Agricultural University, Godhra, Panchmahals - 389 001 (Gujarat) Phone (Office) (02672) - 265852 Fax (Office) (02672)-265237					
1	**Dr. Dinesh B. Patel**	**Research Scientist & I/c**	**Breeding**	**rsmaize@gmail.com**	**+91-9909382627**
2	Dr. S. M. Khanorkar	Sr. Breeder	Breeding	subhkhanorkar@yahoo.com	+91-9904238359
3	Shri K. H. Patel	Asst. Breeder	Breeding	-	+91-9428132188
4	Dr. U. M. Patel	Asst. Res. Scientist	Agronomy	-	+91-9426531987

14. Gossaigaon (Assam)

Regional Agricultural Research Station, Gossaigaon, AAU, Telipara Dist. Kokrajhar – 783360 (Assam)
Phone: 03669-292707 Email: rsrgossaigaon@gmail.com

1	**Dr. NS Barua**	**Breeder & I/c**	**Plant Breeding**	**nsbarua63@yahoo.co.in**	**+91-9435352796**
2	Dr. Mrinal Saikia	Senior Scientist	Agronomy	msaikia@rediffmail.com	+91-9435091910

15. Hyderabad (A.P.)

Maize Research Centre, ARI, ANGRAU, Rajendra Nagar, Hyderabad - 500 030
Phone (Office): 040-24018447 Fax (Office):040-24016810

1	**Dr.R.Ranga Reddy**	**Principal Scientist & I/c**	**Plant Pathology**	**reddy_3r@yahoo.com**	**+91-8008123671 +91-9963488844**
2	Dr.T.Pradeep	Principal Scientist	Breeding	tekalepradeep@yahoo.com	+91-9441374391
3	Dr.M.R.Sudarshan	Principal Scientist	Breeding	mrsudarshan44@yahoo.in	+91-9441510451
4	Dr.V. N. Reddy	Senior Scientist	Breeding	narsimhareddyvanga@yahoo.com	+91-9440302931
5	Sri.K.Murali Krishna	Scientist	Breeding	kmurali73@yahoo.com	+91-9490213941
6	Smt.D.Sreelatha	Scientist	Agronomy	sreedogga@yahoo.co.in	+91-9849379930
7	Dr.Y.Siva Lakshmi	Scientist	Agronomy	sivayattapu@yahoo.com	+91-9949190389
8	Dr.M.Anuradha	Senior Scientist	Entomology	kasuanu@yahoo.com	+91-9440488602

16. Jhabua (M.P.)

Zonal Agricultural Research Station, RVSKVV, Jhabua (M.P.)
Phone (Office): 07392-244367 Fax (Office): 07392-244367

1	**Dr. Mahender Singh**	**Subject Matter Specialist**	**Agronomy**	**msjadon2000@rediffmail.com**	**+91-9993970987**
2	Dr. R.K. Yadav	Subject Matter Specialist	Plant Pathology	rkyadavrca@rediffmail.com	+91-9425711222

17. Kangra (H.P.)

Shivalik Agricultural Research and Extension Centre, Kangra-176001, CSKHPKV (H P)
Phone (Office) 01892-265685 Fax (Office) 01892-265685

1	**Dr. K.S Thakur**	**Station Incharge and Agronomist**	**Agronomy**	**thakur.ksp@rediffmail.com**	**+91-9418462045**
2	Dr. Uttam Chandel	Assistant Breeder	Breeding	uttam_chandel@yahoo.co.in	+91-9459200240
3	Dr. B. S. Mankotia	Associate Professor	Agronomy	bsmankotia@gmail.com	+91-9459083612
4	Dr. Akhilesh Singh (Dhaulakuan)	Professor	Pathology	asingh1962@rediffmail.com	+91-9418741695

18. Kanpur (U.P.)

Department of genetics and Plant Breeding, C. S. Azad University of Ag. & Tech. , Kanpur-208002 (U.P.)

Fax No.- 0512-2535808 Phone No.-0512-2534165 Director Res.-0512-2534055					
1	**Dr. K.C. Arya**	**Officer Incharge**	**Agronomy**	**-**	**+91-9415161749**
2	Dr. H.C.Singh	Maize Breeder	Breeding	-	+91-9450131209
3	Dr.S.K.Singh	Maize Breeder	Breeding	sanjay_edu@rediffmail.com	+91-9935169405
19. **Karimnagar (A.P.)** **Agricultural Research Station, Karimnagar, ANGRAU (AP) - 505 001** **Phone (Office) +918782000605 Fax (Office) +918782265512**					
1	**Dr.G.Manju Latha**	**Senior Scientist & Head**	**Agronomy**	**manju_ars@yahoo.com**	**+91-9440415134**
2	Dr. T. Shobharani	Scientist & I/C	Plant Breeding	shobhamao@yahoo.co.in	+ 91-9989992567
3	Mrs. K. Sumalini	Scientist	Plant Breeding	sumalinikatragadda@gmail.com	+91-8121001405/ +91-9440768783
20. Karnal (Haryana) **CCS HAU RRS Uchani, Karnal- 132001** **Phone (Office): 0184-2667857 Fax(Office): 0184-2267499**					
1	**Dr. J. C. Mehla**	**Regional Director & I/c**	**Entomology**	**karnalmaize@gmail.com**	**+91-9416325003**
2	Dr. M. C. Kamboj	Asst. Maize Breeder	Breeding	kambojmehar@gmail.com	+91-9813173105
3	Sh. Narender Singh	SrTA	Agronomy	narendersingh.bagri@gmail.com	+91-9729089875
4	Dr. Rakesh Mehra	Pathologist (addl. charge)	Plant Pathology	rmehra@hau.ernet.in	+91-9812256753
21. Kolhapur (Maharashtra) **Maharashtra Shahu Agricultural School Campus, Line Bazar Kasba-Bawada, Kolhapur-4166003 (Maharashtra) Phone (Office): (0231) 2601115 Fax (Office): (0231) 2601115**					
1	**Prof. S. R. Kulkarni**	**Breeder & I/c**	**Breeding**	**sanjaykulkarni1956@rediffmail.com**	**+91-9850042543**
2	Dr. U. M. Borle	Asst.Breeder	Breeding	umborle@yahoo.com	+91-8087356654
3	Prof. P. H. Deshmukh	Asst.Agronomist	Agronomy	phd17166@gmail.com	+91-9850660526
4	Mr. S. S. Mahadik	Asst. Entomologist	Entomology	sushants.mahadik@gmail.com	+91-7588577121
22. Lamphel (Manipur) **ICAR Research Complex for NEH, Imphal Centre, Lamphel, Manipur- 795001**					
1	Dr. I.	Seed Technologist	Seed Technology	meghais@rediffmail.com	+91-9436027223

	Meghachandra Singh				
	23. Ludhiana (Punjab) **Maize Section, Deptt. of Plant Breeding, Genetics & Biotech, P.A. U. Ludhiana-141004 (Punjab)** **0161-2401960 (Ext 437) Fax (Office) +91-9463641071**				
1	**Dr. SPS Brar**	**Breeder & I/c**	**Plant Breeding**	**maizepau@hotmail.com**	**+91-9463641071**
2	Dr. Sukhchain Singh	Sr. Breeder	Plant Breeding	sukhchain13@rediffmail.com	+91-9501016407
3	Dr. Maninder Singh	Sr. Breeder	Plant Breeding	manindermaize@yahoo.com	+91-161-517160
4	Dr. Gurjit Kaur	Maize Breeder	Plant Breeding	gillmaize@yahoo.co.in	+91-8146902244
5	Dr. Mahesh Kumar	Asst. Agronomist	Agronomy	maheshkumarvats@yahoo.co.in	+91-9417602257
6	Dr. Naveen Aggarwal	Asst. Entomologist	Entomology	maizepau@hotmail.com	+91-9463145100
7	Dr. Nirmal Singh	Asst. Entomologist	Entomology	nirmalhari1978@yahoo.com	EOL
8	Dr. Jawala Jindal	Asst. Entomologist	Entomology	jindal_ento@pau.edu	Study leave
9	Dr. Harleen Kaur	Asst. Pathologist	Plant Pathology	harleen_pau@yahoo.co.in	Study leave
	24. Mandya (Karnataka) **Zonal Agricultural Research Station, V.C. Farm, Mandya (Karnataka)** **Phone (Office): 08232-277960 & 277955 Fax (Office: 08232-277954**				
1	**Dr. K.T.Pandurange Gowda**	**Professor & I/c**	**Plant Pathology**	**pandu2049@yahoo.com**	**+91-8232-277960** **+91-9448247848**
2	Dr. Puttaramanaik	Breeder	Breeding	putnic_vcf@rediffmail.com	+91-8232-277955 +91-9449081431
3	Dr.T.A.Sreerama Setty	Professor	Pathology	tas.setty@gmail.com	+91-8232-277955 +91-9449177138
4	Mrs. D. Shobha	Asst. Nutritionist	Food Science and Nutrition	shobhagd@rediffmail.com	+91-8232-277955 +91-9880223241
	25. Pantnagar (Uttarakhand) **Department of Genetics and Plant Breeding, College of Agriculture, G. B. Pant University of Agriculture & Technology, Pantnagar- 263145 (Udhamsingh Nagar) Uttarakhand** **Phone (Office): 05944-235473 Fax (Office): 05944-235473/233473**				
1	**Dr. Pradeep Kumar**	**Station Incharge**	**Pathology**	**pradeepguptaachieve@gmail.com**	**+91-9412121099**
2	Dr. S. S. Verma	Senior Breeder	Breeding	sitarverma@yahoo.com	+91-9412120691
3	Dr. N. K. Singh	Breeder	Breeding	narendraksingh2@rediffmail.com narendraksingh2@gmail.com	+91-9412909645
4	Dr. D. C. Baskheti	Asst. Breeder	Breeding	dcbaskheti@yahoomail.com	+91-9412120982
5	Dr. M. S. Pal	Senior	Agronomy	profmspal@yahoo.com	+91-9457407465

		Agronomist			
6	Dr. Amit Bhatnagar	Asst. Agronomist	Agronomy	bhatnagaramit75@gmail.com	+91-9411159845
7	Dr. R. P. Singh	Pathologist	Plant Pathology	rajesh_p_singh@rediffmail.com	+91-9997340914
8	Dr. Veer Singh	Asst. Soil Scientist	Soil Science	veer1969_singh@yahoo.co.in	+91-9837649644
	26. Ranchi (Jharkhand) **Deptt. of Plant Breeding & Genetics, BAU, Kanke, Ranchi- 834 006 (Jharkhand)**				
1	**Dr. (Ms) M. Chakraborty**	**Asst. Breeder**	**Plant Breeding**	**manigopa291061@yahoo.com**	**+91-9431594011**
2	Dr. CS Singh	Asst. Agronomist	Agronomy	chandra_ssingh@yahoo.com	+91-9431314755
3	Dr. H.C. Lal	Jr. Pathologist	Pathology	hclal_bau@rediffmail.com	+91-9431901395
	27. Senapati (Manipur) **KVK Sylvan, Hengbun PO Kangpokri, Senapati, Manipur- 7795129**				
1	Dr RK Imotomba Singh	Programme coordinator		sylvankvk@rediffmail.com	+91-9436020718
	28. Srinagar (J&K) **KD Research Station, S.K.U.A.&T., Post Box.905, Srinagar-190001 (J&K)** **Phone (Office) 0194-2305084 Fax (Office) 0194-2305084**				
1	**Dr F A Nehvi**	**Professor & I/c**	**Breeding**	**f.nehvi@rediffmail.com**	**+91-9419974563**
2	Dr Ajaz Ahmad Lone	Jr. Scientist	Breeding	ajaz999@gmail.com ajazlone@yahoo.co.uk	+91-9419783406
3	Dr Bashir Ahmad Alaie	Jr. Scientist	Agronomy	baelahi@gmail.com	+91-9419461009
	29. Udhampur (J&K) **Maize Research Centre (AICRP), SKUA & T-J, Sansoo, Behind 71 Sub Area Officers Mess, Via P.O. Garhi, Udhampur, J & K**				
1	**Shri Akhil Verma**	**Agronomist and I/c**	**Agronomy**	**akhilverma1974@gmail.com**	**+91-9858507744**
2	Dr. R. S. Sudan	Breeder	Plant Breeding	rssudanudh@rediffmail.com	+91-9419159975
	30. Udaipur (Rajasthan) **MPUA&T, RCA, Udaipur-313001, Rajasthan** **Phone (Office): 0294-2423119 Fax (Office): 0294-2420447**				
1	**Dr. R. B. Dubey**	**Breeder & I/c**	**Breeding**		**+91-9694383617**
2	Dr. Dilip Singh	Agronomist	Agronomy	dilipagron@gmail.com	+91-9414736598
3	Dr. Mukesh Vyas	Asst. Breeder	Breeding	vyas.mukesh66@gmail.com	+91-9251459820
4	Dr. B.L.Baheti	Nematologist	Nematology	blbaheti@gmail.com	+91-9413024863
5	Dr. S.S. Sharma	Maize Pathologist	Plant Pathology	sharmass-9@yahoo.co.in	+91-9414168590
6	Dr. R.N. Bunker	Asst. Pathologist	Plant Pathology	rnbunker@yahoo.co.in	+91-9414926892
7	Dr. N.K. Bajpai	Entomologist	Entomology	nkbajpai2005@yahoo.co	+91-8058598235

	31. Vagarai (Tamil Nadu) **Maize Research Station, Tamil Nadu Agricultural University, Vagarai – 624613** **Phone (Office):04545 – 292900/ 267373**				
1	**Dr.A.Yuvaraja**	**Asst. Professor**	**Breeding**	**yugenetics@yahoo.com**	**+91-9751133143**
2	Dr.R.Karthikeyan	Asst. Professor	Agronomy	agrikarthi@yahoo.co.in	+91-9488491939
	32. Varanasi (U.P.) **Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221 005 UP** **Phone (Office): 0542-6702393 ,0542-6702559 Fax (Office): 0542-2369971, 0542-2368993**				
1	**Dr. J.P. Shahi**	**Prof. cum Sr. Breeder**	**Plant Breeding**	**jpshahi1@yahoo.com** **jpshahi@bhu.ac.in**	**0542-6702559 (0)** **0542-2575555®** **+91-9415644490**
2	Dr. K Srivastava	Asso. Professor	Plant Breeding	karstav@yahoo.com	+91-9450388636
3	Dr. R. N. Singh	Sr. Agronomist	Agronomy	rnsingh.agro@rediffmail.com	+91-9792795906

SUMMARY

Directorate of Maize Research (DMR) conducts multi-location and multi-disciplinary trials under All India Coordinated Research Project (AICRP) on maize during two seasons (*Kharif* and *Rabi*). The maize area under rabi season in India has increased more than doubled (0.547mha to 1.198mha) during last 14-15 years (1996-97 to 2009-10). On the contrary during the same period the productivity of rabi maize has increased very slowly from 2.9t/ha to 3.6t/ha. Therefore, further increase in production and productivity of maize during rabi season requires development and release of productive hybrids which can suit for rabi seasons across different agro-climatic conditions of the country. The salient results of the rabi 2009-10 trials are presented in the present text under different disciplines.

Breeding:

In breeding six trails were constituted during Rabi 2010-11 which includes two trials each in IET (late and medium) and AET I (late and medium-early) and one each in AET II (late-medium) and QPM 1-3. In total 81 entries were evaluated against 11 national checks; the entries includes 45 in trial 1 (IET-late), 17 in trial 2 (IET-medium), 8 in trial 4 (AET I-late), 3 in trial 5-6 (AET I-medium + early), 4 in trial 7-8 (AET II- late + medium) and 4 in QPM 1-3. Out of which 42 entries were promoted from IET to AET I and 7 entries were promoted from AET I to AET II.

Agronomy:

The performance of test entry VEHQPM 3018 was superior at Bahraich (Z-III) and Karnal (Z-I) over the best check. At Karnal (Z-I), Kolhapur, Arabhavi and Hyderabad (Z-IV) yield performance of KMH-Super 244 was superior over best check while KMH-25K55 was out yielded at Arabhavi and Hyderabad (Z-IV). The genotype Bisco-506 performed better over best check at Bahraich, Karnal and Varanasi while KMH-3669 was inferior at all the locations. Response of maize genotype to $N:P_2O_5:K_2O$ levels (200:80:80) was significantly higher over 100:50:50 at all the locations which was also on par to 150:65:65 at Banswara, Kolhapur, Karnal, Varanasi and Ludhiana and significantly higher at all other locations.

Entomology:

Out of 28 maize germplasms screened under artificial infestation of stem borer, *C. partellus*, at Kolhapur, 4 (Four) entries viz.: DMR-1102 (2.00), DMR -1109 (2.00), DMR – 1124 (2.80) and DMR – 1128 (2.50) were found to be the least susceptible. The remaining 14 (fourteen) entries were found to be moderately susceptible. However, remaining 10 (ten) entries were found to be highly susceptible the stem borer infestation.

At Hyderabad 12 germplasm were screened for *Sesamia inferens,* out of which five were found to be least susceptible, four moderately susceptible and three most susceptible. Phenotypic characterization six lines tolerant to Pink borer (*Sesamia inferens* Walker) was done as per DUS guidelines at WNC, DMR, Hyderabad 2010-11

Pathology:

During Rabi 2010-11, various maize genotypes were screened and evaluated against various diseases viz Turcicum Leaf Blight (TLB), Sorghum Downy Mildew, (SDM), and Post Flowering Stalk Rots (PFSR) in one coordinated trial at six hot spot locations of AICRIP centre (Mandya, Dholi, Coimbatore & Arbhavi) under artificial epiphytotic conditions.

In maize genotypes evaluation program, single genotypes NMH-920 showed tolerant reaction against TLB and resistant against PFSR. Two genotypes RJMH-2 BY and NK 6607 were found resistant against TLB at Mandya and Dholi whereas KMH-Super 244 and NMH-920 were tolerant against this disease. Some promising genotypes *viz* PRO 380, BP-001, BP-002, BP-003, BP-004, BP-005, KH-274 and Bio-151 were resistant to SDM. Promising against PFSR were NMH-920 and X-915.

TRIAL NO. 1 (IET (L))

TRIAL NO 1	LATE MATURITY (ALL ZONES)
YEAR&SEASON	2010-2011 RABI
NO. OF ROWS	2
ROW LENGTH	4 M
NO. OF REPLICATION	3
LOCATION	19

LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	**PEDIGREE**	**PEDIGREE CODE**	**ORIGIN**	**R1**	**R2**	**R3**
1	CMH08-259	DMR - 101	TNAU, Coimbatore	1026	1064	1132
2	KNMH-401091	DMR - 102	ARS, Karimnagar	1042	1068	1129
3	KNMH-4010131	DMR - 103	ARS, Karimnagar	1016	1053	1127
4	X35A027	DMR - 104	PHI Seeds Private Ltd.	1009	1085	1125
5	X35B336	DMR - 105	PHI Seeds Private Ltd.	1010	1049	1103
6	X35B337	DMR - 106	PHI Seeds Private Ltd.	1030	1054	1141
7	KMH-2700	DMR - 107	Kaveri Seed Company Limited	1024	1093	1124
8	KMH-2689	DMR - 108	Kaveri Seed Company Limited	1028	1092	1144
9	JH 100A	DMR - 109	PAU, Ludhiana	1035	1073	1119
10	JH 115	DMR - 110	PAU, Ludhiana	1022	1095	1123
11	JH 143	DMR - 111	PAU, Ludhiana	1032	1063	1133
12	JH 199	DMR - 112	PAU, Ludhiana	1036	1072	1097
13	JH 200	DMR - 113	PAU, Ludhiana	1006	1067	1128
14	JH 210	DMR - 114	PAU, Ludhiana	1014	1084	1122
15	JH 216	DMR - 115	PAU, Ludhiana	1018	1091	1130
16	A 7503	DMR - 116	Advanta	1031	1078	1100
17	PRO 380	DMR - 117	Bayer Bioscience Pvt. Ltd.	1048	1081	1121
18	PRO 381	DMR - 118	Bayer Bioscience Pvt. Ltd.	1029	1061	1138
19	HKH 402	DMR - 119	CCS HAU, RRS, Uchani	1037	1090	1101
20	HKH 408	DMR - 120	CCS HAU, RRS, Uchani	1019	1079	1134
21	Seedtec 2324 (C)	DMR - 121	Bisco Bio Science Pvt. Ltd.	1020	1059	1104
22	Buland (C)	DMR - 122	PAU, Ludhiana	1047	1080	1108
23	HM 11 (C)	DMR - 123	HAU, Uchani, Karnal	1027	1056	1105
24	DMH 117	DMR - 124	ANGRAU, Hyderabad	1012	1050	1098
25	NMH-731	DMR - 125	Nuziveedu Seeds Pvt Ltd	1007	1071	1118
26	NMH-713	DMR - 126	Nuziveedu Seeds Pvt Ltd	1005	1051	1131
27	NMH-920	DMR - 127	Nuziveedu Seeds Pvt Ltd	1039	1066	1106
28	NMH-666	DMR - 128	Nuziveedu Seeds Pvt Ltd	1046	1060	1112
29	RJMH-2020	DMR - 129	RJ Biotech Pvt Ltd,	1004	1058	1107
30	RJMH-2 by 1	DMR - 130	RJ Biotech Pvt Ltd,	1033	1094	1142
31	Asha	DMR - 131	RJ Biotech Pvt Ltd,	1017	1057	1126
32	BP-001	DMR - 132	Tanindo Seed Private Limited	1034	1065	1110
33	BP-002	DMR - 133	Tanindo Seed Private Limited	1011	1083	1120
34	BP-003	DMR - 134	Tanindo Seed Private Limited	1043	1075	1116
35	BP-004	DMR - 135	Tanindo Seed Private Limited	1038	1089	1114
36	BP-005	DMR - 136	Tanindo Seed Private Limited	1023	1070	1099
37	BP-006	DMR - 137	Tanindo Seed Private Limited	1041	1096	1137
38	BP-008	DMR - 138	Tanindo Seed Private Limited	1008	1055	1102
39	KH-274	DMR - 139	Kanchan	1003	1082	1140
40	NK 6607	DMR - 140	Syngenta	1002	1052	1113
41	S 7700	DMR - 141	Syngenta	1045	1074	1111
42	S 7720	DMR - 142	Syngenta	1025	1088	1139
43	Bisco X9	DMR - 143	Bisco Bio-science (P) Ltd.	1044	1087	1143
44	Bisco X 5129	DMR - 144	Bisco Bio-science (P) Ltd.	1001	1086	1136
45	Bisco New 704	DMR - 145	Bisco Bio-science (P) Ltd.	1013	1069	1135
46	CMH08-239	DMR - 146	TNAU, Coimbatore	1021	1077	1109
47	CMH08-282	DMR - 147	TNAU, Coimbatore	1040	1062	1117
48	CMH08-287	DMR - 148	TNAU, Coimbatore	1015	1076	1115

TRIAL NO. 2 (IET (M))

TRIAL NO 2	MEDIUM MATURITY (ALL ZONES)
YEAR&SEASON	2010-2011 RABI
NO. OF ROWS	2
ROW LENGTH	4 M
NO. OF REPLICATION	3
LOCATION	19

LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	**PEDIGREE**	**PEDIGREE CODE**	**ORIGIN**	**R1**	**R2**	**R3**
1	X-915	DMR -201	Kanchan	2020	2024	2058
2	KH-B 52	DMR -202	Kanchan	2004	2026	2050
3	CMH08-284	DMR -203	TNAU, Coimbatore	2005	2036	2052
4	CMH08-292	DMR -204	TNAU, Coimbatore	2016	2038	2046
5	CMH08-350	DMR -205	TNAU, Coimbatore	2008	2033	2043
6	CMH08-432	DMR -206	TNAU, Coimbatore	2019	2023	2055
7	KMH-5050	DMR -207	Kaveri Seed Company Limited	2012	2037	2061
8	NMH-1242	DMR -208	Nuziveedu Seeds Pvt Ltd	2018	2025	2045
9	Bio 151	DMR -209	Bioseed Research India Private	2010	2034	2063
10	MMH-09-11	DMR -210	TCA, Dholi	2014	2035	2053
11	MMH-09-12	DMR -211	TCA, Dholi	2002	2027	2051
12	MMH-09-13	DMR -212	TCA, Dholi	2009	2040	2048
13	MMH-09-14	DMR -213	TCA, Dholi	2007	2032	2044
14	MMH-09-15	DMR -214	TCA, Dholi	2015	2030	2056
15	HKH 308	DMR -215	CCS HAU, RRS, Uchani	2011	2039	2062
16	BIO 9637	DMR -216	Bioseed Research India Private	2021	2031	2047
17	HM 8 (C)	DMR -217	CCS HAU, RRS, Uchani	2017	2022	2059
18	HM 9 (C)	DMR -218	CCS HAU, RRS, Uchani	2001	2042	2054
19	HM 10 (C)	DMR -219	CCS HAU, RRS, Uchani	2003	2029	2049
20	AH 1011	DMR -220	IARI	2006	2028	2057
21	AH1012	DMR -221	IARI	2013	2041	2060

TRIAL NO. 4 (AET 1ST (L))

TRIAL NO 4	LATE MATURITY (ALL ZONES)
YEAR&SEASON	2010-2011 RABI
NO. OF ROWS	4
ROW LENGTH	4 M
NO. OF REPLICATION	3
LOCATION	19

LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	**PEDIGREE**	**PEDIGREE CODE**	**ORIGIN**	**R1**	**R2**	**R3**
1	115-08-01	DMR -401	Kanchan	4010	4021	4031
2	DMRNH 2	DMR -402	WNC, DMR, Hyderabad	4009	4013	4026
3	JH 8823	DMR -403	PAU, Ludhiana	4002	4019	4028
4	JH 8825	DMR -404	PAU, Ludhiana	4011	4016	4023
5	35A019	DMR -405	POC	4006	4020	4030
6	35A035	DMR -406	POC	4004	4014	4033
7	Bio 265	DMR -407	Bioseed Research India Private	4008	4012	4032
8	PRO 379	DMR -408	Bayer Bioscience Pvt. Ltd.	4005	4017	4027
9	Seedtec 2324 (C)	DMR -409	Bisco Bio Science Pvt. Ltd.	4003	4015	4025
10	Buland (C)	DMR -410	PAU, Ludiana	4007	4022	4029
11	HM 11 (C)	DMR -411	HAU, Uchani, Karnal	4001	4018	4024

TRIAL NO. 5-6 (AET 1ST (M&E))

TRIAL NO 5-6 MEDIUM & EARLY MATURITY (ALL ZONES)
YEAR&SEASON 2010-2011 RABI
NO. OF ROWS 4
ROW LENGTH 4 METRE
NO. OF REPLICATION 3
LOCATION 19
LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	PEDIGREE	PEDIGREE CODE	ORIGIN	R1	R2	R3
1	Bisco 506	DMR -601	Bisco Bio-science (P) Ltd.	6007	6017	6021
2	BIO 9637 (C)	DMR -602	Bioseed Research India Private	6006	6012	6027
3	HM 4 (C)	DMR -603	HAU, Uchani, Karnal	6005	6018	6024
4	HM 9 (C)	DMR -604	HAU, Uchani, Karnal	6010	6014	6030
5	HM 10 (C)	DMR -605	HAU, Uchani, Karnal	6009	6015	6029
6	HKH 306	DMR -606	CCS HAU, RRS, Uchani	6004	6011	6023
7	HKH 307	DMR -607	CCS HAU, RRS, Uchani	6008	6013	6026
8	HKH 405	DMR -608	CCS HAU, RRS, Uchani	6002	6019	6022
9	Vivek Hybrid 9 (C)	DMR -609	VPKAS, Almora	6003	6016	6025
10	Bio 9681 (C)	DMR -610	Bioseed Research India Private	6001	6020	6028

TRIAL NO. 7-8 (AET 2ND (L))

TRIAL NO 7-8 LATE and MEDIUM MATURITY
YEAR&SEASON 2010-2011 RABI
NO. OF ROWS 6
ROW LENGTH 4 M
NO. OF REPLICATION 3
LOCATION 19
LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	PEDIGREE	PEDIGREE CODE	ORIGIN	R1	R2	R3
1	KMH-Super 244	DMR -701	Kaveri Seed Company Limited	7008	7017	7028
2	Bio 9681 (C)	DMR -702	Bioseed Research India Private	7001	7019	7034
3	Prakash (C)	DMR -703	PAU, Ludiana	7011	7022	7036
4	HQPM 7 (C)	DMR -704	CCS HAU, RRS, Uchani	7003	7018	7029
5	BIO 9637 (C)	DMR -705	Bioseed Research India Private	7007	7016	7031
6	KMH-25K55	DMR -706	Kaveri Seed Company Limited	7012	7015	7032
7	KMH-3669	DMR -707	Kaveri Seed Company Limited	7009	7014	7033
8	MON 31	DMR -708	Monsanto	7004	7021	7026
9	PMH 1 (C)	DMR -709	PAU, Ludiana	7002	7013	7025
10	Seedtec 2324 (C)	DMR -710	Bisco Bio Science Pvt. Ltd.	7005	7024	7035
11	HM 9 (C)	DMR -711	CCS HAU, RRS, Uchani	7010	7023	7030
12	Bisco 506	DMR -712	Bisco Bio Science Pvt. Ltd.	7006	7020	7027

QPM 1-3

TRIAL NO: QPM 1-3
YEAR & SEASON 2010-2011 RABI
NO. OF ROWS 6
ROW LENGTH 4 M
NO. OF REPLICATION 3
LOCATION 19
LUDHIANA, KARNAL, DELHI, GOSSAIGAON, KANPUR, VARANASI, BAHARAICH, DHOLI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, COIMBATORE, MANDYA, VAGARAI, GODHRA, BANSWARA and CHHINDWARA

				REPLICATIONS		
ENTRY N	PEDIGREE	PEDIGREE CODE	ORIGIN	R1	R2	R3
1	VEHQPM 3018	DMR -11	BHU varanasi	102	113	121
2	VEHQ 3019	DMR -12	BHU Varanasi	101	114	120
3	HQPM -24	DMR -13	CCS HAU, RRS, Uchani	103	112	116
4	HQPM 1 (C)	DMR -14	CCS HAU, RRS, Uchani	107	109	119
5	HQPM 5 (C)	DMR -15	CCS HAU, RRS, Uchani	106	111	118
6	HQPM 7 (C)	DMR -16	CCS HAU, RRS, Uchani	104	110	117
7	VEHQPM 3027	DMR -17	BHU Varanasi	105	108	115

TRIAL N X G (Agronomy)

TRIAL NO N X G	LATE and MEDIUM MATURITY & QPM (ALL ZONES)
YEAR&SEASON	2010-2011 RABI
NO. OF REPLICATION	3
LOCATION	16
BREEDING	LUDHIANA, KARNAL, DELHI (DMR), GOSSAINGOAN, VARANASI, BAHARAICH, DHOLI, KOLHAPUR, HYDERABAD, KARIMNAGAR, ARBHAVI, GODHRA, UDAIPUR, BANSWARA, BHUBANESHWAR, CHHINDWARA

ENTRY NO.	PEDIGREE	PEDIGREE CODE	ORIGIN
1	KMH-Super 244	DMR-1	Kaveri Seed Company Limited
2	BIO 9637	DMR-2	Bioseed Research India Private
3	KMH-25K55	DMR-3	Kaveri Seed Company Limited
4	KMH-3669	DMR-4	Kaveri Seed Company Limited
5	SeedTech 2324	DMR-5	Bisco Bio Science Pvt. Ltd.
6	Bisco 506	DMR-6	Bisco Bio Science Pvt. Ltd.
7	VEHQPM 3018	DMR-7	BHU Varanasi

TRIAL 11 (Pathology)

TRIAL NO 11 (PATHO)	
YEAR&SEASON	2010-2011 RABI
NO. OF ROWS	2
ROW LENGTH	4 METRE
NO. OF REPLICATION	3
PATHOLOGY LOCATIONS	8

ENTRY NO.	PEDIGREE	PEDIGREE CODE	ORIGIN	REPLICATIONS R1	R2
	AET 2ND (L)				
1	KMH-25K55	DMR-1101		1268	1340
2	KMH-3669	DMR-1102		1212	1334
	AET 2ND (M)				
3	KMH-Super 244	DMR-1103		1234	1331
4	Bisco 506	DMR-1104		1239	1341
	AET 1ST (L)				
5	115-08-01	DMR-1105		1282	1333
6	DMRNH 2	DMR-1106		1274	1290
7	JH 8823	DMR-1107		1283	1319
8	JH 8825	DMR-1108		1242	1316
9	35A019	DMR-1109		1219	1308
10	35A035	DMR-1110		1201	1349
11	Bio 265	DMR-1111		1275	1304
12	PRO 379	DMR-1112		1255	1292
	AET 1ST (M)				
13	Bisco 506	DMR-1113		1241	1297
	AET 1ST (E)				
14	HKH 306	DMR-1114		1211	1313
15	HKH 307	DMR-1115		1246	1307
16	HKH 405	DMR-1116		1254	1356
	QPM-3				
17	VEHQPM 3018	DMR-1117		1272	1322
	CHECK				
18	Seedtec 2324	DMR-1118		1235	1370
19	Buland	DMR-1119		1277	1367
20	HM 11	DMR-1120		1209	1293
21	BIO 9637	DMR-1121		1208	1344
22	HM 8	DMR-1122		1247	1345
23	HM 9	DMR-1123		1286	1339
24	HM 10	DMR-1124		1204	1327
25	HQPM 1	DMR-1125		1207	1318
26	HQPM 5	DMR-1126		1206	1329
27	HQPM 7	DMR-1127		1230	1312
	IET (L)				
28	CMH08-259	DMR-1128		1233	1378
29	KNMH-401091	DMR-1129		1216	1336
30	KNMH-4010131	DMR-1130		1289	1310
31	X35A027	DMR-1131		1240	1298
32	X35B336	DMR-1132		1260	1352
33	X35B337	DMR-1133		1249	1361

34	KMH-2700	DMR-1134	1251	1303
35	KMH-2689	DMR-1135	1261	1343
36	JH 100A	DMR-1136	1278	1300
37	JH 115	DMR-1137	1218	1299
38	JH 143	DMR-1138	1226	1321
39	JH 199	DMR-1139	1202	1369
40	JH 200	DMR-1140	1215	1365
41	JH 210	DMR-1141	1222	1358
42	JH 216	DMR-1142	1279	1326
43	A 7503	DMR-1143	1213	1364
44	PRO 380	DMR-1144	1258	1363
45	PRO 381	DMR-1145	1229	1315
46	HKH 402	DMR-1146	1237	1353
47	HKH 408	DMR-1147	1267	1376
48	DMH 117	DMR-1148	1253	1337
49	NMH-731	DMR-1149	1276	1362
50	NMH-713	DMR-1150	1269	1373
51	NMH-920	DMR-1151	1256	1359
52	NMH-666	DMR-1152	1280	1348
53	RJMH-2020	DMR-1153	1263	1347
54	RJMH-2 by 1	DMR-1154	1285	1372
55	Asha	DMR-1155	1284	1346
56	BP-001	DMR-1156	1244	1366
57	BP-002	DMR-1157	1224	1368
58	BP-003	DMR-1158	1271	1301
59	BP-004	DMR-1159	1217	1377
60	BP-005	DMR-1160	1232	1330
61	BP-006	DMR-1161	1243	1375
62	BP-008	DMR-1162	1225	1296
63	KH-274	DMR-1163	1281	1305
64	NK 6607	DMR-1164	1223	1371
65	S 7700	DMR-1165	1221	1294
66	S 7720	DMR-1166	1214	1311
67	Bisco X9	DMR-1167	1205	1320
68	Bisco X 5129	DMR-1168	1248	1342
69	Bisco New 704	DMR-1169	1264	1328
70	CMH08-239	DMR-1170	1270	1355
71	CMH08-282	DMR-1171	1273	1317
72	CMH08-287	DMR-1172	1227	1335
	IET (M)			
73	X-915	DMR-1173	1288	1374
74	KH-B 52	DMR-1174	1257	1323
75	CMH08-284	DMR-1175	1231	1332
76	CMH08-292	DMR-1176	1252	1354
77	CMH08-350	DMR-1177	1287	1291
78	CMH08-432	DMR-1178	1220	1306
79	KMH-5050	DMR-1179	1266	1314
80	NMH-1242	DMR-1180	1228	1351
81	Bio 151	DMR-1181	1236	1324
82	MMH-09-11	DMR-1182	1203	1325
83	MMH-09-12	DMR-1183	1250	1295
84	MMH-09-13	DMR-1184	1262	1350
85	MMH-09-14	DMR-1185	1238	1302
86	MMH-09-15	DMR-1186	1265	1357
87	HKH 308	DMR-1187	1210	1360
	IET (E)			
88	AH 1011	DMR-1188	1259	1338
89	AH1012	DMR-1189	1245	1309
	QPM 1			
90	HQPM 24	DMR-1190	1379	1381
91	VEHQ-3019	DMR-1191	1380	1382
92	MON 31	DMR-1192	1383	1384

TRIAL 11 (Entomology)

TRIAL NO 11 (ENTO)	
YEAR&SEASON	2010-2011 RABI
NO. OF ROWS	2
ROW LENGTH	4 METRE
NO. OF REPLICATION	3
ENTOMOLOGY LOCATIONS	2

ENTRY NO.	PEDIGREE	PEDIGREE CODE	ORIGIN	REPLICATIONS R1	R2
	AET 2ND (L)				
1	KMH-25K55	DMR-1101		1105	1139
2	KMH-3669	DMR-1102		1117	1154
	AET 2ND (M)				
3	KMH-Super 244	DMR-1103		1115	1136
4	Bisco 506	DMR-1104		1119	1144
	AET 1ST (L)				
5	115-08-01	DMR-1105		1121	1140
6	DMRNH 2	DMR-1106		1120	1133
7	JH 8823	DMR-1107		1127	1128
8	JH 8825	DMR-1108		1111	1129
9	35A019	DMR-1109		1126	1151
10	35A035	DMR-1110		1106	1150
11	Bio 265	DMR-1111		1104	1147
12	PRO 379	DMR-1112		1103	1137
	AET 1ST (M)				
13	Bisco 506	DMR-1113		1118	1149
	AET 1ST (E)				
14	HKH 306	DMR-1114		1107	1152
15	HKH 307	DMR-1115		1102	1148
16	HKH 405	DMR-1116		1108	1130
	QPM-3				
17	VEHQPM 3018	DMR-1117		1109	1143
	CHECK				
18	Seedtec 2324	DMR-1118		1113	1132
19	Buland	DMR-1119		1124	1142
20	HM 11	DMR-1120		1101	1153
21	BIO 9637	DMR-1121		1125	1131
22	HM 8	DMR-1122		1114	1135
23	HM 9	DMR-1123		1112	1141
24	HM 10	DMR-1124		1110	1146
25	HQPM 1	DMR-1125		1123	1138
26	HQPM 5	DMR-1126		1116	1145
27	HQPM 7	DMR-1127		1122	1134
28	MON 31	DMR-1128		1155	1156

BREEDING

TABLE NO.	CONTENTS	PAGE NO.
1.	PERFORMANCE OF LATE MATURING EXPERIMENTAL HYBRIDS AT LUDHIANA, KANPUR, BAHRAICH, DHOLI, VARANASI, BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, BANSWARA, GODHRA IN TRIAL NO: TR01(IET-L) DURING RABI 2010-11.	1-46
2.	PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT KARNAL, KANPUR, BAHRAICH, DHOLI, VARANASI, BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, BANSWARA, GODHRA IN TRIAL NO: TR02(IET-M) DURING RABI 2010-11.	47-72
3.	PERFORMANCE OF LATE MATURING EXPERIMENTAL HYBRIDS AT GOSSAIGAON, LUDHIANA, KARNAL, KANPUR,DHOLI, VARANASI, RANCHI, BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI,BANSWARA,GODHRA IN TRIAL NO: TR04 (AET1-L)DURING RABI 2010-11.	73-85
4.	PERFORMANCE OF MEDIUM AND EARLY MATURING EXPERIMENTAL HYBRIDS AT KARNAL, KANPUR, DHOLI, RANCHI, BHUBANESHWAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI, BANSWARA, GODHRA IN TRIAL No: TR5 & TR6(AET1-ME) DURING RABI 2010-11.	86-101
5.	PERFORMANCE OF LATE AND MEDIUM MATURING EXPERIMENTAL HYBRIDS AT LUDHIANA, KARNAL, KANPUR, BAHRAICH, DHOLI,VARANASI, RANCHI, KARIMNAGAR, KOLHAPUR,MANDYA, COIMBATORE, VAGARAI, BANSWARA, IN TRIAL No. TR7 & TR8 (AET2-LM) DURING RABI 2010-11.	102-118
6.	PERFORMANCE OF QPM EXPERIMENTAL HYBRIDS AT GOSSAIGAON, LUDHIANA, KARNAL, DELHI, KANPUR BAHRAICH, DHOLI, VARANASI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI, BANSWARA, GODHRA IN TRIAL QPM1-3 DURING RABI 2010-11.	119-130

TABLE No.1
PERFORMANCE OF LATE MATURING EXPERIMENTAL HYBRIDS AT LUDHIANA, KANPUR, BAHRAICH, DHOLI, VARANASI, BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, BANSWARA, GODHRA IN TRIAL NO:TR01(IET-L) DURING RABI 2010-11.

GRAIN YIELD (kg/ha) AT 15% MOISTURE

Sl No	PEDIGREE	LUDH	R	DELH	R	KANP	R	ZN 2 MEAN	R	BAHR	R	DHOL	R	VARA	R	BHUB	R	ZN 3 MEAN	R
1	CMH08-259	4990	15	7262	16	5752	48	5371	46	11896	8	6548	43	13598	20	5380	19	9356	27
2	KNMH-401091	4332	33	5917	42	7570	36	5951	37	11320	13	9061	20	12341	38	5537	14	9565	22
3	KNMH-4010131	4799	22	-		7087	41	5943	39	-		7592	36	11320	46	4958	34	7957	48
4	X35A027	3636	45	6719	30	8390	23	6013	35	12141	4	8507	25	14286	15	5432	16	10092	10
5	X35B336	3831	43	6349	35	9820	6	6825	16	11078	19	10107	8	14326	14	5178	26	10172	8
6	X35B337	4427	30	8187	7	9387	11	6907	14	13410	1	11452	1	16910	1	7194	1	12242	1
7	KMH-2700	4913	18	8793	3	10096	2	7505	6	8519	46	10256	6	15725	3	5794	9	10074	12
8	KMH-2689	4640	26	5672	45	8002	27	6321	29	9776	37	9090	19	13547	22	5981	4	9599	21
9	JH 100A	5194	12	6209	40	6800	44	5997	36	13224	2	7462	37	12051	41	4399	47	9284	28
10	JH 115	5276	9	6466	32	7739	31	6507	24	12612	3	7710	33	13112	31	5352	20	9696	19
11	JH 143	4962	17	6222	38	7729	32	6345	28	11756	10	6498	45	11957	44	5328	21	8885	38
12	JH 199	3847	42	7745	8	7593	35	5720	42	9102	43	7009	41	12402	37	4989	31	8376	42
13	JH 200	5812	3	8744	4	6952	43	6382	27	9819	36	7235	39	12319	39	4837	37	8553	40
14	JH 210	6326	1	6274	37	6661	46	6494	25	10558	28	6416	46	10616	48	4725	43	8079	47
15	JH 216	4524	28	5909	43	7290	39	5907	41	9703	39	8115	29	13224	28	5248	24	9073	34
16	A 7503	4430	29	6823	25	7761	30	6095	33	11676	11	10010	9	12011	42	5733	10	9858	17
17	PRO 380	4826	20	7293	14	8066	26	6446	26	11933	7	9781	10	15310	6	5128	28	10538	4
18	PRO 381	4806	21	6808	26	8681	19	6744	18	11287	14	9451	12	14751	7	5985	3	10369	6
19	HKH 402	4544	27	6305	36	9621	9	7083	10	10791	25	5097	48	11212	47	5577	12	8169	45
20	HKH 408	4872	19	6405	34	10055	3	7463	7	10728	26	6517	44	12552	36	5178	27	8744	39
21	DMH 117	4410	31	7444	12	11094	1	7752	1	9630	40	5480	47	12754	34	5391	18	8314	44
22	NMH-731	5841	2	7572	10	9625	8	7733	3	11197	16	8679	23	13549	21	4768	41	9548	23
23	NMH-713	5270	10	7048	18	10009	4	7640	5	10396	30	10408	2	16095	2	5403	17	10575	3
24	NMH-920	4210	36	5450	46	9276	14	6743	19	10860	24	8367	26	14637	8	4973	33	9709	18
25	NMH-666	5524	6	8822	2	8442	22	6983	12	12109	5	9411	14	13744	19	4805	40	10017	15
26	RJMH-2020	4704	25	9231	1	7836	29	6270	30	9054	44	9059	21	13142	29	4661	45	8979	36
27	RJMH-2 by 1	3148	46	7492	11	7670	33	5409	44	10987	21	9721	11	14100	17	5539	13	10087	11
28	Asha	5323	8	6874	24	8546	20	6935	13	9748	38	9197	17	13275	27	5948	5	9542	24
29	BP-001	5580	5	7177	17	9752	7	7666	4	11092	18	7630	34	14103	16	5078	30	9476	26
30	BP-002	5619	4	6428	33	9885	5	7752	2	9959	34	9131	18	13276	26	4028	48	9098	33

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE															
		LUDH	R	DELH	R	KANP	R	ZN 2 MEAN	R	BAHR	R	DHOL	R	VARA	R	BHUB	R	ZN 3 MEAN	R
31	BP-003	4756	24	8371	6	9365	13	7060	11	10415	29	7759	32	13115	30	5264	22	9138	32
32	BP-004	3922	40	6031	41	8272	25	6097	32	11266	15	9248	16	14482	10	5252	23	10062	13
33	BP-005	4333	32	7634	9	7506	38	5919	40	11067	20	9290	15	13286	25	4805	39	9612	20
34	BP-006	3795	44	7285	15	6965	42	5380	45	11790	9	7348	38	12802	33	4728	42	9167	31
35	BP-008	4277	35	5737	44	6550	47	5414	43	10560	27	8142	28	14381	13	4978	32	9515	25
36	KH-274	2874	47	6954	20	7235	40	5055	48	9132	42	7981	30	11449	45	5579	11	8535	41
37	NK 6607	2820	48	6895	22	7612	34	5216	47	10895	23	9416	13	14621	9	5944	6	10219	7
38	S 7700	4121	37	6884	23	9440	10	6781	17	12031	6	10200	7	14441	11	5802	7	10618	2
39	S 7720	5080	14	8433	5	9378	12	7229	8	10150	33	10370	3	13787	18	5796	8	10026	14
40	Bisco X9	4770	23	6740	28	8319	24	6545	23	9837	35	8525	24	15401	5	6298	2	10016	16
41	Bisco X 5129	5114	13	6742	27	8687	18	6900	15	10393	31	7221	40	14394	12	4812	38	9205	29
42	Bisco New 704	4330	34	6905	21	7562	37	5946	38	11618	12	10314	5	15578	4	4607	46	10529	5
43	CMH08-239	5483	7	7363	13	6694	45	6088	34	8561	45	7598	35	12008	43	5119	29	8322	43
44	CMH08-282	3897	41	6216	39	8496	21	6196	31	10922	22	8313	27	12061	40	4842	36	9035	35
45	CMH08-287	4978	16	6721	29	9258	15	7118	9	11150	17	10354	4	13483	23	5473	15	10115	9
	CHECKS																		
46	Seedtec 2324	4024	38	4700	47	9120	17	6572	22	9199	41	7975	31	13423	24	5244	25	8960	37
47	Buland	5250	11	6522	31	7930	28	6590	21	10352	32	8910	22	12846	32	4678	44	9196	30
48	HM 11	3944	39	6994	19	9242	16	6593	20	8128	47	6844	42	12587	35	4942	35	8125	46
	Location Mean	4633		6952		8350		6492		10720		8475		13466		5264		9481	
	Mean Stand	24		32		34		29		28		33		37		31		32	
	C.D. (5%)	1070		2409		1456		1263		1369		2091		1543		239		1311	
	C.V. (%)	14.25		21.37		10.75		-		7.87		15.22		7.07		2.81		-	
	F (Prob)	0		0		0				0		0		0		0			
	Plot Size	3.6		6		4.8		-		4.8		6		4.8		4.8		-	
	AGRONOMY DATA																		
	Sowing Date	28-11		4-12		24-12		-		12-12		3-12		25-11		17-12		-	
	Harvest Date	5-06		18-06		25-05		-		6-04		-		8-05		21-04		-	
	Irrigation Nos	18		5		5		-		-		-		5		12		-	
	Ferilizer Applie	70		120		120		-		150		150		150		120		-	
	Ferilizer Applie	24		60		60		-		75		70		75		60		-	
	Ferilizer Applie	12		40		60		-		60		50		60		60		-	

TABLE No.1 (Cont..)

GRAIN YIELD (kg/ha) AT 15% MOISTURE

Sl No	PEDIGREE	ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	CMH08-259	4415	27	8470	37	8414	24	6677	33	14165	3	9431	26	5575	22	7102	26	6338	24	8214	27
2	KNMH-401091	3747	32	7491	47	5469	45	-		5545	46	6168	46	5783	18	3397	44	4590	43	7077	45
3	KNMH-4010131	2611	46	6708	48	4313	48	-		4539	48	5187	48	-		-		-		6415	48
4	X35A027	6296	9	12368	4	8155	27	7910	15	13024	9	10364	7	5798	17	5518	38	5658	36	8764	15
5	X35B336	7626	2	13083	1	10013	3	8719	3	11983	24	10950	1	5450	24	8735	9	7093	9	9360	3
6	X35B337	4459	26	11312	12	9079	14	6489	36	12152	20	9758	20	6992	1	10415	5	8704	3	9935	1
7	KMH-2700	3669	36	11607	8	8755	20	8514	5	13843	5	10680	3	5407	25	7972	15	6689	17	9284	8
8	KMH-2689	5988	12	8612	36	9052	16	6656	34	13926	4	9561	23	6260	5	8507	10	7384	8	8671	19
9	JH 100A	2994	44	7681	44	8891	18	7040	28	9429	43	8260	41	5742	19	7167	23	6454	21	7923	36
10	JH 115	4724	22	9186	28	7241	39	6778	31	10187	40	8348	39	4304	43	7116	24	5710	34	8051	33
11	JH 143	4653	24	8040	42	5913	44	5533	43	11488	32	7743	43	4682	36	7313	22	5998	29	7600	41
12	JH 199	4835	20	9465	27	6154	43	8667	4	10666	37	8738	33	5799	16	4934	40	5367	38	7552	43
13	JH 200	3178	42	8918	33	11411	1	8361	7	10407	38	9774	19	4459	41	11578	4	8018	5	8509	22
14	JH 210	2844	45	9730	25	6795	41	7769	17	8846	44	8285	40	4557	38	2553	47	3555	47	7129	44
15	JH 216	2217	47	8138	40	9372	11	7307	27	9739	42	8639	37	6271	3	7113	25	6692	16	8004	34
16	A 7503	3173	43	10511	19	9526	8	7983	12	13734	6	10439	5	4799	34	5424	39	5111	41	8633	20
17	PRO 380	8455	1	12699	2	9926	5	9061	2	11517	29	10801	2	6261	4	7738	17	6999	11	9354	4
18	PRO 381	6396	7	9968	24	7386	38	7781	16	13528	7	9666	21	6037	11	7987	14	7012	10	8971	10
19	HKH 402	3574	39	7572	45	4573	46	4402	45	10377	39	6731	45	4032	47	6928	28	5480	37	7061	46
20	HKH 408	3200	41	8969	32	7545	35	5670	41	9910	41	8023	42	4840	33	6563	33	5701	35	7783	37
21	DMH 117	6066	11	8860	34	7890	31	6711	32	11488	33	8737	34	4488	39	4825	41	4656	42	7752	38
22	NMH-731	6349	8	12156	5	9233	13	7915	14	12192	17	10374	6	5007	31	5696	37	5351	39	8821	13
23	NMH-713	3708	34	10383	20	9318	12	9265	1	12164	18	10283	8	4483	40	8870	8	6677	18	9339	5
24	NMH-920	3660	37	10892	14	9947	4	7349	25	11285	34	9868	17	5202	29	8151	11	6676	19	8762	16
25	NMH-666	3729	33	11535	10	7932	30	8354	8	11740	26	9890	16	5455	23	10162	6	7809	7	9101	9
26	RJMH-2020	3799	31	10650	17	9392	10	7441	23	12199	16	9920	14	4719	35	11735	3	8227	4	8716	17
27	RJMH-2 by 1	4816	21	7555	46	8026	28	7520	21	11258	35	8590	38	5705	20	6790	32	6248	26	8168	30
28	Asha	4835	19	10125	23	8676	21	7421	24	11507	31	9432	25	6460	2	7023	27	6742	14	8604	21
29	BP-001	4014	30	8058	41	8310	26	6292	38	12157	19	8704	35	6186	8	6793	31	6490	20	8419	25
30	BP-002	6186	10	10215	22	8604	23	7632	20	11125	36	9394	27	4942	32	3390	46	4166	44	8150	31

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																	
		ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
31	BP-003	6730	6	7927	43	8831	19	8230	10	12031	22	9255	28	5349	27	8079	12	6714	15	8427	24
32	BP-004	4348	29	10354	21	8318	25	8231	9	12541	12	9861	18	6007	12	7899	16	6953	12	8816	14
33	BP-005	3697	35	9086	30	7619	34	7479	22	11640	27	8956	31	6193	7	5901	36	6047	28	8184	29
34	BP-006	7502	5	9676	26	9020	17	7700	18	11793	25	9547	24	4647	37	8061	13	6354	23	8194	28
35	BP-008	5471	16	9153	29	9819	6	7978	13	11508	30	9615	22	4433	42	3396	45	3915	45	7931	35
36	KH-274	7622	3	10818	15	7121	40	5548	42	12050	21	8884	32	5173	30	7351	21	6262	25	7693	39
37	NK 6607	7588	4	10669	16	9070	15	8468	6	12756	10	10241	9	6159	9	13621	1	9890	1	9338	6
38	S 7700	4371	28	11573	9	9522	9	7030	29	11555	28	9920	15	6232	6	9796	7	8014	6	9312	7
39	S 7720	5604	14	11513	11	9602	7	7023	30	12410	13	10137	11	5290	28	6899	29	6095	27	8941	12
40	Bisco X9	5503	15	10548	18	7957	29	6205	39	12230	15	9235	29	5385	26	6296	34	5840	32	8481	23
41	Bisco X 5129	5230	17	12433	3	7480	36	7333	26	12734	11	9995	13	6134	10	7702	18	6918	13	8703	18
42	Bisco New 704	3232	40	11772	7	11251	2	6602	35	12268	14	10473	4	5921	15	12085	2	9003	2	9492	2
43	CMH08-239	4716	23	11874	6	7762	33	7695	19	13211	8	10135	12	5993	13	6886	30	6439	22	8240	26
44	CMH08-282	5891	13	8428	38	7877	32	6110	40	14500	2	9229	30	4216	45	7410	20	5813	33	8089	32
45	CMH08-287	4953	18	9014	31	8614	22	8224	11	14775	1	10157	10	5927	14	6051	35	5989	30	8942	11
	CHECKS																				
46	Seedtec 2324	1837	48	8264	39	4362	47	-		4702	47	5776	47	4185	46	3474	43	3829	46	6725	47
47	Buland	4651	25	10979	13	6283	42	5240	44	7882	45	7596	44	5697	21	4624	42	5161	40	7556	42
48	HM 11	3619	38	8709	35	7474	37	6414	37	12020	23	8654	36	4280	44	7477	19	5879	31	7672	40
	Location Mean	4766		9870		8194		7305		11432		9200		5381		7245		6313		8361	
	Mean Stand	28		30		33		34		31		32		28		17		22		30	
	C.D. (5%)	2330		1839		1763		659		1548		1452		820		1848		1334		1354	
	C.V. (%)	30.15		11.49		13.27		5.56		8.35		-		9.4		15.72		-		-	
	F (Prob)	0		0		0		0		0				0		0					
	Plot Size	6		6		6		5.6		4.8		-		4.8		2.4		-		-	
	AGRONOMY DATA																				
	Sowing Date	3-12		5-12		29-12		16-12		4-01		-		11-12		16-11		-		-	
	Harvest Date	29-04		18-04		16-05		2-05		5-05		-		10-05		14-04		-		-	
	Irrigation Nos	6		12		-		12		10		-		6		10		-		-	
	Ferilizer Applie	150		240		120		150		150		-		150		150		-		-	
	Ferilizer Applie	75		80		60		75		75		-		60		60		-		-	
	Ferilizer Applie	37.5		60		40		40		75		-		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	CMH08-259	24	54.5	-	-	29.3	-	1.3	2.6	4.4
2	KNMH-401091	7.6	25.9	-	-	23.1	13.6	-	5.6	6.7
3	KNMH-4010131	19.3	-	-	-	-	-	-	-	-
4	X35A027	-	42.9	-	-	32	6.7	6.4	3.6	12.6
5	X35B336	-	35.1	7.7	3.9	20.4	26.7	6.7	-	13.5
6	X35B337	10	74.2	2.9	5.1	45.8	43.6	26	37.2	36.6
7	KMH-2700	22.1	87.1	10.7	14.2	-	28.6	17.2	10.5	12.4
8	KMH-2689	15.3	20.7	-	-	6.3	14	0.9	14.1	7.1
9	JH 100A	29.1	32.1	-	-	43.8	-	-	-	3.6
10	JH 115	31.1	37.6	-	-	37.1	-	-	2.1	8.2
11	JH 143	23.3	32.4	-	-	27.8	-	-	1.6	-
12	JH 199	-	64.8	-	-	-	-	-	-	-
13	JH 200	44.4	86	-	-	6.8	-	-	-	-
14	JH 210	57.2	33.5	-	-	14.8	-	-	-	-
15	JH 216	12.4	25.7	-	-	5.5	1.7	-	0.1	1.3
16	A 7503	10.1	45.1	-	-	26.9	25.5	-	9.3	10
17	PRO 380	19.9	55.2	-	-	29.7	22.6	14.1	-	17.6
18	PRO 381	19.4	44.8	-	2.6	22.7	18.5	9.9	14.1	15.7
19	HKH 402	12.9	34.1	5.5	7.8	17.3	-	-	6.3	-
20	HKH 408	21.1	36.3	10.3	13.6	16.6	-	-	-	-
21	DMH 117	9.6	58.4	21.7	18	4.7	-	-	2.8	-
22	NMH-731	45.1	61.1	5.5	17.7	21.7	8.8	0.9	-	6.6
23	NMH-713	31	49.9	9.7	16.2	13	30.5	19.9	3	18
24	NMH-920	4.6	15.9	1.7	2.6	18.1	4.9	9	-	8.4
25	NMH-666	37.3	87.7	-	6.3	31.6	18	2.4	-	11.8
26	RJMH-2020	16.9	96.4	-	-	-	13.6	-	-	0.2
27	RJMH-2 by 1	-	59.4	-	-	19.4	21.9	5	5.6	12.6
28	Asha	32.3	46.2	-	5.5	6	15.3	-	13.4	6.5
29	BP-001	38.6	52.7	6.9	16.6	20.6	-	5.1	-	5.8
30	BP-002	39.6	36.8	8.4	18	8.3	14.5	-	-	1.5

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
31	BP-003	18.2	78.1	2.7	7.4	13.2	-	-	0.4	2
32	BP-004	-	28.3	-	-	22.5	16	7.9	0.1	12.3
33	BP-005	7.7	62.4	-	-	20.3	16.5	-	-	7.3
34	BP-006	-	55	-	-	28.2	-	-	-	2.3
35	BP-008	6.3	22.1	-	-	14.8	2.1	7.1	-	6.2
36	KH-274	-	47.9	-	-	-	0.1	-	6.4	-
37	NK 6607	-	46.7	-	-	18.4	18.1	8.9	13.3	14
38	S 7700	2.4	46.5	3.5	3.2	30.8	27.9	7.6	10.6	18.5
39	S 7720	26.2	79.4	2.8	10	10.3	30	2.7	10.5	11.9
40	Bisco X9	18.5	43.4	-	-	6.9	6.9	14.7	20.1	11.8
41	Bisco X 5129	27.1	43.4	-	5	13	-	7.2	-	2.7
42	Bisco New 704	7.6	46.9	-	-	26.3	29.3	16.1	-	17.5
43	CMH08-239	36.2	56.6	-	-	-	-	-	-	-
44	CMH08-282	-	32.2	-	-	18.7	4.2	-	-	0.8
45	CMH08-287	23.7	43	1.5	8.3	21.2	29.8	0.5	4.4	12.9
	CHECKS									
46	Seedtec 2324	-	-	-	-	-	-	-	-	-
47	Buland	30.5	38.7	-	0.3	12.5	11.7	-	-	2.6
48	HM 11	-	48.8	1.3	0.3	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	CMH08-259	140.3	2.5	92.9	-	201.2	63.3	33.2	104.5	65.5	22.1
2	KNMH-401091	103.9	-	25.4	-	17.9	6.8	38.2	-	19.9	5.2
3	KNMH-4010131	42.1	-	-	-	-	-	-	-	-	-
4	X35A027	242.7	49.7	87	-	177	79.4	38.6	58.8	47.8	30.3
5	X35B336	315.1	58.3	129.6	-	154.8	89.6	30.2	151.5	85.2	39.2
6	X35B337	142.7	36.9	108.2	-	158.4	68.9	67.1	199.8	127.3	47.7
7	KMH-2700	99.7	40.5	100.7	-	194.4	84.9	29.2	129.5	74.7	38.1
8	KMH-2689	225.9	4.2	107.5	-	196.2	65.5	49.6	144.9	92.8	28.9
9	JH 100A	63	-	103.8	-	100.5	43	37.2	106.3	68.6	17.8
10	JH 115	157.1	11.2	66	-	116.6	44.5	2.8	104.9	49.1	19.7
11	JH 143	153.2	-	35.6	-	144.3	34.1	11.9	110.5	56.6	13
12	JH 199	163.1	14.5	41.1	-	126.8	51.3	38.6	42.1	40.2	12.3
13	JH 200	73	7.9	161.6	-	121.3	69.2	6.6	233.3	109.4	26.5
14	JH 210	54.8	17.7	55.8	-	88.1	43.4	8.9	-	-	6
15	JH 216	20.7	-	114.9	-	107.1	49.6	49.9	104.8	74.8	19
16	A 7503	72.7	27.2	118.4	-	192.1	80.7	14.7	56.1	33.5	28.4
17	PRO 380	360.2	53.7	127.6	-	144.9	87	49.6	122.8	82.8	39.1
18	PRO 381	248.1	20.6	69.3	-	187.7	67.3	44.3	130	83.1	33.4
19	HKH 402	94.5	-	4.9	-	120.7	16.5	-	99.4	43.1	5
20	HKH 408	74.2	8.5	73	-	110.7	38.9	15.7	88.9	48.9	15.7
21	DMH 117	230.1	7.2	80.9	-	144.3	51.3	7.3	38.9	21.6	15.3
22	NMH-731	245.6	47.1	111.7	-	159.3	79.6	19.6	64	39.8	31.2
23	NMH-713	101.8	25.6	113.6	-	158.7	78	7.1	155.4	74.4	38.9
24	NMH-920	99.2	31.8	128	-	140	70.8	24.3	134.7	74.4	30.3
25	NMH-666	103	39.6	81.9	-	149.7	71.2	30.4	192.6	103.9	35.3
26	RJMH-2020	106.8	28.9	115.3	-	159.4	71.8	12.8	237.8	114.9	29.6
27	RJMH-2 by 1	162.1	-	84	-	139.4	48.7	36.3	95.5	63.2	21.5
28	Asha	163.2	22.5	98.9	-	144.7	63.3	54.4	102.2	76.1	27.9
29	BP-001	118.5	-	90.5	-	158.5	50.7	47.8	95.6	69.5	25.2
30	BP-002	236.7	23.6	97.3	-	136.6	62.6	18.1	-	8.8	21.2

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
31	BP-003	266.3	-	102.5	-	155.8	60.2	27.8	132.6	75.4	25.3
32	BP-004	136.7	25.3	90.7	-	166.7	70.7	43.5	127.4	81.6	31.1
33	BP-005	101.2	9.9	74.7	-	147.5	55.1	48	69.9	57.9	21.7
34	BP-006	308.3	17.1	106.8	-	150.8	65.3	11	132.1	65.9	21.8
35	BP-008	197.8	10.8	125.1	-	144.7	66.5	5.9	-	2.2	17.9
36	KH-274	314.8	30.9	63.3	-	156.2	53.8	23.6	111.6	63.5	14.4
37	NK 6607	313	29.1	107.9	-	171.3	77.3	47.2	292.1	158.3	38.9
38	S 7700	137.9	40	118.3	-	145.7	71.7	48.9	182	109.3	38.5
39	S 7720	205	39.3	120.1	-	163.9	75.5	26.4	98.6	59.2	33
40	Bisco X9	199.5	27.6	82.4	-	160.1	59.9	28.7	81.3	52.5	26.1
41	Bisco X 5129	184.7	50.5	71.5	-	170.8	73	46.6	121.7	80.7	29.4
42	Bisco New 704	75.9	42.5	157.9	-	160.9	81.3	41.5	247.9	135.1	41.2
43	CMH08-239	156.7	43.7	78	-	180.9	75.5	43.2	98.2	68.2	22.5
44	CMH08-282	220.7	2	80.6	-	208.4	59.8	0.7	113.3	51.8	20.3
45	CMH08-287	169.6	9.1	97.5	-	214.2	75.8	41.6	74.2	56.4	33
	CHECKS										
46	Seedtec 2324	-	-	-	-	-	-	-	-	-	-
47	Buland	153.1	32.8	44	-	67.6	31.5	36.1	33.1	34.8	12.4
48	HM 11	97	5.4	71.4	-	155.6	49.8	2.3	115.3	53.5	14.1

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE Buland								
		LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	CMH08-259	-	11.3	-	-	14.9	-	5.9	15	1.7
2	KNMH-401091	-	-	-	-	9.4	1.7	-	18.4	4
3	KNMH-4010131	-	-	-	-	-	-	-	6	-
4	X35A027	-	3	5.8	-	17.3	-	11.2	16.1	9.7
5	X35B336	-	-	23.8	3.6	7	13.4	11.5	10.7	10.6
6	X35B337	-	25.5	18.4	4.8	29.6	28.5	31.6	53.8	33.1
7	KMH-2700	-	34.8	27.3	13.9	-	15.1	22.4	23.9	9.5
8	KMH-2689	-	-	0.9	-	-	2	5.5	27.9	4.4
9	JH 100A	-	-	-	-	27.8	-	-	-	1
10	JH 115	0.5	-	-	-	21.8	-	2.1	14.4	5.4
11	JH 143	-	-	-	-	13.6	-	-	13.9	-
12	JH 199	-	18.8	-	-	-	-	-	6.6	-
13	JH 200	10.7	34.1	-	-	-	-	-	3.4	-
14	JH 210	20.5	-	-	-	2	-	-	1	-
15	JH 216	-	-	-	-	-	-	2.9	12.2	-
16	A 7503	-	4.6	-	-	12.8	12.3	-	22.6	7.2
17	PRO 380	-	11.8	1.7	-	15.3	9.8	19.2	9.6	14.6
18	PRO 381	-	4.4	9.5	2.3	9	6.1	14.8	27.9	12.7
19	HKH 402	-	-	21.3	7.5	4.2	-	-	19.2	-
20	HKH 408	-	-	26.8	13.2	3.6	-	-	10.7	-
21	DMH 117	-	14.1	39.9	17.6	-	-	-	15.2	-
22	NMH-731	11.2	16.1	21.4	17.3	8.2	-	5.5	1.9	3.8
23	NMH-713	0.4	8.1	26.2	15.9	0.4	16.8	25.3	15.5	15
24	NMH-920	-	-	17	2.3	4.9	-	13.9	6.3	5.6
25	NMH-666	5.2	35.3	6.5	6	17	5.6	7	2.7	8.9
26	RJMH-2020	-	41.5	-	-	-	1.7	2.3	-	-
27	RJMH-2 by 1	-	14.9	-	-	6.1	9.1	9.8	18.4	9.7
28	Asha	1.4	5.4	7.8	5.2	-	3.2	3.3	27.2	3.8
29	BP-001	6.3	10	23	16.3	7.2	-	9.8	8.5	3
30	BP-002	7	-	24.7	17.6	-	2.5	3.3	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE Buland								
		LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
31	BP-003	-	28.4	18.1	7.1	0.6	-	2.1	12.5	-
32	BP-004	-	-	4.3	-	8.8	3.8	12.7	12.3	9.4
33	BP-005	-	17.1	-	-	6.9	4.3	3.4	2.7	4.5
34	BP-006	-	11.7	-	-	13.9	-	-	1.1	-
35	BP-008	-	-	-	-	2	-	11.9	6.4	3.5
36	KH-274	-	6.6	-	-	-	-	-	19.3	-
37	NK 6607	-	5.7	-	-	5.2	5.7	13.8	27.1	11.1
38	S 7700	-	5.6	19	2.9	16.2	14.5	12.4	24	15.5
39	S 7720	-	29.3	18.3	9.7	-	16.4	7.3	23.9	9
40	Bisco X9	-	3.3	4.9	-	-	-	19.9	34.6	8.9
41	Bisco X 5129	-	3.4	9.5	4.7	0.4	-	12.1	2.8	0.1
42	Bisco New 704	-	5.9	-	-	12.2	15.8	21.3	-	14.5
43	CMH08-239	4.4	12.9	-	-	-	-	-	9.4	-
44	CMH08-282	-	-	7.1	-	5.5	-	-	3.5	-
45	CMH08-287	-	3.1	16.7	8	7.7	16.2	5	17	10
	CHECKS									
46	Seedtec 2324	-	-	15	-	-	-	4.5	12.1	-
47	Buland	-	-	-	-	-	-	-	-	-
48	HM 11	-	7.2	16.5	0	-	-	-	5.6	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Buland

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	CMH08-259	-	-	33.9	27.4	79.7	24.2	-	53.6	22.8	8.7
2	KNMH-401091	-	-	-	-	-	-	1.5	-	-	-
3	KNMH-4010131	-	-	-	-	-	-	-	-	-	-
4	X35A027	35.4	12.7	29.8	51	65.2	36.4	1.8	19.3	9.6	16
5	X35B336	64	19.2	59.4	66.4	52	44.2	-	88.9	37.4	23.9
6	X35B337	-	3	44.5	23.8	54.2	28.5	22.7	125.2	68.7	31.5
7	KMH-2700	-	5.7	39.3	62.5	75.6	40.6	-	72.4	29.6	22.9
8	KMH-2689	28.8	-	44.1	27	76.7	25.9	9.9	84	43.1	14.8
9	JH 100A	-	-	41.5	34.4	19.6	8.7	0.8	55	25.1	4.9
10	JH 115	1.6	-	15.2	29.4	29.3	9.9	-	53.9	10.6	6.6
11	JH 143	0	-	-	5.6	45.8	1.9	-	58.2	16.2	0.6
12	JH 199	4	-	-	65.4	35.3	15	1.8	6.7	4	-
13	JH 200	-	-	81.6	59.6	32	28.7	-	150.4	55.4	12.6
14	JH 210	-	-	8.2	48.3	12.2	9.1	-	-	-	-
15	JH 216	-	-	49.2	39.5	23.6	13.7	10.1	53.8	29.7	5.9
16	A 7503	-	-	51.6	52.4	74.3	37.4	-	17.3	-	14.3
17	PRO 380	81.8	15.7	58	72.9	46.1	42.2	9.9	67.3	35.6	23.8
18	PRO 381	37.5	-	17.6	48.5	71.6	27.3	6	72.7	35.9	18.7
19	HKH 402	-	-	-	-	31.7	-	-	49.8	6.2	-
20	HKH 408	-	-	20.1	8.2	25.7	5.6	-	41.9	10.5	3
21	DMH 117	30.4	-	25.6	28.1	45.8	15	-	4.3	-	2.6
22	NMH-731	36.5	10.7	47	51.1	54.7	36.6	-	23.2	3.7	16.7
23	NMH-713	-	-	48.3	76.8	54.3	35.4	-	91.8	29.4	23.6
24	NMH-920	-	-	58.3	40.3	43.2	29.9	-	76.3	29.4	16
25	NMH-666	-	5.1	26.2	59.4	49	30.2	-	119.8	51.3	20.5
26	RJMH-2020	-	-	49.5	42	54.8	30.6	-	153.8	59.4	15.4
27	RJMH-2 by 1	3.6	-	27.7	43.5	42.8	13.1	0.1	46.8	21.1	8.1
28	Asha	4	-	38.1	41.6	46	24.2	13.4	51.9	30.6	13.9
29	BP-001	-	-	32.3	20.1	54.2	14.6	8.6	46.9	25.8	11.4
30	BP-002	33	-	36.9	45.7	41.1	23.7	-	-	-	7.9

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Buland

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
32	BP-004	-	-	32.4	57.1	59.1	29.8	5.4	70.8	34.7	16.7
33	BP-005	-	-	21.3	42.7	47.7	17.9	8.7	27.6	17.2	8.3
34	BP-006	61.3	-	43.6	47	49.6	25.7	-	74.3	23.1	8.4
35	BP-008	17.6	-	56.3	52.3	46	26.6	-	-	-	5
36	KH-274	63.9	-	13.3	5.9	52.9	17	-	59	21.3	1.8
37	NK 6607	63.2	-	44.4	61.6	61.8	34.8	8.1	194.6	91.6	23.6
38	S 7700	-	5.4	51.6	34.2	46.6	30.6	9.4	111.8	55.3	23.2
39	S 7720	20.5	4.9	52.8	34	57.4	33.5	-	49.2	18.1	18.3
40	Bisco X9	18.3	-	26.6	18.4	55.2	21.6	-	36.2	13.2	12.2
41	Bisco X 5129	12.5	13.3	19.1	40	61.6	31.6	7.7	66.6	34.1	15.2
42	Bisco New 704	-	7.2	79.1	26	55.7	37.9	3.9	161.3	74.5	25.6
43	CMH08-239	1.4	8.2	23.5	46.9	67.6	33.4	5.2	48.9	24.8	9.1
44	CMH08-282	26.7	-	25.4	16.6	84	21.5	-	60.2	12.6	7.1
45	CMH08-287	6.5	-	37.1	57	87.5	33.7	4	30.8	16.1	18.3
	CHECKS										
46	Seedtec 2324	-	-	-	-	-	-	-	-	-	-
47	Buland	-	-	-	-	-	-	-	-	-	-
48	HM 11	-	-	19	22.4	52.5	13.9	-	61.7	13.9	1.5

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 11								
		LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	CMH08-259	26.5	3.8	-	-	46.4	-	8	8.9	15.1
2	KNMH-401091	9.9	-	-	-	39.3	32.4	-	12.1	17.7
3	KNMH-4010131	21.7	-	-	-	-	10.9	-	0.3	-
4	X35A027	-	-	-	-	49.4	24.3	13.5	9.9	24.2
5	X35B336	-	-	6.3	3.5	36.3	47.7	13.8	4.8	25.2
6	X35B337	12.3	17.1	1.6	4.8	65	67.3	34.3	45.6	50.7
7	KMH-2700	24.6	25.7	9.2	13.8	4.8	49.9	24.9	17.2	24
8	KMH-2689	17.7	-	-	-	20.3	32.8	7.6	21	18.1
9	JH 100A	31.7	-	-	-	62.7	9	-	-	14.3
10	JH 115	33.8	-	-	-	55.2	12.7	4.2	8.3	19.3
11	JH 143	25.8	-	-	-	44.6	-	-	7.8	9.3
12	JH 199	-	10.7	-	-	12	2.4	-	1	3.1
13	JH 200	47.4	25	-	-	20.8	5.7	-	-	5.3
14	JH 210	60.4	-	-	-	29.9	-	-	-	-
15	JH 216	14.7	-	-	-	19.4	18.6	5.1	6.2	11.7
16	A 7503	12.3	-	-	-	43.6	46.3	-	16	21.3
17	PRO 380	22.4	4.3	-	-	46.8	42.9	21.6	3.8	29.7
18	PRO 381	21.9	-	-	2.3	38.9	38.1	17.2	21.1	27.6
19	HKH 402	15.2	-	4.1	7.4	32.8	-	-	12.8	0.5
20	HKH 408	23.5	-	8.8	13.2	32	-	-	4.8	7.6
21	DMH 117	11.8	6.4	20	17.6	18.5	-	1.3	9.1	2.3
22	NMH-731	48.1	8.3	4.1	17.3	37.8	26.8	7.6	-	17.5
23	NMH-713	33.6	0.8	8.3	15.9	27.9	52.1	27.9	9.3	30.2
24	NMH-920	6.8	-	0.4	2.3	33.6	22.3	16.3	0.6	19.5
25	NMH-666	40.1	26.1	-	5.9	49	37.5	9.2	-	23.3
26	RJMH-2020	19.3	32	-	-	11.4	32.4	4.4	-	10.5
27	RJMH-2 by 1	-	7.1	-	-	35.2	42	12	12.1	24.1
28	Asha	35	-	-	5.2	19.9	34.4	5.5	20.4	17.4
29	BP-001	41.5	2.6	5.5	16.3	36.5	11.5	12	2.7	16.6
30	BP-002	42.5	-	7	17.6	22.5	33.4	5.5	-	12

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 11								
		LUDH	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
31	BP-003	20.6	19.7	1.3	7.1	28.1	13.4	4.2	6.5	12.5
32	BP-004	-	-	-	-	38.6	35.1	15.1	6.3	23.8
33	BP-005	9.9	9.1	-	-	36.2	35.7	5.6	-	18.3
34	BP-006	-	4.2	-	-	45.1	7.4	1.7	-	12.8
35	BP-008	8.5	-	-	-	29.9	19	14.3	0.7	17.1
36	KH-274	-	-	-	-	12.3	16.6	-	12.9	5
37	NK 6607	-	-	-	-	34	37.6	16.2	20.3	25.8
38	S 7700	4.5	-	2.1	2.9	48	49	14.7	17.4	30.7
39	S 7720	28.8	20.6	1.5	9.6	24.9	51.5	9.5	17.3	23.4
40	Bisco X9	21	-	-	-	21	24.6	22.4	27.4	23.3
41	Bisco X 5129	29.7	-	-	4.7	27.9	5.5	14.4	-	13.3
42	Bisco New 704	9.8	-	-	-	42.9	50.7	23.8	-	29.6
43	CMH08-239	39	5.3	-	-	5.3	11	-	3.6	2.4
44	CMH08-282	-	-	-	-	34.4	21.5	-	-	11.2
45	CMH08-287	26.2	-	0.2	8	37.2	51.3	7.1	10.7	24.5
	CHECKS									
46	Seedtec 2324	2.1	-	-	-	13.2	16.5	6.6	6.1	10.3
47	Buland	33.1	-	-	-	27.4	30.2	2.1	-	13.2
48	HM 11	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 11

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	CMH08-259	22	-	12.6	4.1	17.8	9	30.3	-	7.8	7.1
2	KNMH-401091	3.5	-	-	-	-	-	35.1	-	-	-
3	KNMH-4010131	-	-	-	-	-	-	-	-	-	-
4	X35A027	74	42	9.1	23.3	8.3	19.8	35.5	-	-	14.2
5	X35B336	110.7	50.2	34	35.9	-	26.5	27.4	16.8	20.7	22
6	X35B337	23.2	29.9	21.5	1.2	1.1	12.8	63.4	39.3	48.1	29.5
7	KMH-2700	1.4	33.3	17.1	32.7	15.2	23.4	26.3	6.6	13.8	21
8	KMH-2689	65.5	-	21.1	3.8	15.9	10.5	46.3	13.8	25.6	13
9	JH 100A	-	-	19	9.8	-	-	34.2	-	9.8	3.3
10	JH 115	30.6	5.5	-	5.7	-	-	0.6	-	-	4.9
11	JH 143	28.6	-	-	-	-	-	9.4	-	2	-
12	JH 199	33.6	8.7	-	35.1	-	1	35.5	-	-	-
13	JH 200	-	2.4	52.7	30.4	-	12.9	4.2	54.8	36.4	10.9
14	JH 210	-	11.7	-	21.1	-	-	6.5	-	-	-
15	JH 216	-	-	25.4	13.9	-	-	46.5	-	13.8	4.3
16	A 7503	-	20.7	27.4	24.5	14.3	20.6	12.1	-	-	12.5
17	PRO 380	133.7	45.8	32.8	41.3	-	24.8	46.3	3.5	19.1	21.9
18	PRO 381	76.7	14.5	-	21.3	12.5	11.7	41.1	6.8	19.3	16.9
19	HKH 402	-	-	-	-	-	-	-	-	-	-
20	HKH 408	-	3	0.9	-	-	-	13.1	-	-	1.5
21	DMH 117	67.6	1.7	5.6	4.6	-	1	4.9	-	-	1
22	NMH-731	75.5	39.6	23.5	23.4	1.4	19.9	17	-	-	15
23	NMH-713	2.5	19.2	24.7	44.5	1.2	18.8	4.8	18.6	13.6	21.7
24	NMH-920	1.1	25.1	33.1	14.6	-	14	21.6	9	13.6	14.2
25	NMH-666	3	32.4	6.1	30.2	-	14.3	27.5	35.9	32.8	18.6
26	RJMH-2020	5	22.3	25.7	16	1.5	14.6	10.3	56.9	39.9	13.6
27	RJMH-2 by 1	33.1	-	7.4	17.2	-	-	33.3	-	6.3	6.5
28	Asha	33.6	16.3	16.1	15.7	-	9	50.9	-	14.7	12.2
29	BP-001	10.9	-	11.2	-	1.1	0.6	44.5	-	10.4	9.7
30	BP-002	71	17.3	15.1	19	-	8.5	15.5	-	-	6.2

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

TABLE No.1 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 11

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
31	BP-003	86	-	18.2	28.3	0.1	6.9	25	8.1	14.2	9.8
32	BP-004	20.2	18.9	11.3	28.3	4.3	13.9	40.4	5.6	18.3	14.9
33	BP-005	2.2	4.3	1.9	16.6	-	3.5	44.7	-	2.9	6.7
34	BP-006	107.3	11.1	20.7	20.1	-	10.3	8.6	7.8	8.1	6.8
35	BP-008	51.2	5.1	31.4	24.4	-	11.1	3.6	-	-	3.4
36	KH-274	110.6	24.2	-	-	0.2	2.7	20.9	-	6.5	0.3
37	NK 6607	109.7	22.5	21.3	32	6.1	18.3	43.9	82.2	68.2	21.7
38	S 7700	20.8	32.9	27.4	9.6	-	14.6	45.6	31	36.3	21.4
39	S 7720	54.8	32.2	28.5	9.5	3.2	17.1	23.6	-	3.7	16.6
40	Bisco X9	52.1	21.1	6.5	-	1.7	6.7	25.8	-	-	10.5
41	Bisco X 5129	44.5	42.8	0.1	14.3	5.9	15.5	43.3	3	17.7	13.4
42	Bisco New 704	-	35.2	50.5	2.9	2.1	21	38.4	61.6	53.2	23.7
43	CMH08-239	30.3	36.3	3.9	20	9.9	17.1	40	-	9.5	7.4
44	CMH08-282	62.8	-	5.4	-	20.6	6.6	-	-	-	5.4
45	CMH08-287	36.9	3.5	15.3	28.2	22.9	17.4	38.5	-	1.9	16.6
	CHECKS										
46	Seedtec 2324	-	-	-	-	-	-	-	-	-	-
47	Buland	28.5	26.1	-	-	-	-	33.1	-	-	-
48	HM 11	-	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.4 %: ARBH 30.2 %

Table No.1 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST								
		LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	23.6	17.7	12.0	17.8	25.6	24.7	27.0	21.5	24.7
2	KNMH-401091	23.3	16.1	13.3	17.6	26.4	19.6	31.6	21.1	24.6
3	KNMH-4010131	23.0	-	14.7	18.8	-	21.3	31.7	21.8	24.9
4	X35A027	24.5	16.4	14.3	18.4	25.5	19.1	29.3	21.0	23.7
5	X35B336	21.6	17.4	14.7	17.9	24.5	23.0	30.1	21.6	24.8
6	X35B337	22.5	14.2	13.0	16.5	25.4	19.1	26.8	22.1	23.3
7	KMH-2700	25.8	23.4	12.7	20.6	25.7	24.5	30.9	20.7	25.4
8	KMH-2689	26.0	28.9	13.7	22.9	24.5	26.8	29.5	22.7	25.9
9	JH 100A	24.1	14.9	14.7	17.9	24.6	27.5	30.5	21.6	26.1
10	JH 115	25.2	27.5	13.7	22.1	25.8	22.9	27.4	22.5	24.6
11	JH 143	24.0	21.8	12.3	19.3	24.1	23.6	29.0	21.5	24.5
12	JH 199	25.5	18.4	13.3	19.1	25.8	21.6	27.9	21.4	24.2
13	JH 200	23.0	16.5	14.7	18.0	24.8	24.1	28.8	21.9	24.9
14	JH 210	22.1	15.5	13.7	17.1	24.6	21.3	29.7	21.8	24.3
15	JH 216	24.4	24.1	14.3	20.9	26.1	23.8	29.4	21.9	25.3
16	A 7503	23.8	21.0	14.3	19.7	25.4	24.2	30.8	22.7	25.8
17	PRO 380	24.2	16.9	13.3	18.1	26.7	24.1	29.5	21.1	25.4
18	PRO 381	23.3	25.2	12.3	20.2	25.6	22.9	28.7	20.0	24.3
19	HKH 402	23.9	15.3	12.7	17.3	23.9	26.1	28.0	21.6	24.9
20	HKH 408	23.7	15.2	13.7	17.5	23.2	23.9	27.0	21.2	23.8
21	DMH 117	25.1	16.5	14.3	18.6	25.5	19.6	28.9	20.5	23.6
22	NMH-731	24.3	15.8	13.3	17.8	26.0	20.1	28.1	21.1	23.8
23	NMH-713	25.9	19.4	12.3	19.2	25.7	21.2	27.0	21.4	23.8
24	NMH-920	25.5	25.7	13.3	21.5	26.0	23.9	29.5	22.2	25.4
25	NMH-666	23.5	13.0	14.7	17.0	26.3	18.7	29.2	20.1	23.6
26	RJMH-2020	24.4	13.6	13.0	17.0	26.7	22.0	27.7	22.4	24.7
27	RJMH-2 by 1	23.0	20.0	13.3	18.7	25.5	24.6	30.3	21.3	25.4
28	Asha	24.2	18.3	14.7	19.0	25.6	21.4	31.0	22.4	25.1
29	BP-001	23.6	18.5	13.7	18.6	26.2	22.9	29.2	20.2	24.6
30	BP-002	21.9	16.3	12.3	16.8	24.9	20.3	30.2	21.6	24.2

Table No.1 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
31	BP-003	22.9	15.1	14.0	17.3	24.9	25.5	29.9	21.7	25.5
32	BP-004	23.9	17.6	14.3	18.6	27.0	24.8	31.2	19.4	25.6
33	BP-005	24.8	20.3	12.7	19.3	25.5	22.6	31.3	21.2	25.1
34	BP-006	23.7	17.4	13.3	18.1	26.3	23.6	29.8	21.9	25.4
35	BP-008	25.7	16.7	14.7	19.0	25.1	21.2	29.2	21.6	24.3
36	KH-274	25.0	21.4	14.3	20.2	26.5	20.8	27.9	21.1	24.1
37	NK 6607	23.7	14.3	12.7	16.9	27.8	19.7	29.1	21.6	24.5
38	S 7700	25.8	20.2	12.7	19.5	27.0	20.9	29.2	21.9	24.7
39	S 7720	23.0	23.8	14.3	20.4	25.5	20.2	31.3	22.3	24.8
40	Bisco X9	24.3	18.0	15.0	19.1	25.7	25.9	28.5	21.9	25.5
41	Bisco X 5129	25.6	19.1	14.3	19.7	25.4	23.7	28.0	20.0	24.3
42	Bisco New 704	26.1	22.4	13.3	20.6	27.1	23.1	29.9	22.8	25.7
43	CMH08-239	23.1	16.5	12.3	17.3	25.4	25.6	28.2	21.8	25.2
44	CMH08-282	24.7	17.6	13.3	18.5	24.9	20.1	27.5	22.4	23.7
45	CMH08-287	22.6	13.9	14.7	17.1	26.2	22.2	29.6	21.5	24.9
	CHECKS									
46	Seedtec 2324	24.1	23.2	14.7	20.6	25.3	22.4	30.6	21.1	24.8
47	Buland	23.6	16.7	14.3	18.2	25.4	22.3	27.7	21.7	24.3
48	HM 11	24.4	17.3	14.7	18.8	23.6	20.1	28.2	22.4	23.6
	Loc. Mean	24.1	18.6	13.7	18.8	25.5	22.6	29.2	21.5	24.7
	C.D. (5%)	1.39	3.82	1.42	3.56	1.09	2.94	0.50	0.00	1.99
	C.V. (%)	3.56	12.53	6.43	11.69	2.61	8.03	1.05	0.00	5.77
	F (Prob)	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.56

Table No.1 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	17.2	17.1	15.4	17.1	22.7	17.9	17.7	15.3	16.5	19.6
2	KNMH-401091	19.1	18.6	16.0	-	23.8	19.4	18.3	13.3	15.8	20.0
3	KNMH-4010131	23.4	17.8	13.1	-	23.9	19.5	-	-	-	21.2
4	X35A027	18.9	20.2	14.4	16.8	22.7	18.6	17.7	14.7	16.2	19.7
5	X35B336	20.8	13.8	15.6	17.7	25.5	18.7	17.7	18.1	17.9	20.1
6	X35B337	17.0	19.6	15.9	17.1	20.3	18.0	18.6	17.1	17.8	19.2
7	KMH-2700	21.0	20.6	13.6	19.8	25.5	20.1	18.3	16.8	17.6	21.4
8	KMH-2689	26.1	20.2	15.6	18.5	23.3	20.7	17.7	15.9	16.8	22.1
9	JH 100A	21.2	19.9	14.8	16.5	24.3	19.3	18.1	15.8	16.9	20.6
10	JH 115	20.3	20.1	15.8	17.7	23.0	19.4	17.1	14.7	15.9	21.0
11	JH 143	16.6	16.5	16.0	16.5	24.9	18.1	17.5	17.2	17.3	20.1
12	JH 199	20.1	16.7	16.6	17.0	23.1	18.7	17.1	15.6	16.3	20.0
13	JH 200	15.6	17.6	15.5	17.4	23.9	18.0	17.3	14.2	15.7	19.6
14	JH 210	17.0	17.6	15.9	16.2	22.8	17.9	17.1	14.2	15.6	19.2
15	JH 216	16.0	19.6	14.8	17.8	21.5	17.9	18.7	16.4	17.6	20.6
16	A 7503	22.6	17.6	16.6	17.3	24.6	19.7	17.2	18.1	17.6	21.1
17	PRO 380	23.3	19.6	15.8	18.1	23.1	20.0	17.7	16.9	17.3	20.7
18	PRO 381	23.4	16.7	15.2	18.5	23.4	19.4	18.3	15.5	16.9	20.6
19	HKH 402	14.7	18.4	14.3	16.3	22.4	17.2	17.6	12.7	15.2	19.1
20	HKH 408	15.0	18.8	14.9	16.8	20.0	17.1	18.0	12.4	15.2	18.8
21	DMH 117	23.1	19.2	16.3	17.4	23.2	19.8	16.2	15.1	15.6	20.0
22	NMH-731	19.4	17.8	15.0	17.5	23.9	18.7	17.7	14.2	15.9	19.6
23	NMH-713	18.3	19.8	16.6	17.2	23.6	19.1	17.0	15.7	16.4	20.1
24	NMH-920	21.3	16.5	16.3	17.2	23.4	18.9	18.5	15.3	16.9	21.0
25	NMH-666	15.2	11.6	16.2	17.4	23.7	16.8	18.2	15.1	16.6	18.7
26	RJMH-2020	18.9	21.0	15.1	17.2	24.2	19.3	17.1	16.4	16.7	20.0
27	RJMH-2 by 1	19.1	20.3	16.1	16.6	24.1	19.2	18.0	15.3	16.6	20.5
28	Asha	18.1	11.6	14.7	16.7	21.3	16.5	18.5	14.5	16.5	19.5
29	BP-001	21.7	20.4	14.3	16.3	24.4	19.4	18.4	13.9	16.2	20.2
30	BP-002	21.9	18.6	15.8	16.7	24.2	19.4	16.9	15.8	16.4	19.8

Table No.1 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	19.6	19.9	15.4	16.8	22.5	18.8	18.5	14.7	16.6	20.1
32	BP-004	19.2	20.9	16.0	17.6	23.9	19.5	17.8	16.1	16.9	20.7
33	BP-005	22.9	17.8	15.6	17.7	25.4	19.9	17.6	15.1	16.3	20.7
34	BP-006	20.6	20.1	15.3	17.4	23.9	19.5	17.7	14.8	16.2	20.4
35	BP-008	20.8	18.6	15.6	17.3	24.7	19.4	17.8	16.6	17.2	20.4
36	KH-274	24.4	17.9	15.0	16.3	22.4	19.2	18.0	10.5	14.3	20.1
37	NK 6607	17.3	18.6	15.3	17.3	22.1	18.1	18.2	13.9	16.0	19.4
38	S 7700	17.3	17.8	14.8	18.2	24.5	18.5	18.7	14.4	16.5	20.2
39	S 7720	18.8	20.0	15.3	17.2	25.5	19.3	18.5	14.0	16.2	20.7
40	Bisco X9	21.8	18.1	15.3	17.6	21.7	18.9	18.1	15.3	16.7	20.5
41	Bisco X 5129	18.1	20.0	15.9	17.8	24.1	19.2	18.3	16.1	17.2	20.4
42	Bisco New 704	18.7	21.3	15.6	17.6	27.8	20.2	18.5	16.4	17.4	21.4
43	CMH08-239	21.3	20.0	15.1	17.4	24.2	19.6	18.3	15.4	16.8	20.3
44	CMH08-282	21.1	21.6	15.4	16.9	23.1	19.6	16.9	17.9	17.4	20.2
45	CMH08-287	22.1	17.9	15.8	17.6	25.6	19.8	18.3	17.5	17.9	20.4
	CHECKS										
46	Seedtec 2324	20.4	20.7	15.2	-	23.6	20.0	16.6	15.5	16.0	21.0
47	Buland	21.1	19.5	14.8	16.3	19.1	18.1	17.2	13.2	15.2	19.5
48	HM 11	19.0	16.4	15.2	17.2	22.7	18.1	17.2	13.0	15.1	19.4
	Loc. Mean	19.8	18.6	15.4	17.3	23.5	18.9	17.8	15.2	16.2	20.2
	C.D. (5%)	3.53	0.00	1.07	0.39	1.05	2.05	0.45	1.43	2.45	1.25
	C.V. (%)	11.00	0.00	4.29	1.36	2.76	8.70	1.53	5.75	7.55	8.33
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % KANP	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	75.5	73.1	85.4	76.8	78.4	78.4
2	KNMH-401091	74.7	74.1	82.5	75.0	77.4	77.3
3	KNMH-4010131	73.0	-	87.7	71.0	77.9	78.9
4	X35A027	73.0	81.9	74.1	78.5	77.9	78.1
5	X35B336	73.7	78.0	78.8	77.3	79.1	78.3
6	X35B337	74.7	79.1	86.6	78.3	79.0	80.7
7	KMH-2700	73.0	71.6	83.3	76.5	76.5	77.0
8	KMH-2689	72.7	76.6	86.7	77.0	77.7	79.5
9	JH 100A	73.3	76.2	81.2	77.3	80.6	78.8
10	JH 115	72.7	78.6	81.1	76.0	77.6	78.3
11	JH 143	72.7	78.3	88.0	77.0	75.6	79.7
12	JH 199	75.0	76.7	75.7	76.0	77.0	76.3
13	JH 200	74.3	77.3	83.8	76.0	78.1	78.8
14	JH 210	72.3	76.9	83.8	75.0	77.9	78.4
15	JH 216	74.0	76.8	83.3	77.3	78.4	78.9
16	A 7503	73.3	77.4	84.7	75.3	81.1	79.6
17	PRO 380	73.0	77.6	85.5	78.3	75.8	79.3
18	PRO 381	74.0	71.8	82.5	76.8	78.2	77.3
19	HKH 402	74.7	78.3	76.5	75.8	79.8	77.6
20	HKH 408	75.3	76.2	83.3	75.5	78.0	78.2
21	DMH 117	74.3	74.5	70.6	76.0	79.6	75.2
22	NMH-731	72.7	80.4	86.5	76.0	77.8	80.2
23	NMH-713	73.7	72.9	82.1	76.5	76.5	77.0
24	NMH-920	74.3	74.9	84.6	77.5	79.0	79.0
25	NMH-666	74.3	80.2	84.1	76.3	76.6	79.3
26	RJMH-2020	73.7	78.7	83.3	77.5	79.9	79.8
27	RJMH-2 by 1	73.7	71.5	81.4	77.5	75.0	76.3

Table No.1 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % KANP	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
28	Asha	74.7	76.5	91.0	76.0	78.2	80.4
29	BP-001	73.7	81.0	78.9	77.3	79.2	79.1
30	BP-002	73.7	74.1	74.8	78.0	78.5	76.3
31	BP-003	73.3	75.9	81.2	77.0	78.4	78.1
32	BP-004	74.7	77.3	83.1	77.5	78.1	79.0
33	BP-005	75.3	75.5	81.2	77.8	76.2	77.6
34	BP-006	74.3	71.0	88.5	76.8	78.8	78.8
35	BP-008	75.0	77.9	83.8	77.5	77.7	79.2
36	KH-274	74.3	76.9	83.7	75.8	78.7	78.8
37	NK 6607	74.3	79.4	79.2	76.0	79.3	78.5
38	S 7700	75.0	76.0	81.5	77.3	79.6	78.6
39	S 7720	74.0	81.3	86.7	77.5	80.8	81.6
40	Bisco X9	74.7	73.1	85.3	78.0	77.7	78.5
41	Bisco X 5129	74.3	79.7	81.6	77.3	78.1	79.2
42	Bisco New 704	75.0	78.1	81.8	77.8	76.2	78.5
43	CMH08-239	73.0	69.3	72.9	76.5	77.1	73.9
44	CMH08-282	73.7	76.8	79.5	76.0	77.2	77.4
45	CMH08-287	73.7	74.9	79.5	78.0	77.6	77.5
	CHECKS						
46	Seedtec 2324	75.3	78.3	85.0	75.0	78.5	79.2
47	Buland	73.7	69.7	85.0	75.3	77.0	76.7
48	HM 11	74.0	71.0	75.4	75.8	79.6	75.4
	Loc. Mean	74.0	76.2	82.2	76.6	78.1	78.3
	C.D. (5%)	1.55	2.02	7.24	0.97	0.00	3.84
	C.V. (%)	1.30	1.61	5.43	0.78	0.00	3.50
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.30

Table No.1 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	80.4	74.5	80.2	77.2	75.8	77.6	79.1	75.9	77.5	77.7
2	KNMH-401091	79.9	71.1	79.6	-	73.9	76.1	73.3	82.3	77.8	76.7
3	KNMH-4010131	72.1	73.2	71.3	-	74.0	72.6	-	-	-	75.0
4	X35A027	85.2	82.3	83.2	81.2	82.0	82.8	80.0	85.4	82.7	80.4
5	X35B336	82.0	82.5	79.2	79.9	80.5	80.8	80.0	78.3	79.2	79.1
6	X35B337	79.6	81.6	80.5	80.8	78.5	80.2	78.9	78.7	78.8	79.7
7	KMH-2700	78.2	76.7	79.9	79.8	78.3	78.6	74.4	81.0	77.7	77.4
8	KMH-2689	84.7	74.7	82.8	82.9	80.1	81.0	79.8	79.6	79.7	79.6
9	JH 100A	79.9	79.1	85.0	81.0	79.3	80.9	77.2	84.2	80.7	79.5
10	JH 115	80.3	79.5	80.6	79.7	79.1	79.8	73.9	80.0	77.0	78.3
11	JH 143	83.5	77.4	85.5	81.4	77.8	81.1	76.3	88.4	82.4	80.1
12	JH 199	82.5	81.2	83.2	80.4	76.6	80.8	78.2	81.2	79.7	78.6
13	JH 200	81.5	77.6	85.9	79.7	77.5	80.4	75.7	82.1	78.9	79.1
14	JH 210	79.1	79.3	77.8	79.6	78.3	78.8	73.2	50.3	61.7	75.3
15	JH 216	68.8	78.5	79.6	79.0	75.7	76.3	72.6	82.3	77.4	77.2
16	A 7503	83.2	79.6	80.9	80.4	79.7	80.8	76.8	84.1	80.4	79.7
17	PRO 380	84.1	80.3	81.1	82.0	78.6	81.2	76.8	79.8	78.3	79.4
18	PRO 381	82.2	72.0	83.2	80.1	72.1	77.9	71.3	81.7	76.5	77.1
19	HKH 402	82.8	78.7	80.7	77.8	78.6	79.7	77.8	83.0	80.4	78.7
20	HKH 408	82.7	79.7	83.2	80.1	78.1	80.8	71.3	79.9	75.6	78.6
21	DMH 117	79.1	73.4	78.5	79.3	74.0	76.9	72.0	84.9	78.4	76.3
22	NMH-731	85.6	80.8	84.6	78.1	80.2	81.9	79.3	81.9	80.6	80.3
23	NMH-713	81.0	78.2	83.5	83.5	78.4	80.9	75.8	83.4	79.6	78.8
24	NMH-920	81.2	74.2	80.2	80.1	74.7	78.1	70.0	76.6	73.3	77.3
25	NMH-666	83.3	82.8	80.6	78.2	81.3	81.2	79.9	81.9	80.9	79.9
26	RJMH-2020	82.4	81.5	84.7	80.0	81.7	82.0	75.3	83.0	79.2	80.1
27	RJMH-2 by 1	81.7	73.4	83.2	82.2	73.5	78.8	73.8	83.2	78.5	77.5
28	Asha	82.3	77.9	83.4	81.8	78.6	80.8	79.2	84.4	81.8	80.3
29	BP-001	80.7	78.2	83.2	80.2	79.2	80.3	75.2	81.8	78.5	79.0
30	BP-002	80.0	75.5	78.2	79.9	74.8	77.7	77.6	79.4	78.5	77.0

Table No.1 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	81.8	75.5	80.8	80.1	75.7	78.7	77.9	75.6	76.7	77.7
32	BP-004	77.8	74.3	83.0	82.0	76.1	78.6	73.2	77.5	75.3	77.9
33	BP-005	80.9	75.9	77.8	78.4	71.3	76.8	75.3	80.1	77.7	77.1
34	BP-006	79.7	75.1	83.6	82.2	74.0	78.9	73.6	79.5	76.5	78.1
35	BP-008	83.4	76.6	84.2	80.8	75.6	80.1	75.5	76.7	76.1	78.7
36	KH-274	85.1	79.9	82.5	76.7	79.9	80.8	78.5	84.5	81.5	79.7
37	NK 6607	83.1	80.8	80.5	79.3	80.8	80.9	79.0	84.5	81.8	79.7
38	S 7700	82.8	77.2	82.5	79.6	78.7	80.1	79.7	86.0	82.8	79.6
39	S 7720	86.0	83.9	85.4	80.5	82.1	83.6	79.2	86.3	82.7	82.0
40	Bisco X9	80.0	80.7	80.0	79.2	78.5	79.7	73.2	82.3	77.7	78.5
41	Bisco X 5129	84.4	78.2	81.7	81.5	75.9	80.3	78.1	84.0	81.1	79.6
42	Bisco New 704	79.1	78.5	82.0	79.0	74.3	78.6	73.7	80.1	76.9	78.0
43	CMH08-239	83.1	79.1	77.1	80.2	78.4	79.6	74.4	79.9	77.1	76.7
44	CMH08-282	84.0	77.2	85.8	78.8	79.5	81.0	73.8	82.4	78.1	78.7
45	CMH08-287	81.5	75.3	84.5	79.2	79.7	80.0	79.5	78.8	79.1	78.5
	CHECKS										
46	Seedtec 2324	75.8	76.7	80.7	-	76.9	77.5	69.5	80.5	75.0	77.5
47	Buland	77.3	76.5	82.9	76.9	73.2	77.4	75.4	78.5	77.0	76.8
48	HM 11	79.5	74.6	82.6	83.1	77.9	79.5	70.2	77.2	73.7	76.7
	Loc. Mean	81.1	77.7	81.7	80.1	77.5	79.6	75.8	80.7	76.6	78.4
	C.D. (5%)	2.63	0.00	4.70	1.12	1.66	2.72	3.36	8.98	7.84	2.19
	C.V. (%)	2.00	0.00	3.55	0.84	1.32	2.74	2.70	6.79	5.09	3.49
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	66.7	53.9	78.1	66.2	68.8	55.6	82.6	66.0	68.2
2	KNMH-401091	58.3	10.0	77.1	48.5	56.9	31.1	38.9	22.9	37.5
3	KNMH-4010131	72.2	-	76.4	74.3	-	8.9	20.1	11.1	13.4
4	X35A027	70.4	56.7	75.0	67.3	67.4	65.0	81.3	66.7	70.1
5	X35B336	57.4	82.8	73.6	71.3	61.8	65.6	81.9	68.8	69.5
6	X35B337	61.1	75.6	70.8	69.2	62.5	66.7	82.6	67.4	69.8
7	KMH-2700	66.7	47.2	72.2	62.0	53.5	46.7	72.2	64.6	59.2
8	KMH-2689	66.7	54.4	74.3	65.1	54.2	53.3	82.6	64.6	63.7
9	JH 100A	67.6	56.1	70.8	64.8	56.9	62.8	81.9	67.4	67.3
10	JH 115	73.1	61.1	72.9	69.1	66.7	60.6	81.9	66.0	68.8
11	JH 143	77.8	66.1	70.1	71.3	62.5	58.3	83.3	65.3	67.4
12	JH 199	57.4	42.2	70.8	56.8	51.4	55.0	81.3	64.6	63.1
13	JH 200	78.7	63.3	72.2	71.4	57.6	66.1	82.6	68.1	68.6
14	JH 210	68.5	55.0	71.5	65.0	55.6	56.1	81.3	65.3	64.5
15	JH 216	75.9	51.7	74.3	67.3	60.4	60.6	78.5	64.6	66.0
16	A 7503	63.0	31.1	72.2	55.4	47.2	43.3	72.2	64.6	56.8
17	PRO 380	75.9	59.4	69.4	68.3	61.1	58.9	83.3	68.1	67.8
18	PRO 381	71.3	58.3	69.4	66.4	61.1	55.0	81.3	66.7	66.0
19	HKH 402	61.1	57.2	71.5	63.3	64.6	63.9	83.3	66.7	69.6
20	HKH 408	63.9	53.9	72.2	63.3	58.3	58.9	80.6	68.1	66.5
21	DMH 117	75.9	37.2	72.2	61.8	58.3	63.9	79.9	68.1	67.5
22	NMH-731	72.2	65.0	70.8	69.4	61.1	61.1	82.6	67.4	68.1
23	NMH-713	67.6	60.0	70.1	65.9	63.9	63.9	83.3	68.1	69.8
24	NMH-920	71.3	64.4	70.8	68.9	59.7	62.8	83.3	66.7	68.1
25	NMH-666	58.3	53.9	69.4	60.6	56.9	58.9	81.9	68.1	66.5
26	RJMH-2020	65.7	51.1	69.4	62.1	56.3	57.8	83.3	66.0	65.8
27	RJMH-2 by 1	66.7	56.1	70.8	64.5	58.3	58.3	83.3	66.7	66.7
28	Asha	61.1	40.6	72.2	58.0	57.6	53.3	79.9	66.7	64.4
29	BP-001	64.8	53.9	71.5	63.4	56.9	55.6	82.6	68.8	66.0
30	BP-002	67.6	47.2	71.5	62.1	56.3	53.3	83.3	68.1	65.2

Locations Rejected due to High C.V.(i.e.> 20%) : ARBHAVI 24.6%

Table No.1 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
31	BP-003	64.8	44.4	68.8	59.3	52.8	56.7	82.6	65.3	64.3
32	BP-004	62.0	70.6	68.8	67.1	59.0	64.4	83.3	66.7	68.4
33	BP-005	68.5	56.7	69.4	64.9	65.3	65.0	82.6	66.7	69.9
34	BP-006	55.6	43.9	68.8	56.1	61.1	61.1	79.9	66.7	67.2
35	BP-008	68.5	50.0	68.8	62.4	58.3	57.8	82.6	67.4	66.5
36	KH-274	60.2	52.8	69.4	60.8	61.8	60.6	82.6	65.3	67.6
37	NK 6607	59.3	61.7	73.6	64.8	63.2	63.3	80.6	66.0	68.3
38	S 7700	69.4	72.8	73.6	71.9	63.2	64.4	82.6	68.8	69.8
39	S 7720	75.9	47.8	70.8	64.8	50.7	41.1	72.9	65.3	57.5
40	Bisco X9	63.9	47.2	71.5	60.9	54.9	58.9	82.6	68.1	66.1
41	Bisco X 5129	71.3	56.1	74.3	67.2	60.4	55.0	81.3	68.8	66.4
42	Bisco New 704	68.5	69.4	70.8	69.6	63.9	59.4	83.3	66.7	68.3
43	CMH08-239	64.8	46.1	70.8	60.6	52.8	55.0	82.6	65.3	63.9
44	CMH08-282	63.9	68.3	70.8	67.7	56.9	58.9	83.3	66.7	66.5
45	CMH08-287	64.8	58.9	73.6	65.8	54.2	58.3	82.6	66.0	65.3
	CHECKS									
46	Seedtec 2324	60.2	2.8	71.5	44.8	32.6	13.3	29.2	29.9	26.3
47	Buland	64.8	43.3	71.5	59.9	51.4	46.1	77.1	67.4	60.5
48	HM 11	64.8	45.0	70.8	60.2	52.1	45.6	77.8	64.6	60.0
	Loc. Mean	66.6	53.3	71.7	64.0	58.1	55.5	78.1	63.8	63.6
	C .D. (5%)	12.72	17.24	2.76	14.07	6.82	10.63	4.97	9.04	6.32
	C .V. (%)	11.78	19.75	2.37	13.56	7.17	11.80	3.93	8.74	7.10
	F (Prob)	0.02	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : ARBHAVI 24.6%

Table No.1 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	50.0	47.8	60.6	58.9	64.6	58.0	59.0	83.3	71.2	65.1
2	KNMH-401091	30.6	12.8	12.8	-	12.5	12.7	58.3	13.9	36.1	33.8
3	KNMH-4010131	26.7	5.0	6.7	-	9.0	6.9	-	-	-	26.2
4	X35A027	56.7	53.9	65.6	58.3	68.8	61.6	62.5	45.8	54.2	64.4
5	X35B336	55.6	56.7	63.9	63.1	69.4	63.3	61.1	79.2	70.1	68.1
6	X35B337	49.4	58.3	58.3	66.1	67.4	62.5	63.2	79.2	71.2	67.6
7	KMH-2700	32.8	43.9	37.8	61.3	69.4	53.1	59.0	79.2	69.1	59.5
8	KMH-2689	45.6	61.7	37.8	59.5	68.8	56.9	56.9	76.4	66.7	62.4
9	JH 100A	48.3	62.8	62.2	62.5	67.4	63.7	58.3	76.4	67.4	65.6
10	JH 115	45.0	66.7	66.1	62.5	68.1	65.8	54.2	76.4	65.3	67.4
11	JH 143	53.3	53.3	59.4	60.7	66.7	60.0	54.9	62.5	58.7	64.7
12	JH 199	46.7	48.3	60.0	65.5	68.1	60.5	56.9	75.0	66.0	61.3
13	JH 200	41.1	52.8	63.9	60.7	69.4	61.7	58.3	79.2	68.7	67.2
14	JH 210	40.6	39.4	58.3	60.7	68.1	56.6	59.0	73.6	66.3	62.5
15	JH 216	23.9	59.4	61.7	61.9	68.8	62.9	60.4	73.6	67.0	65.5
16	A 7503	36.7	44.4	37.2	60.1	67.4	52.3	55.6	41.7	48.6	53.8
17	PRO 380	48.9	55.0	60.6	61.9	66.0	60.9	59.7	76.4	68.1	65.8
18	PRO 381	53.3	56.1	59.4	57.7	68.8	60.5	59.0	79.2	69.1	64.9
19	HKH 402	53.3	65.0	66.7	57.1	68.1	64.2	63.9	79.2	71.5	66.8
20	HKH 408	45.6	42.8	50.6	62.5	68.8	56.1	56.3	79.2	67.7	62.8
21	DMH 117	51.7	55.6	53.3	57.7	63.9	57.6	54.2	62.5	58.3	61.7
22	NMH-731	56.7	47.8	63.9	62.5	68.8	60.7	57.6	70.8	64.2	65.5
23	NMH-713	46.7	57.2	65.6	63.1	70.1	64.0	56.3	70.8	63.5	66.2
24	NMH-920	48.3	52.2	64.4	63.1	68.1	62.0	62.5	81.9	72.2	67.0
25	NMH-666	43.9	44.4	50.0	67.9	66.7	57.2	59.0	79.2	69.1	62.7
26	RJMH-2020	33.9	52.2	51.7	60.1	68.1	58.0	57.6	79.2	68.4	63.0
27	RJMH-2 by 1	52.2	52.2	61.1	65.5	66.7	61.4	58.3	76.4	67.4	64.7
28	Asha	47.8	44.4	42.2	59.5	68.8	53.7	61.8	37.5	49.7	57.4
29	BP-001	50.0	53.9	62.8	58.9	68.1	60.9	60.4	81.9	71.2	64.6
30	BP-002	58.9	53.3	56.7	59.5	70.1	59.9	54.2	25.0	39.6	58.9

Locations Rejected due to High C.V.(i.e.> 20%) : ARBHAVI 24.6%

Table No.1 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	46.7	60.6	59.4	60.1	65.3	61.3	63.2	76.4	69.8	63.1
32	BP-004	47.2	51.7	62.2	61.9	67.4	60.8	61.8	63.9	62.8	64.9
33	BP-005	43.3	53.9	55.0	62.5	68.8	60.0	56.9	68.1	62.5	64.6
34	BP-006	53.3	50.0	66.1	58.3	68.1	60.6	56.9	81.9	69.4	62.9
35	BP-008	52.2	55.6	60.6	68.5	68.8	63.3	55.6	41.7	48.6	61.8
36	KH-274	55.6	54.4	60.0	57.7	67.4	59.9	60.4	65.3	62.8	62.9
37	NK 6607	46.7	60.6	61.1	65.5	68.1	63.8	59.7	79.2	69.4	66.3
38	S 7700	52.8	53.3	66.7	63.7	66.0	62.4	56.9	83.3	70.1	68.1
39	S 7720	43.9	46.7	48.3	60.1	68.1	55.8	57.6	75.0	66.3	60.0
40	Bisco X9	51.7	53.9	61.7	64.3	66.7	61.6	56.9	73.6	65.3	63.4
41	Bisco X 5129	51.1	50.6	55.0	60.7	68.8	58.8	62.5	76.4	69.4	64.7
42	Bisco New 704	42.8	57.2	63.3	58.9	69.4	62.2	59.7	79.2	69.4	66.9
43	CMH08-239	55.0	46.7	57.2	58.9	69.4	58.1	59.7	66.7	63.2	61.2
44	CMH08-282	47.8	58.9	59.4	63.1	69.4	62.7	60.4	73.6	67.0	65.7
45	CMH08-287	51.1	42.2	46.7	56.0	70.8	53.9	56.3	75.0	65.6	62.0
	CHECKS										
46	Seedtec 2324	22.2	11.7	7.8	-	7.6	9.0	51.4	22.2	36.8	28.3
47	Buland	46.7	52.8	62.2	60.7	66.0	60.4	59.7	63.9	61.8	60.5
48	HM 11	46.7	45.0	33.3	58.3	67.4	51.0	52.1	80.6	66.3	58.3
	Loc. Mean	46.5	50.1	54.3	61.3	64.3	56.7	58.4	68.9	62.4	61.5
	C .D. (5%)	18.50	5.83	7.71	5.49	3.66	7.20	5.11	8.87	23.05	5.86
	C .V. (%)	24.56	7.17	8.76	5.34	3.51	9.09	5.34	7.85	18.38	12.37
	F (Prob)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : ARBHAVI 24.6%

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED								
		LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	144.0	128.7	102.5	125.1	123.3	121.3	110.0	76.0	107.7
2	KNMH-401091	146.3	131.0	96.7	124.7	128.7	123.3	114.0	79.3	111.3
3	KNMH-4010131	145.7	-	94.3	120.0	-	124.3	115.7	77.7	105.9
4	X35A027	145.7	129.3	94.0	123.0	125.0	126.3	113.0	76.7	110.3
5	X35B336	146.3	130.0	96.0	124.1	126.3	123.0	113.3	78.7	110.3
6	X35B337	140.3	127.7	96.3	121.4	123.3	119.7	112.7	75.7	107.8
7	KMH-2700	145.3	128.7	97.7	123.9	124.7	121.0	113.0	74.3	108.3
8	KMH-2689	146.3	130.7	100.3	125.8	124.3	126.0	112.3	77.3	110.0
9	JH 100A	146.0	131.7	104.0	127.2	128.3	128.7	115.3	80.7	113.3
10	JH 115	143.7	128.3	101.7	124.6	124.3	125.3	113.7	74.7	109.5
11	JH 143	143.3	129.3	101.7	124.8	122.3	125.0	113.3	76.3	109.3
12	JH 199	141.0	127.3	106.7	125.0	123.3	123.7	113.0	75.3	108.8
13	JH 200	141.7	125.7	109.3	125.6	121.3	120.0	110.0	74.3	106.4
14	JH 210	145.3	128.0	105.3	126.2	126.7	125.3	112.7	77.0	110.4
15	JH 216	142.7	127.3	101.0	123.7	125.3	121.0	111.7	75.7	108.4
16	A 7503	146.7	132.0	102.3	127.0	125.7	126.3	115.7	79.0	111.7
17	PRO 380	145.0	128.3	104.7	126.0	125.0	124.0	112.0	77.3	109.6
18	PRO 381	139.0	130.0	103.7	124.2	120.7	123.3	111.0	76.0	107.8
19	HKH 402	147.3	128.0	106.3	127.2	120.7	122.3	110.7	74.3	107.0
20	HKH 408	142.0	128.0	103.7	124.6	120.0	120.3	111.0	72.0	105.8
21	DMH 117	147.3	130.7	107.3	128.4	127.7	125.7	114.0	76.7	111.0
22	NMH-731	142.3	122.0	106.0	123.4	120.3	120.0	107.0	76.3	105.9
23	NMH-713	148.0	129.7	104.7	127.4	125.3	122.7	109.3	75.0	108.1
24	NMH-920	149.7	131.0	102.0	127.6	129.7	125.3	112.3	77.0	111.1
25	NMH-666	147.3	126.7	104.7	126.2	119.3	123.0	107.0	76.0	106.3
26	RJMH-2020	146.0	126.7	109.0	127.2	124.0	123.7	106.3	78.0	108.0
27	RJMH-2 by 1	146.0	132.0	108.0	128.7	126.3	124.7	114.7	78.0	110.9
28	Asha	142.0	125.7	104.7	124.1	121.7	122.3	111.3	76.0	107.8
29	BP-001	143.7	131.0	105.0	126.6	126.3	124.0	114.3	78.3	110.8
30	BP-002	146.0	131.0	107.3	128.1	126.3	126.7	114.0	79.3	111.6

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED			ZN 2					ZN 3
		LUDH	DELH	KANP	Mean	BAHR	DHOL	VARA	BHUB	Mean
31	BP-003	146.3	131.0	109.0	128.8	127.3	126.7	113.7	78.7	111.6
32	BP-004	144.7	129.0	108.3	127.3	126.7	122.7	115.3	78.0	110.7
33	BP-005	146.7	130.0	103.3	126.7	122.3	124.0	115.3	75.0	109.2
34	BP-006	146.0	130.7	106.0	127.6	127.7	124.0	114.0	76.0	110.4
35	BP-008	146.0	131.0	107.3	128.1	124.7	125.3	114.0	77.7	110.4
36	KH-274	149.3	130.3	104.0	127.9	122.3	123.3	111.7	74.3	107.9
37	NK 6607	149.3	130.3	107.0	128.9	124.7	122.7	110.0	75.7	108.3
38	S 7700	142.0	124.7	107.7	124.8	124.7	120.0	107.7	73.3	106.4
39	S 7720	146.3	130.7	107.7	128.2	124.7	123.3	113.0	77.7	109.7
40	Bisco X9	148.7	130.7	105.3	128.2	124.3	125.0	112.7	77.0	109.8
41	Bisco X 5129	145.3	125.3	107.7	126.1	122.7	121.7	106.7	73.3	106.1
42	Bisco New 704	144.0	132.0	107.7	127.9	124.0	126.7	114.7	79.3	111.2
43	CMH08-239	146.3	126.7	107.0	126.7	120.3	118.3	110.0	73.3	105.5
44	CMH08-282	141.7	128.3	106.3	125.4	123.3	121.7	112.3	74.3	107.9
45	CMH08-287	145.0	129.3	106.0	126.8	127.3	125.0	114.0	78.7	111.3
	CHECKS									
46	Seedtec 2324	147.3	129.0	104.7	127.0	121.3	126.7	113.0	79.3	110.1
47	Buland	141.7	131.0	105.7	126.1	126.3	130.7	114.3	80.0	112.8
48	HM 11	141.0	129.3	105.3	125.2	120.7	122.7	112.3	75.0	107.7
	Loc. Mean	145.0	129.1	104.2	126.0	124.3	123.7	112.3	76.6	109.1
	C.D. (5%)	4.61	2.92	3.27	4.65	1.27	3.38	1.55	1.66	2.96
	C.V. (%)	1.96	1.38	1.93	2.28	0.63	1.69	0.85	1.34	1.94
	F (Prob)	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED									
		ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	82.3	70.3	72.7	66.7	62.7	70.9	87.0	81.7	84.3	94.9
2	KNMH-401091	85.0	73.3	74.3	-	66.7	74.8	87.3	86.0	86.7	99.4
3	KNMH-4010131	83.7	73.0	74.0	-	63.3	73.5	-	-	-	94.6
4	X35A027	83.0	73.3	74.3	65.7	62.0	71.7	87.0	82.0	84.5	95.5
5	X35B336	83.7	73.3	72.7	68.7	62.7	72.2	88.0	82.3	85.2	96.1
6	X35B337	84.7	75.3	73.3	67.0	61.7	72.4	87.3	82.7	85.0	94.8
7	KMH-2700	80.7	72.0	72.7	66.3	60.3	70.4	87.0	79.7	83.3	94.5
8	KMH-2689	83.7	73.0	74.0	68.0	62.0	72.1	88.0	84.0	86.0	96.4
9	JH 100A	91.0	73.3	75.3	67.7	65.3	74.5	86.7	87.7	87.2	98.7
10	JH 115	84.0	72.3	75.0	66.3	62.3	72.0	85.7	81.7	83.7	95.6
11	JH 143	84.3	72.7	73.7	68.0	62.0	72.1	85.3	83.7	84.5	95.8
12	JH 199	82.0	68.7	72.7	65.3	62.3	70.2	87.0	82.0	84.5	95.0
13	JH 200	80.7	71.0	73.7	66.0	60.7	70.4	85.3	78.7	82.0	94.2
14	JH 210	84.0	73.3	74.7	67.3	63.7	72.6	86.3	82.7	84.5	96.6
15	JH 216	81.0	73.3	73.0	66.7	60.7	70.9	86.3	77.0	81.7	94.5
16	A 7503	86.3	73.3	76.3	68.0	63.7	73.5	85.7	81.7	83.7	97.3
17	PRO 380	83.3	72.7	73.0	68.3	60.7	71.6	87.7	83.7	85.7	96.1
18	PRO 381	83.0	72.7	73.7	68.3	60.7	71.7	88.7	79.7	84.2	95.0
19	HKH 402	81.0	69.7	72.3	67.0	59.7	69.9	86.7	80.7	83.7	94.8
20	HKH 408	81.0	63.0	71.7	67.3	58.0	68.2	86.7	77.0	81.8	93.0
21	DMH 117	83.0	72.3	74.0	68.0	67.3	72.9	86.3	83.7	85.0	97.4
22	NMH-731	80.3	68.7	74.0	64.7	60.3	69.6	87.3	78.7	83.0	93.4
23	NMH-713	81.0	73.7	73.7	65.7	63.3	71.5	86.0	83.7	84.8	95.8
24	NMH-920	83.7	72.7	73.7	69.7	52.0	70.3	85.3	84.0	84.7	96.3
25	NMH-666	82.7	70.7	73.3	68.0	61.7	71.3	87.0	81.3	84.2	94.9
26	RJMH-2020	83.3	72.3	73.7	68.7	62.3	72.1	87.3	80.7	84.0	95.9
27	RJMH-2 by 1	86.3	74.0	75.3	69.3	64.7	73.9	86.3	83.3	84.8	97.8
28	Asha	82.3	71.0	73.3	67.7	61.0	71.1	87.7	78.3	83.0	94.6
29	BP-001	86.0	73.0	73.3	69.3	62.3	72.8	87.3	82.3	84.8	96.9
30	BP-002	83.0	72.3	75.0	67.7	62.3	72.1	86.0	82.0	84.0	97.1

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED									
		ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	83.0	73.0	74.3	67.7	61.3	71.9	87.0	80.0	83.5	97.1
32	BP-004	85.0	73.7	74.0	69.0	62.7	72.9	86.3	83.0	84.7	97.0
33	BP-005	86.3	73.0	73.3	67.7	63.7	72.8	88.7	80.0	84.3	96.4
34	BP-006	83.7	73.0	73.3	68.7	61.7	72.1	88.3	85.3	86.8	97.0
35	BP-008	84.0	73.0	74.0	68.3	62.3	72.3	86.0	83.7	84.8	97.0
36	KH-274	83.3	72.0	72.7	67.7	61.7	71.5	87.0	79.3	83.2	95.6
37	NK 6607	80.0	72.3	73.3	64.0	61.3	70.2	87.7	80.7	84.2	95.6
38	S 7700	81.0	66.3	72.3	65.0	59.3	68.8	86.3	76.3	81.3	93.3
39	S 7720	84.0	72.0	72.7	68.7	63.3	72.1	88.0	78.3	83.2	96.5
40	Bisco X9	85.7	72.3	75.0	69.0	61.7	72.7	87.0	81.7	84.3	96.9
41	Bisco X 5129	81.3	71.7	72.7	69.0	61.7	71.3	86.0	79.7	82.8	94.6
42	Bisco New 704	85.3	71.7	74.0	68.7	63.0	72.5	87.3	83.3	85.3	97.3
43	CMH08-239	79.3	67.3	72.3	64.3	58.7	68.4	86.3	76.0	81.2	93.3
44	CMH08-282	81.0	71.0	72.0	67.7	60.0	70.3	85.7	81.7	83.7	94.8
45	CMH08-287	82.7	71.7	75.3	68.7	63.7	72.4	86.7	81.7	84.2	96.8
	CHECKS										
46	Seedtec 2324	83.0	72.7	75.0	-	66.3	74.3	86.0	79.7	82.8	98.8
47	Buland	87.7	72.7	77.7	71.7	66.3	75.2	86.7	85.3	86.0	98.4
48	HM 11	83.7	74.3	73.3	68.0	61.7	72.2	86.0	81.0	83.5	95.3
	Loc. Mean	83.3	72.0	73.7	67.6	62.1	71.8	86.8	81.5	82.4	95.9
	C.D. (5%)	1.92	2.92	1.53	3.20	3.97	1.95	1.23	3.45	3.93	2.49
	C.V. (%)	1.42	2.50	1.28	2.82	3.95	2.18	0.87	2.58	2.37	3.49
	F (Prob)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING			ZN 2					ZN 3
		LUDH	DELH	KANP	Mean	BAHR	DHOL	VARA	BHUB	Mean
1	CMH08-259	147.0	130.0	108.5	128.5	125.3	123.3	113.7	77.7	110.0
2	KNMH-401091	149.0	133.7	103.3	128.7	130.7	125.3	118.7	80.3	113.8
3	KNMH-4010131	148.3	-	101.0	124.7	-	126.0	119.3	79.7	108.3
4	X35A027	148.7	131.3	100.3	126.8	127.0	126.7	116.7	77.7	112.0
5	X35B336	149.0	131.0	103.0	127.7	128.3	124.0	116.0	80.3	112.2
6	X35B337	144.3	129.3	102.3	125.3	125.3	121.3	115.7	76.7	109.8
7	KMH-2700	148.7	130.3	103.7	127.6	126.7	122.7	116.3	76.3	110.5
8	KMH-2689	150.0	132.3	106.3	129.6	126.3	126.7	116.0	79.3	112.1
9	JH 100A	149.3	133.7	110.0	131.0	130.3	130.0	119.7	82.3	115.6
10	JH 115	147.0	130.3	107.7	128.3	126.3	127.0	118.3	76.3	112.0
11	JH 143	146.0	131.3	107.7	128.3	124.3	126.7	116.0	78.3	111.3
12	JH 199	144.3	129.0	112.7	128.7	125.3	125.3	117.0	77.3	111.3
13	JH 200	144.7	127.7	116.0	129.4	123.3	122.0	114.7	76.3	109.1
14	JH 210	147.7	130.7	111.7	130.0	128.7	127.3	117.7	79.3	113.3
15	JH 216	145.3	128.7	107.0	127.0	127.3	122.7	115.7	77.7	110.8
16	A 7503	151.7	134.0	108.3	131.3	127.7	127.7	120.7	80.7	114.2
17	PRO 380	148.0	129.3	110.7	129.3	127.0	125.0	115.3	79.3	111.7
18	PRO 381	143.3	132.0	109.7	128.3	122.7	125.0	114.3	77.7	109.9
19	HKH 402	151.7	130.7	113.0	131.8	122.7	124.0	114.0	75.7	109.1
20	HKH 408	145.3	129.3	110.0	128.2	122.0	121.7	113.7	74.0	107.8
21	DMH 117	153.7	134.0	113.3	133.7	129.7	128.3	119.3	79.7	114.3
22	NMH-731	145.0	124.3	112.0	127.1	122.3	122.0	111.7	78.0	108.5
23	NMH-713	150.7	132.7	110.7	131.3	127.3	124.3	114.0	77.3	110.8
24	NMH-920	155.3	133.0	108.0	132.1	131.7	127.3	116.3	78.3	113.4
25	NMH-666	150.0	128.7	110.7	129.8	121.3	125.0	112.7	77.7	109.2
26	RJMH-2020	149.3	128.0	115.0	130.8	125.3	125.0	112.7	80.0	110.8
27	RJMH-2 by 1	149.7	134.3	114.0	132.7	128.3	126.3	118.7	80.3	113.4
28	Asha	145.3	132.7	110.7	129.6	123.7	123.3	114.7	77.7	109.8
29	BP-001	147.7	133.3	111.0	130.7	128.3	125.0	117.3	80.3	112.8
30	BP-002	148.7	132.7	113.3	131.6	128.3	127.3	117.3	81.7	113.7

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING								
		LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
31	BP-003	147.7	132.3	114.7	131.6	129.3	128.0	118.0	81.3	114.2
32	BP-004	150.3	130.7	114.3	131.8	128.7	124.0	119.0	79.3	112.8
33	BP-005	151.7	131.7	109.3	130.9	124.3	125.3	118.7	77.7	111.5
34	BP-006	148.0	131.7	112.0	130.6	129.7	124.7	117.0	77.3	112.2
35	BP-008	147.7	133.0	113.3	131.3	126.7	127.7	117.7	79.7	112.9
36	KH-274	154.0	132.3	112.0	132.8	124.3	123.3	114.7	75.3	109.4
37	NK 6607	153.0	133.0	113.0	133.0	126.7	124.0	115.0	77.3	110.8
38	S 7700	149.0	127.0	113.7	129.9	126.7	122.0	111.3	74.3	108.6
39	S 7720	149.7	132.0	113.7	131.8	126.7	125.3	116.3	78.7	111.8
40	Bisco X9	149.3	132.7	111.3	131.1	126.3	126.7	117.3	78.7	112.3
41	Bisco X 5129	149.0	127.0	114.0	130.0	124.7	123.7	111.3	75.3	108.8
42	Bisco New 704	147.0	134.0	114.3	131.8	126.0	128.0	118.7	80.3	113.3
43	CMH08-239	147.0	128.3	113.3	129.6	122.3	120.3	113.7	74.7	107.8
44	CMH08-282	145.3	129.3	112.3	129.0	125.3	123.7	115.0	76.0	110.0
45	CMH08-287	147.0	131.3	112.0	130.1	129.3	126.3	117.7	80.0	113.3
	CHECKS									
46	Seedtec 2324	150.7	130.7	110.7	130.7	123.3	127.7	116.7	79.0	111.7
47	Buland	150.7	134.0	111.7	132.1	130.0	132.3	118.0	82.0	115.6
48	HM 11	144.7	130.3	111.3	128.8	122.7	125.0	115.7	77.3	110.2
	Loc. Mean	148.5	131.1	110.4	129.9	126.3	125.3	116.2	78.3	111.4
	C.D. (5%)	5.82	2.68	3.45	4.58	1.11	3.24	1.71	2.06	2.79
	C.V. (%)	2.42	1.25	1.93	2.17	0.53	1.59	0.91	1.62	1.79
	F (Prob)	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING									
		ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	85.0	74.0	73.7	69.7	64.7	73.4	90.3	86.0	88.2	97.8
2	KNMH-401091	88.7	75.3	75.3	-	69.3	77.2	90.7	88.7	89.7	102.2
3	KNMH-4010131	86.0	75.7	75.0	-	65.3	75.5	-	-	-	97.4
4	X35A027	86.3	75.3	75.3	67.3	64.3	73.7	90.7	85.7	88.2	98.1
5	X35B336	84.7	75.7	73.7	70.7	64.7	73.9	91.7	84.7	88.2	98.4
6	X35B337	87.0	76.0	74.3	69.0	63.3	73.9	91.0	87.0	89.0	97.3
7	KMH-2700	86.7	74.7	73.7	68.7	62.3	73.2	90.0	84.3	87.2	97.5
8	KMH-2689	86.7	75.7	75.0	70.0	64.3	74.3	91.3	87.3	89.3	99.1
9	JH 100A	94.7	75.3	76.3	69.7	67.7	76.7	90.3	92.0	91.2	101.5
10	JH 115	87.7	76.0	76.0	68.7	65.3	74.7	88.7	86.3	87.5	98.7
11	JH 143	89.3	75.7	74.7	70.7	64.0	74.9	88.3	87.0	87.7	98.6
12	JH 199	87.0	74.3	73.7	68.7	64.3	73.6	90.7	87.0	88.8	98.3
13	JH 200	83.7	75.0	74.7	69.0	63.0	73.1	89.0	83.3	86.2	97.3
14	JH 210	89.0	75.3	75.7	70.0	65.7	75.1	89.7	87.0	88.3	99.7
15	JH 216	84.7	75.7	74.0	69.0	62.0	73.1	90.3	83.0	86.7	97.4
16	A 7503	89.7	75.3	77.3	70.0	66.7	75.8	88.7	85.0	86.8	100.2
17	PRO 380	86.0	75.7	74.0	71.0	63.3	74.0	91.0	88.3	89.7	98.9
18	PRO 381	86.0	75.3	74.7	71.0	63.0	74.0	92.0	84.7	88.3	98.0
19	HKH 402	84.0	73.7	73.3	69.0	61.7	72.3	90.3	84.7	87.5	97.7
20	HKH 408	84.0	67.3	72.7	69.7	59.7	70.7	90.3	80.7	85.5	95.7
21	DMH 117	89.0	74.7	75.0	70.7	69.3	75.7	90.3	87.3	88.8	101.0
22	NMH-731	82.3	72.7	75.0	66.7	62.3	71.8	91.0	83.0	87.0	96.3
23	NMH-713	87.0	76.0	74.7	68.3	65.7	74.3	89.7	86.7	88.2	98.9
24	NMH-920	88.0	75.7	74.7	72.0	63.3	74.7	89.0	87.3	88.2	100.0
25	NMH-666	84.3	73.7	74.3	70.0	63.7	73.2	90.7	85.7	88.2	97.7
26	RJMH-2020	86.7	75.7	74.7	70.7	64.3	74.4	91.3	85.3	88.3	98.9
27	RJMH-2 by 1	90.3	76.3	76.3	71.3	66.7	76.2	90.0	86.3	88.2	100.6
28	Asha	84.7	73.7	74.3	69.0	63.0	72.9	91.3	82.7	87.0	97.6
29	BP-001	88.7	74.7	74.3	71.3	64.7	74.7	91.0	86.3	88.7	99.6
30	BP-002	89.0	75.0	76.0	70.0	64.7	74.9	89.7	87.3	88.5	100.1

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING									
		ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	85.3	75.7	75.3	69.3	63.7	73.9	90.3	85.3	87.8	99.7
32	BP-004	88.3	76.0	75.0	71.3	65.0	75.1	90.0	86.7	88.3	99.9
33	BP-005	89.3	75.3	74.3	69.3	66.0	74.9	92.3	83.7	88.0	99.2
34	BP-006	85.0	75.0	74.3	70.7	62.7	73.5	91.3	88.0	89.7	99.1
35	BP-008	87.7	75.0	75.0	70.3	64.3	74.5	90.0	87.0	88.5	99.6
36	KH-274	84.3	74.0	73.7	69.3	63.7	73.0	90.0	83.0	86.5	98.1
37	NK 6607	83.7	75.0	74.3	66.7	63.3	72.6	91.3	85.7	88.5	98.7
38	S 7700	82.3	69.0	73.3	67.0	61.7	70.7	90.0	81.0	85.5	96.3
39	S 7720	87.3	74.7	73.7	71.0	65.3	74.4	91.0	84.3	87.7	99.3
40	Bisco X9	87.7	75.3	76.0	71.0	64.0	74.8	90.7	84.7	87.7	99.4
41	Bisco X 5129	84.3	74.0	73.7	71.0	63.7	73.3	89.0	84.0	86.5	97.5
42	Bisco New 704	89.3	74.7	75.0	71.0	65.3	75.1	91.3	87.0	89.2	100.1
43	CMH08-239	82.3	70.7	73.3	67.0	60.7	70.8	90.0	80.7	85.3	96.0
44	CMH08-282	82.0	73.3	73.0	69.3	62.0	71.9	89.0	84.7	86.8	97.2
45	CMH08-287	86.7	74.3	76.3	70.3	65.7	74.7	90.0	86.0	88.0	99.5
	CHECKS										
46	Seedtec 2324	84.7	75.7	76.0	-	68.3	76.2	89.7	83.3	86.5	101.3
47	Buland	92.3	75.0	78.7	74.3	68.3	77.7	90.0	89.0	89.5	101.9
48	HM 11	89.0	76.3	74.3	71.0	63.7	74.9	89.3	87.0	88.2	98.4
	Loc. Mean	86.6	74.7	74.7	69.8	64.4	74.1	90.3	85.6	86.1	98.8
	C.D. (5%)	2.75	2.49	1.53	3.10	1.02	1.80	1.27	3.22	3.55	2.44
	C.V. (%)	1.95	2.06	1.26	2.65	0.98	1.94	0.86	2.30	2.05	3.33
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK KANP	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	144.5	159.7	160.7	153.3	116.7	147.6
2	KNMH-401091	150.0	166.7	170.0	161.0	121.0	154.7
3	KNMH-4010131	147.3	-	167.3	159.0	120.7	149.0
4	X35A027	154.0	166.7	170.0	160.0	117.3	153.5
5	X35B336	157.0	163.3	163.7	156.0	117.0	150.0
6	X35B337	150.3	164.0	165.3	159.3	118.7	151.8
7	KMH-2700	155.0	165.7	167.3	160.7	119.0	153.2
8	KMH-2689	152.0	164.3	166.0	160.0	117.7	152.0
9	JH 100A	148.0	162.3	167.7	157.3	117.3	151.2
10	JH 115	153.3	161.3	161.7	157.3	111.0	147.8
11	JH 143	149.3	159.7	164.3	155.0	117.3	149.1
12	JH 199	150.3	165.3	164.3	159.3	116.7	151.4
13	JH 200	150.0	165.0	166.7	157.7	116.0	151.3
14	JH 210	148.0	167.7	164.0	155.3	117.0	151.0
15	JH 216	150.7	162.7	161.3	157.3	117.0	149.6
16	A 7503	149.3	165.0	167.7	160.0	121.7	153.6
17	PRO 380	149.7	165.3	168.0	159.0	116.7	152.3
18	PRO 381	152.0	160.7	159.7	151.0	109.3	145.2
19	HKH 402	158.7	163.3	162.0	158.0	114.3	149.4
20	HKH 408	152.7	165.7	163.0	158.3	115.0	150.5
21	DMH 117	160.0	163.7	163.0	156.3	116.0	149.8
22	NMH-731	153.7	160.3	168.3	157.7	116.7	150.8
23	NMH-713	156.0	165.3	167.0	158.3	117.0	151.9
24	NMH-920	155.7	167.0	166.7	156.7	115.7	151.5
25	NMH-666	152.0	165.0	168.3	159.0	117.7	152.5
26	RJMH-2020	149.7	165.3	168.0	158.7	118.0	152.5
27	RJMH-2 by 1	149.3	166.7	165.7	159.0	118.7	152.5

Locations Rejected due to High C.V.(i.e.> 20%) : GODHRA 70.8%

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK KANP	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
28	Asha	154.0	163.3	166.0	155.0	113.7	149.5
29	BP-001	159.7	160.3	167.0	158.3	117.3	150.8
30	BP-002	157.3	163.3	168.3	158.3	118.0	152.0
31	BP-003	153.3	166.7	168.3	159.0	120.3	153.6
32	BP-004	154.0	160.3	164.0	158.3	117.0	149.9
33	BP-005	146.7	160.7	168.3	159.7	118.0	151.7
34	BP-006	143.3	163.7	164.0	157.3	116.3	150.3
35	BP-008	144.0	165.3	164.3	158.0	114.7	150.6
36	KH-274	146.3	160.3	164.3	160.7	112.0	149.3
37	NK 6607	151.7	162.3	165.7	157.0	118.7	150.9
38	S 7700	159.0	160.3	164.7	152.7	114.3	148.0
39	S 7720	156.3	165.0	169.3	160.7	117.0	153.0
40	Bisco X9	150.3	165.7	167.7	159.7	117.3	152.6
41	Bisco X 5129	151.7	166.7	166.0	160.0	117.0	152.4
42	Bisco New 704	149.0	165.3	168.0	158.0	118.3	152.4
43	CMH08-239	146.7	160.3	159.7	154.7	111.0	146.4
44	CMH08-282	151.3	165.3	160.7	153.7	113.7	148.3
45	CMH08-287	156.7	165.3	165.3	158.0	118.0	151.7
	CHECKS						
46	Seedtec 2324	150.3	161.3	167.3	160.0	120.0	152.2
47	Buland	149.7	166.0	168.0	159.0	117.7	152.7
48	HM 11	152.3	165.7	170.0	161.0	120.0	154.2
	Loc. Mean	151.7	163.9	165.7	157.9	116.8	151.0
	C.D. (5%)	6.10	1.04	2.77	2.93	1.66	2.91
	C.V. (%)	2.48	0.39	1.03	1.14	0.87	1.38
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : GODHRA 70.8%

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK									
		ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	123.0	104.0	115.3	106.7	106.0	111.0	130.0	120.0	130.0	129.1
2	KNMH-401091	127.0	105.3	115.3	-	108.3	114.0	130.0	130.7	130.0	135.5
3	KNMH-4010131	126.0	105.7	115.7	-	106.0	113.3	-	-	-	131.0
4	X35A027	125.7	105.3	115.7	110.7	104.7	112.4	130.0	130.3	130.0	132.7
5	X35B336	124.7	105.7	114.3	111.0	104.3	112.0	129.3	122.7	129.3	131.5
6	X35B337	125.0	106.0	115.3	107.7	103.0	111.4	130.3	125.3	130.3	131.4
7	KMH-2700	126.0	104.7	114.7	106.3	103.3	111.0	130.3	117.3	130.3	132.1
8	KMH-2689	126.3	105.7	116.0	108.7	104.3	112.2	130.7	118.3	130.7	132.0
9	JH 100A	129.7	105.3	116.0	107.3	108.0	113.3	129.0	125.7	129.0	131.6
10	JH 115	126.0	106.0	116.3	103.3	105.3	111.4	128.0	120.0	128.0	130.0
11	JH 143	124.7	105.7	116.0	107.3	104.7	111.7	126.7	123.0	126.7	130.1
12	JH 199	125.0	104.3	114.0	105.0	104.7	110.6	130.3	124.7	130.3	130.8
13	JH 200	125.3	105.0	115.7	107.7	104.0	111.5	127.3	126.7	127.3	130.9
14	JH 210	126.3	105.3	115.7	108.0	103.7	111.8	128.7	121.3	128.7	130.9
15	JH 216	127.0	105.7	115.5	106.7	103.0	111.6	129.3	122.3	129.3	130.6
16	A 7503	125.3	105.3	116.7	106.0	107.7	112.2	128.0	120.3	128.0	132.1
17	PRO 380	127.3	105.7	114.3	108.3	103.0	111.7	130.7	127.7	130.7	131.6
18	PRO 381	125.0	105.3	116.0	103.3	103.7	110.7	131.7	115.0	131.7	128.9
19	HKH 402	124.0	103.7	113.7	103.3	103.0	109.5	130.3	119.0	130.3	130.4
20	HKH 408	125.0	97.3	115.3	106.3	102.3	109.3	129.0	117.0	129.0	130.0
21	DMH 117	126.0	104.7	116.0	107.7	108.0	112.5	130.0	124.3	130.0	131.9
22	NMH-731	124.0	102.7	115.7	103.7	102.7	109.7	130.0	497.7	130.0	130.5
23	NMH-713	126.0	106.0	116.0	109.7	105.3	112.6	129.0	125.3	129.0	132.3
24	NMH-920	126.0	105.7	115.3	111.3	103.0	112.3	127.3	127.0	127.3	131.8
25	NMH-666	124.0	103.7	121.0	110.7	103.3	112.5	130.3	128.0	130.3	132.3
26	RJMH-2020	125.7	105.7	115.7	108.0	105.3	112.1	130.7	127.0	130.7	131.9
27	RJMH-2 by 1	129.3	106.3	116.3	109.0	106.3	113.5	128.7	125.0	128.7	132.3
28	Asha	125.7	103.7	115.3	108.7	103.7	111.4	130.3	128.0	130.3	130.8
29	BP-001	124.0	104.7	114.3	110.3	105.3	111.7	129.7	123.7	129.7	131.9
30	BP-002	130.7	105.0	117.0	107.3	106.0	113.2	128.0	131.0	128.0	132.7

Locations Rejected due to High C.V.(i.e.> 20%) : GODHRA 70.8%

Table No.1 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	125.7	105.7	115.3	105.0	103.0	110.9	129.0	126.7	129.0	131.9
32	BP-004	86.7	106.0	115.0	108.3	105.3	104.3	129.0	121.7	129.0	127.6
33	BP-005	127.0	105.3	114.7	108.3	106.0	112.3	130.7	122.7	130.7	131.4
34	BP-006	129.0	105.0	115.0	108.3	102.3	111.9	131.3	123.7	131.3	130.5
35	BP-008	125.3	105.0	115.0	109.0	104.7	111.8	129.3	123.3	129.3	130.4
36	KH-274	124.7	104.0	115.0	108.7	105.0	111.5	129.0	118.7	129.0	130.0
37	NK 6607	125.0	105.0	115.7	108.0	104.0	111.5	130.7	124.0	130.7	131.2
38	S 7700	124.7	99.0	114.3	106.3	103.0	109.5	130.0	112.3	130.0	129.8
39	S 7720	127.7	104.7	114.7	107.3	105.3	111.9	130.0	121.0	130.0	132.5
40	Bisco X9	128.3	105.3	116.7	108.3	104.3	112.6	130.3	125.3	130.3	132.2
41	Bisco X 5129	126.0	104.0	115.7	109.0	104.7	111.9	128.0	126.0	128.0	131.7
42	Bisco New 704	128.3	104.7	116.3	110.0	106.0	113.1	130.3	128.7	130.3	132.2
43	CMH08-239	124.0	100.7	114.0	104.7	103.0	109.3	128.7	115.7	128.7	127.9
44	CMH08-282	124.0	103.3	113.3	101.0	106.0	109.5	128.7	120.3	128.7	129.2
45	CMH08-287	124.0	104.3	115.7	106.3	108.0	111.7	129.3	124.0	129.3	131.9
	CHECKS										
46	Seedtec 2324	126.0	105.7	116.7	-	108.0	114.1	128.7	119.3	128.7	134.4
47	Buland	129.3	105.0	118.3	109.7	108.3	114.1	129.7	123.7	129.7	132.8
48	HM 11	126.3	106.3	115.3	113.0	104.7	113.1	129.3	125.3	129.3	133.1
	Loc. Mean	125.2	104.7	115.6	107.6	104.9	111.6	129.5	131.2	129.5	131.3
	C.D. (5%)	15.67	2.49	3.04	4.70	1.09	3.79	1.54	152.28	1.54	3.02
	C.V. (%)	7.72	1.47	1.62	2.60	0.64	2.72	0.72	70.82	0.72	2.75
	F (Prob)	0.31	0.00	0.17	0.00	0.00	0.04	0.00	0.42	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : GODHRA 70.8%

Table No.1 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	135.7	210.0	186.5	177.4	167.0	180.0	177.5	238.2	190.7
2	KNMH-401091	149.7	220.0	179.3	183.0	161.0	165.7	187.5	243.7	189.5
3	KNMH-4010131	139.7	-	179.3	159.5	-	173.8	195.0	241.7	203.5
4	X35A027	121.3	170.0	174.0	155.1	141.7	187.5	217.5	265.3	203.0
5	X35B336	137.7	225.0	181.3	181.3	195.0	204.2	157.5	249.5	201.6
6	X35B337	140.7	225.0	174.3	180.0	184.7	180.8	215.0	257.0	209.4
7	KMH-2700	135.7	240.0	176.3	184.0	149.7	168.3	202.5	263.3	195.9
8	KMH-2689	143.0	225.0	180.0	182.7	153.0	146.8	180.0	264.7	186.1
9	JH 100A	126.3	185.0	169.7	160.3	175.3	207.2	217.5	247.9	212.0
10	JH 115	141.7	210.0	173.3	175.0	162.3	172.2	180.0	247.7	190.5
11	JH 143	150.0	180.0	178.3	169.4	196.7	176.7	190.0	245.0	202.1
12	JH 199	140.3	240.0	186.7	189.0	145.3	146.7	138.5	211.9	160.6
13	JH 200	163.0	205.0	180.7	182.9	153.0	148.0	167.5	206.0	168.6
14	JH 210	154.0	1960.0	178.7	764.2	154.7	149.2	170.0	204.5	169.6
15	JH 216	146.7	190.0	185.7	174.1	142.3	161.3	185.0	228.0	179.2
16	A 7503	143.7	210.0	180.0	177.9	154.0	161.7	185.0	246.8	186.9
17	PRO 380	125.3	220.0	171.3	172.2	146.7	168.8	187.5	203.4	176.6
18	PRO 381	149.3	215.0	176.0	180.1	170.0	155.0	185.0	242.7	188.2
19	HKH 402	142.3	195.0	184.0	173.8	170.0	159.2	180.0	254.2	190.8
20	HKH 408	150.3	225.0	189.3	188.2	137.3	158.3	190.0	225.1	177.7
21	DMH 117	158.0	205.0	173.3	178.8	166.7	166.3	177.5	251.1	190.4
22	NMH-731	120.7	245.0	165.7	177.1	169.3	168.3	160.0	217.8	178.9
23	NMH-713	141.3	200.0	161.7	167.7	160.3	149.8	170.0	234.3	178.6
24	NMH-920	148.3	210.0	164.7	174.3	174.0	154.7	170.0	234.4	183.3
25	NMH-666	128.7	215.0	175.7	173.1	177.0	188.3	182.5	244.1	198.0
26	RJMH-2020	147.7	215.0	186.0	182.9	170.3	183.8	177.5	241.8	193.4
27	RJMH-2 by 1	139.0	220.0	188.3	182.4	172.3	178.3	190.0	262.0	200.7
28	Asha	118.3	210.0	185.7	171.3	161.7	158.0	177.5	219.9	179.3
29	BP-001	125.3	180.0	180.0	161.8	172.3	179.7	192.5	235.9	195.1
30	BP-002	149.3	225.0	171.0	181.8	171.0	188.0	205.0	244.9	202.2

Locations Rejected due to High C.V.(i.e.> 20%) : Mean!ZN 2 77.2%: ARBHAVI 56.0%: Mean#OV'L 35.8%

Table No.1 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) ZN 2 LUDH	DELH	KANP	Mean	ZN 3 BAHR	DHOL	VARA	BHUB	Mean
31	BP-003	123.7	220.0	170.0	171.2	154.0	188.3	197.5	248.7	197.1
32	BP-004	143.7	220.0	183.0	182.2	169.3	188.8	192.5	266.0	204.2
33	BP-005	156.7	230.0	186.3	191.0	167.0	172.2	187.5	249.9	194.1
34	BP-006	142.7	190.0	182.3	171.7	162.3	181.0	172.5	267.5	195.8
35	BP-008	128.3	210.5	171.7	170.2	168.3	179.3	195.0	249.7	198.1
36	KH-274	162.0	220.0	170.0	184.0	159.0	164.0	180.0	245.1	187.0
37	NK 6607	134.7	230.0	167.0	177.2	160.7	182.2	190.0	256.5	197.3
38	S 7700	126.7	230.0	178.0	178.2	149.7	181.7	207.5	247.1	196.5
39	S 7720	139.0	220.0	185.7	181.6	156.0	150.0	187.5	244.7	184.6
40	Bisco X9	149.3	185.0	186.7	173.7	173.7	167.5	207.5	269.7	204.6
41	Bisco X 5129	141.7	211.5	187.0	180.1	156.0	160.5	195.0	247.1	189.6
42	Bisco New 704	159.3	240.0	182.7	194.0	171.3	163.0	190.0	246.1	192.6
43	CMH08-239	121.0	220.0	177.7	172.9	163.7	167.8	192.5	235.7	189.9
44	CMH08-282	133.7	190.0	176.7	166.8	187.0	208.3	180.0	260.3	208.9
45	CMH08-287	132.3	185.0	186.7	168.0	159.3	206.7	205.0	275.9	211.7
	CHECKS									
46	Seedtec 2324	146.3	220.0	185.0	183.8	152.7	150.8	180.0	230.4	178.5
47	Buland	121.3	195.0	188.3	168.2	156.3	183.3	177.5	264.5	195.4
48	HM 11	152.0	215.0	186.0	184.3	180.7	176.0	210.0	262.9	207.4
	Loc. Mean	140.2	249.1	178.9	188.8	163.9	172.0	186.6	244.6	192.0
	C.D. (5%)	31.72-		9.78	236.33	30.94	19.81	8.51	8.16	17.55
	C.V. (%)	13.96-		3.37	77.23	11.52	7.10	2.81	2.06	6.54
	F (Prob)	0.35-		0.00	0.45	0.07	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : Mean!ZN 2 77.2%: ARBHAVI 56.0%: Mean#OV'L 35.8%

Table No.1 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	170.5	265.0	196.7	188.0	220.1	217.4	209.3	184.3	196.8	196.8
2	KNMH-401091	179.5	275.0	216.7	-	212.1	234.6	245.1	180.3	212.7	203.0
3	KNMH-4010131	191.3	253.3	205.0	-	208.2	222.2	-	-	-	199.5
4	X35A027	194.5	266.7	216.7	211.3	232.1	231.7	203.9	180.0	192.0	199.1
5	X35B336	208.0	300.0	220.0	226.3	230.2	244.1	227.5	208.3	217.9	212.5
6	X35B337	182.5	278.3	213.3	201.7	220.9	228.6	231.3	215.3	223.3	210.6
7	KMH-2700	165.5	280.0	201.7	193.3	218.7	223.4	233.0	181.3	207.2	203.4
8	KMH-2689	167.5	263.3	211.7	187.7	223.1	221.5	242.2	182.7	212.4	200.2
9	JH 100A	182.5	308.3	226.7	223.0	236.0	248.5	220.9	190.3	205.6	210.3
10	JH 115	174.0	250.0	200.0	181.0	222.9	213.5	217.2	172.3	194.8	194.7
11	JH 143	178.0	276.7	208.3	186.0	232.9	226.0	242.0	196.0	219.0	204.5
12	JH 199	166.5	236.7	180.0	185.0	212.4	203.5	234.6	175.0	204.8	187.2
13	JH 200	164.5	253.3	185.0	194.3	199.2	208.0	200.3	148.0	174.1	184.9
14	JH 210	143.5	203.3	171.7	189.0	192.0	189.0	192.6	139.3	166.0	312.2
15	JH 216	156.0	253.3	187.5	186.0	211.9	209.7	234.6	159.3	197.0	190.1
16	A 7503	181.5	240.0	213.3	197.3	208.1	214.7	241.7	188.3	215.0	197.7
17	PRO 380	162.0	261.7	213.3	205.0	217.4	224.3	227.1	176.3	201.7	194.1
18	PRO 381	175.0	268.3	201.7	182.7	208.7	215.4	229.3	180.3	204.8	197.2
19	HKH 402	176.0	241.7	200.0	196.0	214.3	213.0	238.2	202.7	220.4	198.3
20	HKH 408	153.5	243.3	180.0	184.7	200.9	202.2	214.9	167.7	191.3	189.8
21	DMH 117	180.0	295.0	198.3	199.7	223.3	229.1	213.0	181.0	197.0	200.6
22	NMH-731	186.0	271.7	171.7	223.0	216.0	220.6	210.5	164.7	187.6	192.6
23	NMH-713	166.0	253.3	180.0	198.0	223.1	213.6	206.7	179.3	193.0	189.1
24	NMH-920	173.0	263.3	201.7	185.7	219.9	217.6	220.8	174.7	197.7	194.0
25	NMH-666	189.5	251.7	205.0	201.7	233.2	222.9	212.9	189.0	201.0	200.4
26	RJMH-2020	184.0	275.3	195.0	215.0	216.1	225.4	210.6	188.3	199.5	201.7
27	RJMH-2 by 1	178.0	265.0	215.0	205.3	213.5	224.7	231.9	195.3	213.6	205.8
28	Asha	174.5	261.7	183.3	205.7	202.0	213.2	232.7	173.0	202.9	191.5
29	BP-001	166.5	266.7	218.3	180.0	224.7	222.4	229.7	189.3	209.5	198.0
30	BP-002	177.5	275.0	208.3	204.3	226.4	228.5	209.4	161.0	185.2	203.0

Locations Rejected due to High C.V.(i.e.> 20%) : Mean!ZN 2 77.2%: ARBHAVI 56.0%: Mean#OV'L 35.8%

Table No.1 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	184.0	271.7	205.0	218.0	218.5	228.3	259.3	170.0	214.6	203.4
32	BP-004	193.0	291.7	218.3	218.3	242.5	242.7	229.4	181.0	205.2	211.1
33	BP-005	174.5	263.3	206.7	206.0	219.5	223.9	235.3	183.0	209.2	204.9
34	BP-006	177.0	270.0	206.7	189.0	200.8	216.6	221.3	190.3	205.8	198.2
35	BP-008	189.0	280.0	216.7	228.3	226.8	238.0	210.2	185.3	197.8	203.9
36	KH-274	183.5	258.3	173.3	197.3	200.9	207.5	222.0	167.3	194.7	193.8
37	NK 6607	197.0	271.7	193.3	213.3	219.7	224.5	229.2	193.3	211.3	203.2
38	S 7700	171.0	286.7	211.7	200.3	206.8	226.4	236.6	170.3	203.5	202.5
39	S 7720	177.0	270.0	218.3	212.3	222.5	230.8	224.1	182.7	203.4	201.0
40	Bisco X9	194.5	278.3	206.7	204.3	228.1	229.4	200.4	178.3	189.4	202.7
41	Bisco X 5129	187.0	238.3	203.3	193.0	208.0	210.7	189.4	176.0	182.7	192.8
42	Bisco New 704	925.5	250.0	213.3	190.0	221.9	218.8	215.2	181.0	198.1	201.8
43	CMH08-239	181.0	243.3	191.7	203.7	214.2	213.2	231.4	170.3	200.9	194.8
44	CMH08-282	193.5	281.7	211.7	210.7	243.0	236.8	210.1	188.0	199.1	206.2
45	CMH08-287	175.5	285.0	213.3	225.0	232.9	239.1	228.6	192.3	210.5	209.9
	CHECKS										
46	Seedtec 2324	179.4	256.7	191.7	-	179.5	209.3	219.7	183.3	201.5	191.3
47	Buland	186.0	293.3	211.7	184.0	216.5	226.4	195.5	178.7	187.1	197.4
48	HM 11	185.5	266.7	215.0	218.0	217.5	229.3	171.2	183.7	177.5	204.2
	Loc. Mean	193.8	265.7	202.8	201.1	217.5	222.1	221.1	180.4	196.6	201.8
	C.D. (5%)	176.05	31.21	22.66	28.19	6.53	15.77	11.81	24.37	27.17	55.62
	C.V. (%)	56.04	7.25	6.89	8.36	1.85	5.08	3.26	8.24	6.87	35.78
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87

Locations Rejected due to High C.V.(i.e.> 20%) : Mean!ZN 2 77.2%: ARBHAVI 56.0%: Mean#OV'L 35.8%

Table No.1 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	CMH08-259	63.7	130.0	70.0	87.9	56.3	82.7	70.0	125.1	92.6
2	KNMH-401091	71.7	125.0	66.7	87.8	48.7	64.3	77.5	114.9	85.6
3	KNMH-4010131	70.7	-	74.0	72.3	-	79.2	80.0	127.8	95.7
4	X35A027	68.3	90.0	73.0	77.1	61.7	98.3	115.0	153.5	122.3
5	X35B336	67.7	120.0	74.0	87.2	72.0	100.0	117.5	134.4	117.3
6	X35B337	75.3	155.0	68.0	99.4	67.3	90.0	102.5	133.2	108.6
7	KMH-2700	73.3	130.0	68.0	90.4	68.3	77.5	102.5	140.3	106.8
8	KMH-2689	71.0	145.0	70.0	95.3	53.0	66.2	95.0	140.3	100.5
9	JH 100A	61.7	120.0	66.3	82.7	58.7	120.8	112.5	138.5	123.9
10	JH 115	59.0	130.0	64.3	84.4	70.3	88.8	92.5	138.7	106.7
11	JH 143	66.7	115.0	68.0	83.2	68.7	82.5	112.5	123.7	106.2
12	JH 199	71.7	150.0	66.0	95.9	55.3	75.0	100.0	114.6	96.5
13	JH 200	73.3	100.0	64.3	79.2	51.0	68.3	85.0	108.7	87.3
14	JH 210	78.0	115.0	67.7	86.9	63.0	76.7	92.5	119.7	96.3
15	JH 216	76.7	100.0	68.3	81.7	57.3	86.3	100.0	128.2	104.8
16	A 7503	70.7	130.0	64.7	88.4	55.7	63.3	95.0	130.3	96.2
17	PRO 380	65.7	135.0	62.0	87.6	61.7	82.5	92.5	99.4	91.5
18	PRO 381	75.3	140.0	65.3	93.6	60.0	71.7	97.5	133.0	100.7
19	HKH 402	70.0	155.0	65.7	96.9	77.0	85.8	97.5	152.7	112.0
20	HKH 408	73.0	165.0	67.3	101.8	45.0	78.7	97.5	120.9	99.0
21	DMH 117	80.7	120.0	60.7	87.1	66.3	68.3	90.0	130.7	96.3
22	NMH-731	62.7	140.0	63.3	88.7	56.3	70.8	70.0	98.2	79.7
23	NMH-713	77.3	125.0	61.0	87.8	60.3	62.5	72.5	121.7	85.6
24	NMH-920	67.3	110.0	62.7	80.0	78.0	69.2	95.0	142.5	102.2
25	NMH-666	63.3	125.0	62.0	83.4	66.0	80.5	60.0	107.8	82.8
26	RJMH-2020	75.7	115.0	67.3	86.0	57.0	69.2	65.0	110.1	81.4
27	RJMH-2 by 1	69.3	120.0	68.7	86.0	74.7	88.0	97.5	152.2	112.6
28	Asha	59.3	105.0	76.0	80.1	66.0	80.0	97.5	131.4	103.0
29	BP-001	63.3	105.0	70.0	79.4	73.0	100.0	105.0	124.3	109.8
30	BP-002	75.0	130.0	62.7	89.2	77.0	96.2	107.5	128.6	110.8

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 23.6%

Table No.1 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) LUDH	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
31	BP-003	61.3	120.0	61.3	80.9	66.0	96.2	95.0	125.7	105.6
32	BP-004	69.3	135.0	64.3	89.6	61.7	94.2	107.5	145.6	115.8
33	BP-005	72.7	130.0	61.7	88.1	61.0	79.2	97.5	136.4	104.4
34	BP-006	69.0	110.0	61.0	80.0	63.0	85.5	92.5	149.8	109.3
35	BP-008	62.0	140.0	59.3	87.1	69.7	89.2	100.0	148.7	112.6
36	KH-274	85.0	110.0	63.0	86.0	66.3	85.8	105.0	147.1	112.6
37	NK 6607	63.3	110.0	61.7	78.3	54.3	71.7	82.5	123.2	92.5
38	S 7700	62.0	130.0	62.3	84.8	62.0	75.8	87.5	118.0	93.8
39	S 7720	72.3	110.0	67.0	83.1	44.7	66.2	80.0	138.7	95.0
40	Bisco X9	71.7	155.0	68.0	98.2	73.3	83.0	95.0	148.0	108.7
41	Bisco X 5129	72.0	110.0	66.7	82.9	43.7	69.5	85.0	126.2	93.6
42	Bisco New 704	80.0	145.0	68.7	97.9	76.0	73.3	95.0	135.7	101.3
43	CMH08-239	60.7	110.0	63.3	78.0	49.7	70.0	75.0	123.5	89.5
44	CMH08-282	64.3	125.0	63.7	84.3	95.0	97.5	95.0	138.1	110.2
45	CMH08-287	66.7	120.0	67.7	84.8	60.7	99.2	92.5	150.0	113.9
	CHECKS									
46	Seedtec 2324	78.0	140.0	63.3	93.8	73.3	80.8	105.0	131.7	105.9
47	Buland	64.3	115.0	66.7	82.0	56.0	88.3	90.0	158.1	112.2
48	HM 11	71.7	140.0	63.0	91.6	67.3	80.0	105.0	137.7	107.6
	Loc. Mean	69.7	125.5	65.8	86.6	63.2	81.4	93.3	131.4	102.1
	C.D. (5%)	16.52-		5.90	18.36	24.41	17.10	6.63	10.06	15.17
	C.V. (%)	14.63-		5.53	13.07	23.58	12.95	4.38	4.72	9.17
	F (Prob)	0.35-		0.00	0.56	0.10	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 23.6%

Table No.1 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	CMH08-259	91.0	110.0	118.3	83.7	122.3	105.1	114.5	79.0	96.7	96.9
2	KNMH-401091	85.0	116.7	130.0	-	109.7	110.3	126.3	82.0	104.1	97.5
3	KNMH-4010131	92.0	98.3	118.3	-	117.0	106.4	-	-	-	95.3
4	X35A027	101.0	126.7	130.0	96.3	127.4	116.3	128.5	76.3	102.4	106.5
5	X35B336	107.0	145.0	145.0	101.7	130.2	125.8	130.0	103.0	116.5	113.5
6	X35B337	88.0	125.0	121.7	95.3	117.3	109.5	134.5	100.3	117.4	108.2
7	KMH-2700	75.0	123.3	121.7	97.3	112.3	105.9	126.4	86.7	106.5	102.6
8	KMH-2689	87.0	118.3	116.7	75.7	116.4	102.8	141.3	93.0	117.1	102.8
9	JH 100A	91.0	128.3	140.0	110.3	121.9	118.3	130.7	102.0	116.4	111.1
10	JH 115	90.0	133.3	120.0	86.3	123.9	110.7	129.1	82.0	105.5	102.9
11	JH 143	93.0	121.7	128.3	87.7	135.6	113.3	132.8	96.7	114.8	104.9
12	JH 199	85.5	115.0	113.3	97.3	124.0	107.0	125.2	90.3	107.8	102.2
13	JH 200	87.0	118.3	120.0	89.0	98.9	102.6	134.2	63.7	98.9	93.1
14	JH 210	74.5	98.3	105.0	96.3	109.7	96.8	126.3	69.7	98.0	94.6
15	JH 216	84.0	131.7	125.0	92.3	117.9	110.2	129.1	79.7	104.4	101.5
16	A 7503	84.0	103.3	116.7	91.7	116.1	102.4	131.7	80.0	105.9	98.3
17	PRO 380	82.0	118.3	125.0	88.7	109.9	104.8	127.4	84.7	106.0	97.9
18	PRO 381	77.0	113.3	121.7	82.3	110.7	101.0	121.2	77.3	99.3	98.9
19	HKH 402	84.0	108.3	123.3	88.3	113.3	103.5	134.8	96.7	115.7	105.8
20	HKH 408	68.0	118.3	113.3	90.7	110.4	100.1	123.3	72.0	97.7	99.9
21	DMH 117	87.0	135.0	120.0	88.7	119.5	110.0	114.0	83.7	98.8	99.9
22	NMH-731	93.0	115.0	115.0	105.7	117.6	109.3	123.2	65.3	94.3	95.4
23	NMH-713	75.5	105.0	105.0	89.0	120.2	98.9	108.5	76.0	92.3	92.2
24	NMH-920	82.0	118.3	123.3	87.0	125.9	107.3	140.3	80.3	110.3	100.3
25	NMH-666	85.0	108.3	118.3	78.7	120.8	102.2	116.8	72.3	94.6	92.2
26	RJMH-2020	83.0	110.0	106.7	82.7	108.9	98.3	108.7	88.7	98.7	91.6
27	RJMH-2 by 1	90.0	121.7	135.0	95.7	127.8	114.0	142.8	95.3	119.1	108.0
28	Asha	87.0	130.0	118.3	103.0	109.7	109.6	129.0	79.3	104.2	100.4
29	BP-001	76.0	126.7	126.7	83.0	123.5	107.2	127.8	86.0	106.9	101.3
30	BP-002	83.0	110.0	116.7	103.0	119.4	106.4	131.4	73.3	102.4	102.8

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 23.6%

Table No.1 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) ARBH	KARI	KOLH	MAND	COIM	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
31	BP-003	87.5	116.7	115.0	115.3	117.1	110.3	126.4	69.3	97.9	100.5
32	BP-004	97.0	138.3	136.7	97.0	138.4	121.5	142.5	83.3	112.9	111.5
33	BP-005	84.5	113.3	111.7	97.7	120.7	105.6	125.9	88.7	107.3	101.5
34	BP-006	89.0	123.3	133.3	86.7	115.7	109.6	115.5	91.3	103.4	101.7
35	BP-008	93.0	120.0	118.3	107.7	121.5	112.1	111.5	81.0	96.3	104.0
36	KH-274	93.0	125.0	118.3	96.0	115.9	109.6	126.9	75.7	101.3	103.6
37	NK 6607	91.0	108.3	106.7	91.7	111.5	101.8	121.3	84.3	102.8	94.4
38	S 7700	67.0	116.7	125.0	97.7	115.1	104.3	121.4	70.3	95.9	96.1
39	S 7720	79.0	106.7	128.3	103.0	121.2	107.6	116.3	79.7	98.0	97.6
40	Bisco X9	102.0	130.0	121.7	98.7	125.5	115.6	165.7	83.0	124.4	111.3
41	Bisco X 5129	90.0	96.7	120.0	82.3	114.6	100.7	109.6	73.0	91.3	93.5
42	Bisco New 704	84.0	105.0	121.7	86.0	123.1	104.0	130.4	85.7	108.0	102.6
43	CMH08-239	77.0	96.7	110.0	87.7	108.7	96.0	113.7	77.7	95.7	90.3
44	CMH08-282	97.5	126.7	126.7	98.7	132.4	116.4	107.8	94.0	100.9	105.2
45	CMH08-287	95.0	115.0	121.7	110.0	128.1	114.0	121.3	89.3	105.3	105.9
	CHECKS										
46	Seedtec 2324	81.5	116.7	118.3	-	97.7	103.5	106.8	92.7	99.7	101.0
47	Buland	88.5	141.7	128.3	86.3	123.1	113.6	112.7	94.0	103.4	104.4
48	HM 11	83.0	125.0	121.7	102.0	122.1	110.7	107.5	89.0	98.2	103.7
	Loc. Mean	86.4	118.2	121.3	93.6	118.5	107.8	125.0	83.3	102.0	101.0
	C.D. (5%)	8.83	21.63	14.01	19.93	3.41	9.35	12.04	15.25	21.85	7.41
	C.V. (%)	6.31	11.29	7.13	12.70	1.77	6.95	5.88	11.16	10.65	9.52
	F (Prob)	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 23.6%

TABLE No.2
PERFORMANCE OF MEDIUM MATURING EXPERIMENTAL HYBRIDS AT KARNAL, KANPUR, BAHRAICH, DHOLI, VARANASI,BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, BANSWARA, GODHRA IN TRIAL NO:TR02(IET-M) DURING RABI 2010-11.

		GRAIN YIELD (kg/ha) AT 15% MOISTURE															
Sl					ZN 2									ZN 3			
No	PEDIGREE	KARN	R	KANP	R	MEAN	R	BAHR	R	DHOL	R	VARA	R	BHUB	R	MEAN	R
1	X-915	5776	12	6076	21	5926	19	5389	16	7611	6	11623	10	5838	11	7615	15
2	KH-B 52	7224	3	7102	18	7163	9	6691	8	6738	11	12190	7	6518	3	8034	5
3	CMH08-284	6619	8	8090	9	7354	7	8458	1	7359	7	9911	16	6086	8	7953	6
4	CMH08-292	3992	20	7418	17	5705	20	4373	19	8267	4	10756	13	5286	18	7170	17
5	CMH08-350	6254	9	6596	19	6425	16	7557	5	6746	10	10449	14	6265	6	7754	11
6	CMH08-432	4649	18	6201	20	5425	21	4928	18	9031	1	11745	9	6029	9	7933	8
7	KMH-5050	5875	11	7544	15	6709	13	8327	2	6756	9	13052	3	7323	1	8864	2
8	NMH-1242	6858	5	7906	12	7382	6	6124	11	8646	2	14411	1	6174	7	8839	3
9	Bio 151	6697	7	8856	4	7777	4	7852	4	8299	3	13020	4	6449	5	8905	1
10	MMH-09-11	5319	14	11108	1	8214	3	5873	13	5542	19	8928	20	5372	17	6429	20
11	MMH-09-12	7872	2	9750	2	8811	1	7253	6	6354	15	9325	18	5782	12	7178	16
12	MMH-09-13	7107	4	8419	7	7763	5	5672	14	6076	17	12877	5	6494	4	7780	10
13	MMH-09-14	6197	10	8347	8	7272	8	-		6598	13	10400	15	5876	10	7625	14
14	MMH-09-15	5234	16	8424	6	6829	12	5082	17	5844	18	9532	17	5508	15	6491	19
15	HKH 308	5454	13	7893	13	6674	14	8108	3	6675	12	11498	11	4861	21	7785	9
16	BIO 9637 (C)	3670	21	8444	5	6057	18	5923	12	7083	8	13724	2	6595	2	8331	4
17	AH 1011	5260	15	7660	14	6460	15	6512	10	5055	20	9085	19	5617	14	6567	18
18	AH 1012	4930	17	9140	3	7035	11	5617	15	4866	21	7950	21	5373	16	5951	21
	CHECKS																
19	HM 8	4490	19	7962	10	6226	17	-		6550	14	11297	12	5122	20	7656	13
20	HM 9	9578	1	7962	11	8770	2	6697	7	6258	16	12235	6	5662	13	7713	12
21	HM 10	6709	6	7427	16	7068	10	6561	9	7928	5	12106	8	5176	19	7943	7
	Location Mean	5989		8015		7002		6474		6870		11244		5876		7616	
	Mean Stand	35		34		35		29		30		37		32		32	
	C.D. (5%)	1092		1409		1250		1245		2078		1069		359		1188	
	C.V. (%)	11.04		10.64		-		11.6		18.32		5.76		3.7		-	
	F (Prob)	0		0				0		0		0		0			
	Plot Size	6		4.8		-		4.8		6		4.8		4.8		-	
	AGRONOMY DATA																
	Sowing Date	13-11		24-12		-		12-12		6-12		2-12		17-12		-	
	Harvest Date	20-05		25-05		-		6-03		-		12-05		23-04		-	
	Irrigation Nos	11		5		-		-		-		5		12		-	
	Ferilizer Appli	180		120		-		150		150		150		120		-	
	Ferilizer Appli	60		60		-		75		70		75		60		-	
	Ferilizer Appli	60		60		-		60		50		60		60		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%): ARBH 21.5 %: VAGA 20.3%

TABLE No.2 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
		ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	VAGA	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	X-915	5855	5	12544	1	9903	3	7186	6	9758	20	4276	5	9848	3	6006	7	7961	6	6983	6	7972	5
2	KH-B 52	5883	4	4856	20	5812	19	6941	8	12313	6	1760	20	7480	16	5490	11	6804	14	6147	13	7390	15
3	CMH08-284	6078	2	7719	9	8222	10	6443	15	10273	14	3600	7	8164	11	5220	14	6079	18	5649	17	7540	12
4	CMH08-292	5248	6	6648	14	8490	7	6617	11	11789	7	4395	4	8386	9	4518	18	7319	11	5919	15	7123	16
5	CMH08-350	4893	7	6703	13	9376	5	7341	5	12844	4	4853	3	9066	6	6979	3	6132	17	6555	9	7770	8
6	CMH08-432	4495	8	8493	6	9383	4	8001	3	12992	2	5039	1	9717	4	5476	12	7451	10	6464	10	7865	7
7	KMH-5050	3625	14	5784	18	5580	20	7368	4	10259	15	-		7248	18	4857	16	7564	9	6211	12	7524	13
8	NMH-1242	5904	3	9757	3	11296	2	8514	2	12917	3	2335	15	10621	2	7666	2	11430	1	9548	1	9308	1
9	Bio 151	6450	1	9423	4	11501	1	9138	1	14708	1	4018	6	11193	1	5842	9	6440	15	6141	14	9019	2
10	MMH-09-11	2563	20	4633	21	5570	21	6267	17	11297	8	2425	14	6941	20	3354	20	8221	4	5787	16	6790	19
11	MMH-09-12	2878	19	7522	11	6978	13	6759	10	11218	9	3414	8	8119	12	5671	10	6940	13	6306	11	7619	10
12	MMH-09-13	3155	16	8714	5	7839	11	7142	7	9978	18	1917	18	8418	8	4776	17	5991	19	5383	19	7590	11
13	MMH-09-14	1970	21	6568	15	6302	16	6038	19	10173	16	2888	10	7270	17	3179	21	6211	16	4695	21	6899	18
14	MMH-09-15	3937	11	6086	17	6244	17	6607	12	11037	11	2595	12	7494	15	4391	19	10631	2	7511	4	7052	17
15	HKH 308	3664	13	8347	7	8282	9	5559	20	10046	17	4885	2	8059	13	6405	4	9000	3	7702	3	7677	9
16	BIO 9637 (C)	3981	10	10756	2	7580	12	6597	13	12591	5	2771	11	9381	5	5852	8	7883	7	6868	7	8058	3
17	AH 1011	2981	18	5634	19	6414	15	4962	21	9646	21	1826	19	6664	21	5334	13	5796	20	5565	18	6415	20
18	AH 1012	3712	12	6171	16	5972	18	6280	16	9798	19	2244	16	7056	19	5063	15	5703	21	5383	20	6405	21
	CHECKS																						
19	HM 8	3334	15	7666	10	6542	14	6516	14	11045	10	2175	17	7942	14	6294	6	7819	8	7056	5	7391	14
20	HM 9	4269	9	7994	8	8414	8	6815	9	10491	13	2478	13	8429	7	6370	5	7262	12	6816	8	7978	4
21	HM 10	3074	17	7255	12	9176	6	6094	18	10517	12	3125	9	8261	10	8236	1	8129	5	8183	2	7943	6
	Location Mean	4188		7585		7851		6818		11223		3151		8369		5570		7465		6518		7582	
	Mean Stand	26		25		29		34		31		20		30		29		30		29		31	
	C.D. (5%)	1484		1209		1562		746		1749		1059		1317		1127		1488		1308		1261	
	C.V. (%)	21.45		9.65		12.05		6.62		9.44		20.32		-		12.25		12.07		-		-	
	F (Prob)	0		0		0		0		0		0				0		0					
	Plot Size	6		6		6		5.6		4.8		4.8		-		4.8		4.8		-		-	
	AGRONOMY DATA																						
	Sowing Date	3-12		5-12		31-12		6-12		4-01		8-02		-		11-12		16-11		-		-	
	Harvest Date	30-04		18-04		19-05		3-05		5-05		2-06		-		10-05		14-04		-		-	
	Irrigation Nos	6		12		-		12		10		10		-		6		10		-		-	
	Ferilizer Appli	150		240		120		150		150		200		-		150		150		-		-	
	Ferilizer Appli	75		80		60		75		75		75		-		60		60		-		-	
	Ferilizer Appli	37.5		60		40		40		75		75		-		-		-		-		-	

LOCATIONS REJECTED DUE TO NO PLANT STAND AT DELHI

GRAIN YIELD % SUPERIORITY OVER THE BIO 9637

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	X-915	57.4	-	-	-	7.5	-	-	-
2	KH-B 52	96.8	-	18.3	13	-	-	-	-
3	CMH08-284	80.3	-	21.4	42.8	3.9	-	-	-
4	CMH08-292	8.8	-	-	-	16.7	-	-	-
5	CMH08-350	70.4	-	6.1	27.6	-	-	-	-
6	CMH08-432	26.7	-	-	-	27.5	-	-	-
7	KMH-5050	60.1	-	10.8	40.6	-	-	11	6.4
8	NMH-1242	86.9	-	21.9	3.4	22.1	5	-	6.1
9	Bio 151	82.5	4.9	28.4	32.6	17.2	-	-	6.9
10	MMH-09-11	44.9	31.6	35.6	-	-	-	-	-
11	MMH-09-12	114.5	15.5	45.5	22.4	-	-	-	-
12	MMH-09-13	93.6	-	28.2	-	-	-	-	-
13	MMH-09-14	68.9	-	20.1	-	-	-	-	-
14	MMH-09-15	42.6	-	12.7	-	-	-	-	-
15	HKH 308	48.6	-	10.2	36.9	-	-	-	-
16	BIO 9637 (C)	-	-	-	-	-	-	-	-
17	AH 1011	43.3	-	6.7	10	-	-	-	-
18	AH 1012	34.3	8.2	16.1	-	-	-	-	-
	CHECKS								
19	HM 8	22.3	-	2.8	-	-	-	-	-
20	HM 9	161	-	44.8	13.1	-	-	-	-
21	HM 10	82.8	-	16.7	10.8	11.9	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE BIO 9637

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	X-915	47	16.6	30.6	8.9	-	54.3	5	2.6	1	1.7	-
2	KH-B 52	47.8	-	-	5.2	-	-	-	-	-	-	-
3	CMH08-284	52.6	-	8.5	-	-	29.9	-	-	-	-	-
4	CMH08-292	31.8	-	12	0.3	-	58.6	-	-	-	-	-
5	CMH08-350	22.9	-	23.7	11.3	2	75.1	-	19.2	-	-	-
6	CMH08-432	12.9	-	23.8	21.3	3.2	81.8	3.6	-	-	-	-
7	KMH-5050	-	-	-	11.7	-	-	-	-	-	-	-
8	NMH-1242	48.3	-	49	29.1	2.6	-	13.2	31	45	39	15.5
9	Bio 151	62	-	51.7	38.5	16.8	45	19.3	-	-	-	11.9
10	MMH-09-11	-	-	-	-	-	-	-	-	4.3	-	-
11	MMH-09-12	-	-	-	2.5	-	23.2	-	-	-	-	-
12	MMH-09-13	-	-	3.4	8.3	-	-	-	-	-	-	-
13	MMH-09-14	-	-	-	-	-	4.2	-	-	-	-	-
14	MMH-09-15	-	-	-	0.2	-	-	-	-	34.9	9.4	-
15	HKH 308	-	-	9.3	-	-	76.3	-	9.4	14.2	12.2	-
16	BIO 9637(C)	-	-	-	-	-	-	-	-	-	-	-
17	AH 1011	-	-	-	-	-	-	-	-	-	-	-
18	AH 1012	-	-	-	-	-	-	-	-	-	-	-
	CHECKS											
19	HM 8	-	-	-	-	-	-	-	7.5	-	2.7	-
20	HM 9	7.2	-	11	3.3	-	-	-	8.8	-	-	-
21	HM 10	-	-	21.1	-	-	12.8	-	40.7	3.1	19.2	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 8							
		ZN 2						ZN 3	
		KARN	KANP	MEAN	BAHR	DHOL	VARA	BHUB	MEAN
1	X-915	28.7	-	-	-	16.2	2.9	14	-
2	KH-B 52	60.9	-	15	-	2.9	7.9	27.3	4.9
3	CMH08-284	47.4	1.6	18.1	-	12.3	-	18.8	3.9
4	CMH08-292	-	-	-	-	26.2	-	3.2	-
5	CMH08-350	39.3	-	3.2	-	3	-	22.3	1.3
6	CMH08-432	3.6	-	-	-	37.9	4	17.7	3.6
7	KMH-5050	30.9	-	7.8	-	3.1	15.5	43	15.8
8	NMH-1242	52.8	-	18.6	-	32	27.6	20.5	15.4
9	Bio 151	49.2	11.2	24.9	-	26.7	15.3	25.9	16.3
10	MMH-09-11	18.5	39.5	31.9	-	-	-	4.9	-
11	MMH-09-12	75.3	22.5	41.5	-	-	-	12.9	-
12	MMH-09-13	58.3	5.7	24.7	-	-	14	26.8	1.6
13	MMH-09-14	38	4.8	16.8	-	0.7	-	14.7	-
14	MMH-09-15	16.6	5.8	9.7	-	-	-	7.5	-
15	HKH 308	21.5	-	7.2	-	1.9	1.8	-	1.7
16	BIO 9637(C)	-	6.1	-	-	8.1	21.5	28.8	8.8
17	AH 1011	17.2	-	3.8	-	-	-	9.7	-
18	AH 1012	9.8	14.8	13	-	-	-	4.9	-
	CHECKS								
19	HM 8	-	-	-	-	-	-	-	-
20	HM 9	113.3	-	40.9	-	-	8.3	10.6	0.7
21	HM 10	49.4	-	13.5	-	21	7.2	1.1	3.7

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 8

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	X-915	75.6	63.6	51.4	10.3	-	96.6	24	-	1.8	-	7.9
2	KH-B 52	76.4	-	-	6.5	11.5	-	-	-	-	-	-
3	CMH08-284	82.3	0.7	25.7	-	-	65.5	2.8	-	-	-	2
4	CMH08-292	57.4	-	29.8	1.6	6.7	102.1	5.6	-	-	-	-
5	CMH08-350	46.8	-	43.3	12.7	16.3	123.1	14.2	10.9	-	-	5.1
6	CMH08-432	34.8	10.8	43.4	22.8	17.6	131.7	22.4	-	-	-	6.4
7	KMH-5050	8.7	-	-	13.1	-	-	-	-	-	-	1.8
8	NMH-1242	77.1	27.3	72.7	30.7	17	7.4	33.7	21.8	46.2	35.3	25.9
9	Bio 151	93.5	22.9	75.8	40.2	33.2	84.7	40.9	-	-	-	22
10	MMH-09-11	-	-	-	-	2.3	11.5	-	-	5.1	-	-
11	MMH-09-12	-	-	6.7	3.7	1.6	57	2.2	-	-	-	3.1
12	MMH-09-13	-	13.7	19.8	9.6	-	-	6	-	-	-	2.7
13	MMH-09-14	-	-	-	-	-	32.8	-	-	-	-	-
14	MMH-09-15	18.1	-	-	1.4	-	19.3	-	-	36	6.4	-
15	HKH 308	9.9	8.9	26.6	-	-	124.6	1.5	1.8	15.1	9.2	3.9
16	BIO 9637(C)	19.4	40.3	15.9	1.2	14	27.4	18.1	-	0.8	-	9
17	AH 1011	-	-	-	-	-	-	-	-	-	-	-
18	AH 1012	11.3	-	-	-	-	3.2	-	-	-	-	-
	CHECKS											
19	HM 8	-	-	-	-	-	-	-	-	-	-	-
20	HM 9	28	4.3	28.6	4.6	-	13.9	6.1	1.2	-	-	7.9
21	HM 10	-	-	40.3	-	-	43.7	4	30.9	4	16	7.5

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 9							
		KARN	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	X-915	-	-	-	-	21.6	-	3.1	-
2	KH-B 52	-	-	-	-	7.7	-	15.1	4.2
3	CMH08-284	-	1.6	-	26.3	17.6	-	7.5	3.1
4	CMH08-292	-	-	-	-	32.1	-	-	-
5	CMH08-350	-	-	-	12.8	7.8	-	10.6	0.5
6	CMH08-432	-	-	-	-	44.3	-	6.5	2.9
7	KMH-5050	-	-	-	24.3	8	6.7	29.3	14.9
8	NMH-1242	-	-	-	-	38.2	17.8	9	14.6
9	Bio 151	-	11.2	-	17.2	32.6	6.4	13.9	15.5
10	MMH-09-11	-	39.5	-	-	-	-	-	-
11	MMH-09-12	-	22.5	0.5	8.3	1.5	-	2.1	-
12	MMH-09-13	-	5.7	-	-	-	5.2	14.7	0.9
13	MMH-09-14	-	4.8	-	-	5.4	-	3.8	-
14	MMH-09-15	-	5.8	-	-	-	-	-	-
15	HKH 308	-	-	-	21.1	6.7	-	-	0.9
16	BIO 9637(C)	-	6.1	-	-	13.2	12.2	16.5	8
17	AH 1011	-	-	-	-	-	-	-	-
18	AH 1012	-	14.8	-	-	-	-	-	-
	CHECKS								
19	HM 8	-	0	-	-	4.7	-	-	-
20	HM 9	-	-	-	-	-	-	-	-
21	HM 10	-	-	-	-	26.7	-	-	3

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 9										
		ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	X-915	37.1	56.9	17.7	5.4	-	72.6	16.8	-	9.6	2.5	-
2	KH-B 52	37.8	-	-	1.8	17.4	-	-	-	-	-	-
3	CMH08-284	42.4	-	-	-	-	45.3	-	-	-	-	-
4	CMH08-292	22.9	-	0.9	-	12.4	77.3	-	-	0.8	-	-
5	CMH08-350	14.6	-	11.4	7.7	22.4	95.8	7.6	9.6	-	-	-
6	CMH08-432	5.3	6.2	11.5	17.4	23.8	103.3	15.3	-	2.6	-	-
7	KMH-5050	-	-	-	8.1	-	-	-	-	4.2	-	-
8	NMH-1242	38.3	22.1	34.3	24.9	23.1	-	26	20.4	57.4	40.1	16.7
9	Bio 151	51.1	17.9	36.7	34.1	40.2	62.1	32.8	-	-	-	13
10	MMH-09-11	-	-	-	-	7.7	-	-	-	13.2	-	-
11	MMH-09-12	-	-	-	-	6.9	37.8	-	-	-	-	-
12	MMH-09-13	-	9	-	4.8	-	-	-	-	-	-	-
13	MMH-09-14	-	-	-	-	-	16.5	-	-	-	-	-
14	MMH-09-15	-	-	-	-	5.2	4.7	-	-	46.4	10.2	-
15	HKH 308	-	4.4	-	-	-	97.1	-	0.5	23.9	13	-
16	BIO 9637 (C)	-	34.5	-	-	20	11.8	11.3	-	8.6	0.8	1
17	AH 1011	-	-	-	-	-	-	-	-	-	-	-
18	AH 1012	-	-	-	-	-	-	-	-	-	-	-
	CHECKS											
19	HM 8	-	-	-	-	5.3	-	-	-	7.7	3.5	-
20	HM 9	-	-	-	-	-	-	-	-	-	-	-
21	HM 10	-	-	9.1	-	0.2	26.1	-	29.3	11.9	20.1	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD % SUPERIORITY OVER THE HM 10							
		KARN	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	BHUB	ZN 3 MEAN
1	X-915	-	-	-	-	-	-	12.8	-
2	KH-B 52	7.7	-	1.3	2	-	0.7	25.9	1.2
3	CMH08-284	-	8.9	4.1	28.9	-	-	17.6	0.1
4	CMH08-292	-	-	-	-	4.3	-	2.1	-
5	CMH08-350	-	-	-	15.2	-	-	21.1	-
6	CMH08-432	-	-	-	-	13.9	-	16.5	-
7	KMH-5050	-	1.6	-	26.9	-	7.8	41.5	11.6
8	NMH-1242	2.2	6.5	4.4	-	9.1	19	19.3	11.3
9	Bio 151	-	19.3	10	19.7	4.7	7.5	24.6	12.1
10	MMH-09-11	-	49.6	16.2	-	-	-	3.8	-
11	MMH-09-12	17.3	31.3	24.7	10.5	-	-	11.7	-
12	MMH-09-13	5.9	13.4	9.8	-	-	6.4	25.5	-
13	MMH-09-14	-	12.4	2.9	-	-	-	13.5	-
14	MMH-09-15	-	13.4	-	-	-	-	6.4	-
15	HKH 308	-	6.3	-	23.6	-	-	-	-
16	BIO 9637(C)	-	13.7	-	-	-	13.4	27.4	4.9
17	AH 1011	-	3.1	-	-	-	-	8.5	-
18	AH 1012	-	23.1	-	-	-	-	3.8	-
	CHECKS								
19	HM 8	-	7.2	-	-	-	-	-	-
20	HM 9	42.8	7.2	24.1	2.1	-	1.1	9.4	-
21	HM 10	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

TABLE No.2 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 10

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	X-915	90.5	72.9	7.9	17.9	-	36.8	19.2	-	-	-	0.4
2	KH-B 52	91.4	-	-	13.9	17.1	-	-	-	-	-	-
3	CMH08-284	97.7	6.4	-	5.7	-	15.2	-	-	-	-	-
4	CMH08-292	70.7	-	-	8.6	12.1	40.6	1.5	-	-	-	-
5	CMH08-350	59.2	-	2.2	20.5	22.1	55.3	9.7	-	-	-	-
6	CMH08-432	46.2	17.1	2.3	31.3	23.5	61.2	17.6	-	-	-	-
7	KMH-5050	17.9	-	-	20.9	-	-	-	-	-	-	-
8	NMH-1242	92.1	34.5	23.1	39.7	22.8	-	28.6	-	40.6	16.7	17.2
9	Bio 151	109.8	29.9	25.3	50	39.9	28.6	35.5	-	-	-	13.5
10	MMH-09-11	-	-	-	2.8	7.4	-	-	-	1.1	-	-
11	MMH-09-12	-	3.7	-	10.9	6.7	9.2	-	-	-	-	-
12	MMH-09-13	2.6	20.1	-	17.2	-	-	1.9	-	-	-	-
13	MMH-09-14	-	-	-	-	-	-	-	-	-	-	-
14	MMH-09-15	28.1	-	-	8.4	4.9	-	-	-	30.8	-	-
15	HKH 308	19.2	15.1	-	-	-	56.3	-	-	10.7	-	-
16	BIO 9637 (C)	29.5	48.3	-	8.3	19.7	-	13.6	-	-	-	1.5
17	AH 1011	-	-	-	-	-	-	-	-	-	-	-
18	AH 1012	20.8	-	-	3.1	-	-	-	-	-	-	-
	CHECKS											
19	HM 8	8.5	5.7	-	6.9	5	-	-	-	-	-	-
20	HM 9	38.9	10.2	-	11.8	-	-	2	-	-	-	0.4
21	HM 10	-	-	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : ARBH 21.5 %: VAGA 20.3 %

Table No.2 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	28.1	13.6	14.0	18.6	22.7	18.7	26.2	18.3	21.5
2	KH-B 52	28.5	19.1	13.3	20.3	21.6	19.7	26.7	19.7	21.9
3	CMH08-284	29.0	21.2	13.7	21.3	21.4	19.1	29.8	19.9	22.5
4	CMH08-292	30.1	20.7	14.7	21.8	23.0	22.5	29.6	20.1	23.8
5	CMH08-350	31.5	20.8	13.0	21.8	21.0	20.5	29.0	21.8	23.1
6	CMH08-432	29.5	17.0	13.3	19.9	21.7	20.2	27.4	20.3	22.4
7	KMH-5050	28.3	22.3	14.7	21.7	22.5	25.9	29.6	20.7	24.7
8	NMH-1242	31.6	15.3	15.0	20.6	24.3	19.3	25.3	18.3	21.8
9	Bio 151	29.2	16.2	13.7	19.7	22.0	22.3	30.7	18.7	23.4
10	MMH-09-11	29.6	20.6	13.7	21.3	24.2	22.1	30.5	19.7	24.1
11	MMH-09-12	30.9	20.9	12.7	21.5	23.9	22.2	31.3	22.2	24.9
12	MMH-09-13	29.8	26.1	13.3	23.1	21.8	24.2	29.4	21.3	24.2
13	MMH-09-14	29.5	16.8	13.3	19.9	-	20.4	27.3	19.6	22.4
14	MMH-09-15	29.2	20.6	14.3	21.4	21.9	18.1	25.0	19.9	21.2
15	HKH 308	29.4	20.3	13.0	20.9	23.1	17.9	24.8	18.3	21.0
16	BIO 9637(C)	28.4	15.9	13.3	19.2	23.0	-	26.5	18.2	22.6
17	AH 1011	31.9	14.5	14.7	20.3	23.4	17.8	25.1	19.3	21.4
18	AH 1012	31.5	15.3	14.3	20.4	22.5	23.8	24.0	18.8	22.3
	CHECKS									
19	HM 8	29.4	16.3	14.7	20.1	-	21.2	27.3	18.6	22.4
20	HM 9	29.3	14.8	13.7	19.2	22.2	19.6	26.0	20.8	22.1
21	HM 10	29.7	15.8	13.7	19.7	22.3	17.7	26.8	21.8	22.1
	Loc. Mean	29.7	18.3	13.8	20.6	22.5	20.6	27.5	19.8	22.6
	C.D. (5%)	0.99	4.21	1.59	3.44	1.20	2.04	0.62	0.00	2.22
	C.V. (%)	2.01	13.96	7.00	10.11	3.06	5.84	1.36	0.00	6.93
	F (Prob)	0.00	0.00	0.17	0.68	0.00	0.00	0.00	0.00	0.02

Table No.2 (Continued)

SL No	PEDIGREE	MOISTURE % AT HARVEST						ZN 4 Mean			ZN 5 Mean	OV'L Mean
		ARBH	KARI	KOLH	MAND	COIM	VAGA		BANS	GODH		
1	X-915	17.5	7.3	12.9	16.1	20.1	21.3	15.8	16.9	13.0	14.9	17.8
2	KH-B 52	20.9	8.6	14.4	16.6	21.6	22.6	17.4	14.8	16.0	15.4	18.9
3	CMH08-284	23.6	17.3	14.5	16.7	19.1	24.9	19.3	15.4	16.1	15.7	20.1
4	CMH08-292	23.9	19.4	14.7	16.3	22.7	24.9	20.3	16.6	13.6	15.1	20.8
5	CMH08-350	25.0	18.6	18.0	18.4	23.6	26.3	21.6	17.1	16.4	16.8	21.4
6	CMH08-432	21.5	20.0	16.6	17.3	23.4	26.3	20.8	15.9	15.4	15.7	20.4
7	KMH-5050	22.2	16.4	14.9	17.6	25.9	-	19.4	15.3	16.0	15.7	20.9
8	NMH-1242	20.7	12.6	14.0	17.3	22.2	23.5	18.4	17.6	15.1	16.4	19.5
9	Bio 151	26.2	9.8	15.9	16.6	23.8	28.0	20.0	16.2	14.0	15.1	20.2
10	MMH-09-11	26.1	19.0	14.2	16.6	23.1	26.3	20.9	16.1	13.3	14.7	21.0
11	MMH-09-12	17.3	15.6	14.3	16.3	22.3	24.4	18.4	15.7	14.1	14.9	20.3
12	MMH-09-13	25.7	19.1	15.6	16.1	22.9	26.1	20.9	16.2	15.5	15.9	21.5
13	MMH-09-14	14.7	18.8	14.0	17.3	20.2	20.9	17.6	15.9	16.6	16.2	18.9
14	MMH-09-15	18.5	13.7	13.7	16.4	19.7	21.1	17.2	16.2	16.8	16.5	19.0
15	HKH 308	21.2	13.7	12.5	16.2	21.5	22.7	18.0	17.1	12.4	14.7	18.9
16	BIO 9637(C)	14.3	12.4	13.0	16.4	21.0	21.3	16.4	16.7	14.3	15.5	18.2
17	AH 1011	15.0	20.3	13.7	14.7	14.8	19.1	16.3	16.1	14.4	15.2	18.3
18	AH 1012	19.0	13.8	13.0	16.5	17.7	20.4	16.7	16.1	18.5	17.3	19.0
	CHECKS											
19	HM 8	16.6	17.6	14.9	15.7	21.8	21.3	18.0	16.4	17.3	16.8	19.2
20	HM 9	17.0	17.0	14.9	16.7	19.5	22.4	17.9	16.4	19.2	17.8	19.3
21	HM 10	22.4	15.7	14.8	15.7	19.4	20.3	18.0	16.8	13.3	15.0	19.1
	Loc. Mean	20.4	15.6	14.5	16.5	21.2	23.2	18.5	16.3	15.3	15.8	19.6
	C.D. (5%)	2.88	0.00	1.00	0.30	0.83	3.11	2.66	0.53	2.49	3.09	1.44
	C.V. (%)	8.56	0.00	4.20	1.09	2.37	7.91	12.51	1.98	9.87	9.39	10.19
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00

Table No.2 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	76.0	74.5	75.3	79.1	83.5	77.3	80.0	80.0
2	KH-B 52	76.2	74.0	75.1	77.0	76.0	76.5	80.5	77.5
3	CMH08-284	76.4	73.0	74.7	81.9	81.5	80.3	79.9	80.9
4	CMH08-292	77.3	73.0	75.1	67.6	81.1	76.8	79.0	76.1
5	CMH08-350	75.9	73.7	74.8	77.4	77.6	76.0	80.3	77.8
6	CMH08-432	73.9	74.0	73.9	71.3	84.5	77.3	78.2	77.8
7	KMH-5050	76.2	74.0	75.1	75.8	87.4	76.5	77.2	79.2
8	NMH-1242	76.3	73.7	75.0	79.0	81.2	78.5	78.2	79.2
9	Bio 151	76.3	74.3	75.3	78.0	84.1	78.8	80.0	80.2
10	MMH-09-11	75.0	74.7	74.8	74.7	83.3	76.3	79.2	78.4
11	MMH-09-12	76.4	73.3	74.9	74.6	81.0	76.5	78.7	77.7
12	MMH-09-13	76.6	74.3	75.5	69.5	79.6	76.5	78.0	75.9
13	MMH-09-14	76.9	73.0	74.9	-	83.7	75.0	76.9	78.5
14	MMH-09-15	77.4	75.0	76.2	77.6	79.6	75.8	80.6	78.4
15	HKH 308	75.7	73.3	74.5	81.0	82.9	77.0	79.7	80.1
16	BIO 9637(C)	75.9	74.3	75.1	76.6	80.1	76.8	77.4	77.7
17	AH 1011	76.0	74.3	75.1	80.4	78.4	79.3	81.6	79.9
18	AH 1012	76.5	74.7	75.6	74.7	82.1	75.8	79.9	78.1
	CHECKS								
19	HM 8	76.9	73.0	74.9	-	81.0	75.8	76.0	77.6
20	HM 9	76.6	72.7	74.6	71.5	83.5	76.5	77.9	77.3
21	HM 10	75.6	73.0	74.3	74.1	86.2	76.8	76.2	78.3
	Loc. Mean	76.2	73.8	75.0	75.9	81.8	76.9	78.8	78.4
	C.D. (5%)	1.50	1.64	1.66	2.64	4.12	1.11-		3.55
	C.V. (%)	1.19	1.35	1.06	2.00	3.05	0.87-		3.20
	F (Prob)	0.02	0.15	0.78	0.00	0.00	0.00	0.00	0.38

Table No.2 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	85.9	90.1	87.8	80.4	85.2	82.4	85.3	75.8	85.0	80.4	81.6
2	KH-B 52	83.0	83.4	86.7	80.2	81.6	72.0	81.1	77.8	80.2	79.0	78.9
3	CMH08-284	85.4	81.9	84.6	80.1	80.2	79.6	82.0	77.0	79.6	78.3	80.1
4	CMH08-292	82.6	77.3	82.0	82.4	75.9	75.1	79.2	72.8	84.5	78.6	77.7
5	CMH08-350	83.5	75.3	84.0	80.9	78.3	74.6	79.4	75.9	78.9	77.4	78.0
6	CMH08-432	83.3	76.2	83.2	81.8	77.1	73.3	79.1	72.2	81.2	76.7	77.7
7	KMH-5050	81.1	79.6	83.5	79.9	79.0	-	80.6	74.8	80.5	77.7	78.9
8	NMH-1242	86.7	82.9	84.3	80.7	81.5	75.0	81.8	75.2	85.4	80.3	79.9
9	Bio 151	84.5	81.6	82.4	79.3	80.7	74.3	80.5	73.0	80.8	76.9	79.1
10	MMH-09-11	81.6	78.1	82.4	78.8	76.8	71.8	78.2	72.6	86.0	79.3	77.9
11	MMH-09-12	80.4	74.5	80.5	78.5	77.1	75.3	77.7	75.2	77.0	76.1	77.1
12	MMH-09-13	77.6	71.8	84.0	78.4	69.2	67.7	74.8	71.6	79.4	75.5	75.3
13	MMH-09-14	74.2	75.9	84.8	80.9	73.6	84.6	79.0	71.9	83.1	77.5	78.0
14	MMH-09-15	85.4	83.1	80.3	81.3	81.5	84.1	82.6	76.4	93.1	84.8	80.8
15	HKH 308	83.3	80.8	83.8	77.8	75.3	78.4	79.9	75.6	78.6	77.1	78.8
16	BIO 9637(C)	80.6	80.6	85.1	81.6	76.4	73.4	79.6	72.8	80.2	76.5	78.0
17	AH 1011	81.6	82.5	85.7	79.9	83.3	75.6	81.4	74.8	83.8	79.3	79.8
18	AH 1012	78.3	75.1	78.3	80.2	75.5	76.9	77.4	74.4	78.4	76.4	77.2
	CHECKS											
19	HM 8	84.1	78.8	80.4	78.8	76.7	71.3	78.3	75.6	83.1	79.3	77.8
20	HM 9	80.7	76.4	82.8	81.6	78.8	69.8	78.3	74.4	81.2	77.8	77.5
21	HM 10	79.1	77.9	81.3	78.8	77.5	73.6	78.0	76.2	76.0	76.1	77.3
	Loc. Mean	82.0	79.2	83.2	80.1	78.1	75.4	79.7	74.6	81.7	78.1	78.4
	C.D. (5%)	1.92	0.00	4.00	1.47	1.66	3.82	3.09	4.02	4.70	6.29	1.86
	C.V. (%)	1.42	0.00	2.91	1.11	1.29	2.99	3.38	3.27	3.49	3.86	3.18
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.55	0.00

Table No.2 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	57.8	68.8	63.3	60.4	56.1	83.3	68.8	67.2
2	KH-B 52	56.7	73.6	65.1	58.3	46.1	74.3	65.3	61.0
3	CMH08-284	57.8	70.8	64.3	66.0	51.7	80.6	66.0	66.0
4	CMH08-292	55.6	70.1	62.8	60.4	49.4	74.3	64.6	62.2
5	CMH08-350	60.0	70.1	65.1	65.3	56.7	81.3	69.4	68.2
6	CMH08-432	62.8	71.5	67.2	59.0	56.7	77.8	66.0	64.9
7	KMH-5050	58.3	71.5	64.9	66.0	31.7	66.7	66.0	57.6
8	NMH-1242	58.3	70.1	64.2	56.9	60.0	82.6	68.1	66.9
9	Bio 151	57.8	73.6	65.7	61.8	54.4	79.2	66.7	65.5
10	MMH-09-11	60.0	69.4	64.7	49.3	49.4	72.9	66.0	59.4
11	MMH-09-12	62.8	68.8	65.8	69.4	61.7	82.6	64.6	69.6
12	MMH-09-13	58.3	68.1	63.2	56.3	39.4	72.9	65.3	58.5
13	MMH-09-14	57.2	70.1	63.7	-	38.9	75.0	66.7	60.2
14	MMH-09-15	58.3	70.1	64.2	56.9	50.6	72.2	65.3	61.3
15	HKH 308	60.0	70.1	65.1	66.7	60.0	81.3	66.7	68.6
16	BIO 9637 (C)	58.3	70.1	64.2	59.7	51.1	75.7	64.6	62.8
17	AH 1011	59.4	70.8	65.1	58.3	42.8	81.3	64.6	61.7
18	AH 1012	57.2	70.8	64.0	54.2	41.7	79.2	66.7	60.4
	CHECKS								
19	HM 8	56.1	69.4	62.8	-	36.1	66.7	66.7	56.5
20	HM 9	58.9	71.5	65.2	62.5	56.1	80.6	66.7	66.5
21	HM 10	60.0	71.5	65.8	59.7	54.4	79.2	66.7	65.0
	Loc. Mean	58.7	70.5	64.6	60.4	49.8	77.1	66.2	63.3
	C.D. (5%)	3.48	2.91	3.63	6.86	9.90	7.77	4.67	6.38
	C.V. (%)	3.60	2.50	2.69	6.52	12.05	6.11	4.27	7.13
	F (Prob)	0.01	0.04	0.70	0.00	0.00	0.00	0.84	0.00

Table No.2 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	57.2	48.9	51.1	60.7	64.6	41.0	53.9	63.9	69.4	66.7	60.9
2	KH-B 52	35.6	38.9	17.2	63.1	68.8	34.0	42.9	57.6	46.5	52.1	52.6
3	CMH08-284	62.2	51.1	56.1	58.3	67.4	39.6	55.8	59.7	59.7	59.7	60.5
4	CMH08-292	42.2	43.3	49.4	60.7	66.7	40.3	50.4	59.0	54.9	56.9	56.5
5	CMH08-350	62.2	42.8	62.2	58.9	67.4	52.8	57.7	61.1	52.1	56.6	61.6
6	CMH08-432	56.7	41.1	60.6	57.7	67.4	45.8	54.9	61.8	66.0	63.9	60.8
7	KMH-5050	27.8	41.7	12.2	58.9	23.6	-	32.8	60.4	64.6	62.5	49.9
8	NMH-1242	54.4	60.0	60.6	61.3	66.0	54.2	59.4	60.4	77.1	68.7	63.6
9	Bio 151	51.7	45.0	56.1	62.5	68.8	37.5	53.6	64.6	70.1	67.4	60.7
10	MMH-09-11	24.4	32.2	43.3	61.9	68.8	35.4	44.3	57.6	77.1	67.4	54.8
11	MMH-09-12	45.6	32.2	56.1	58.9	68.8	41.0	50.4	59.0	72.9	66.0	60.3
12	MMH-09-13	38.3	37.8	50.0	60.7	68.1	36.8	48.6	58.3	65.3	61.8	55.4
13	MMH-09-14	22.2	35.0	40.0	56.5	66.7	36.8	42.9	52.8	65.3	59.0	52.6
14	MMH-09-15	39.4	34.4	31.1	58.3	68.1	33.3	44.1	57.6	70.1	63.9	54.7
15	HKH 308	47.2	30.6	59.4	57.7	66.7	52.1	52.3	61.1	60.4	60.8	60.0
16	BIO 9637(C)	37.8	37.8	35.6	61.9	56.3	27.8	42.8	59.0	66.0	62.5	54.4
17	AH 1011	33.3	40.0	56.7	59.5	64.6	41.7	49.3	60.4	65.3	62.8	57.0
18	AH 1012	34.4	48.3	48.3	60.1	68.1	45.1	50.7	55.6	37.5	46.5	54.8
	CHECKS											
19	HM 8	46.1	38.9	43.3	62.5	66.7	36.1	48.9	57.6	67.4	62.5	54.9
20	HM 9	52.8	41.1	55.6	61.9	68.8	42.4	53.7	61.8	52.1	56.9	59.5
21	HM 10	48.9	39.4	61.1	59.5	68.1	45.1	53.7	61.1	64.6	62.8	60.0
	Loc. Mean	43.8	41.0	47.9	60.1	64.7	40.9	49.7	59.6	63.1	61.3	57.4
	C.D. (5%)	11.89	5.61	8.52	5.99	4.63	10.80	8.83	5.22	10.12	14.26	4.96
	C.V. (%)	16.43	8.30	10.77	6.04	4.33	15.58	15.51	5.31	9.73	11.15	11.61
	F (Prob)	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.02	0.00	0.33	0.00

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	143.7	126.3	102.0	124.0	120.7	116.3	107.7	66.0	102.7
2	KH-B 52	145.3	126.0	100.0	123.8	120.3	120.7	111.7	68.0	105.2
3	CMH08-284	143.0	127.0	96.7	122.2	122.3	118.3	112.7	68.0	105.3
4	CMH08-292	146.7	130.7	98.3	125.2	126.3	125.3	113.7	70.0	108.8
5	CMH08-350	146.3	129.7	103.0	126.3	123.3	122.3	113.3	70.0	107.3
6	CMH08-432	147.0	128.0	99.7	124.9	124.3	125.3	113.0	69.7	108.1
7	KMH-5050	144.3	129.3	100.3	124.7	124.0	124.7	112.7	72.7	108.5
8	NMH-1242	142.7	123.0	98.3	121.3	119.0	116.7	108.0	67.7	102.8
9	Bio 151	146.0	127.7	100.3	124.7	121.7	121.3	112.7	70.7	106.6
10	MMH-09-11	149.3	128.7	104.7	127.6	126.3	126.0	113.3	70.7	109.1
11	MMH-09-12	148.0	129.3	100.7	126.0	124.0	123.7	113.7	70.7	108.0
12	MMH-09-13	153.3	134.7	100.7	129.6	124.7	127.0	117.3	74.7	110.9
13	MMH-09-14	151.3	130.7	104.3	128.8	-	127.3	113.7	69.7	103.6
14	MMH-09-15	144.3	126.0	106.3	125.6	118.7	118.7	106.7	66.3	102.6
15	HKH 308	143.3	122.7	102.3	122.8	120.7	118.3	107.7	66.7	103.3
16	BIO 9637 (C)	143.7	127.7	102.0	124.4	122.7	123.3	112.0	67.0	106.3
17	AH 1011	140.7	123.7	100.0	121.4	118.7	117.0	107.0	65.7	102.1
18	AH 1012	142.7	126.0	100.3	123.0	121.3	118.7	108.0	66.7	103.7
	CHECKS									
19	HM 8	143.3	127.0	103.7	124.7	-	124.0	114.0	70.0	102.7
20	HM 9	143.0	125.7	98.7	122.4	121.3	118.7	111.0	68.3	104.8
21	HM 10	145.7	124.0	100.0	123.2	119.3	120.7	110.3	67.7	104.5
	Loc. Mean	145.4	127.3	101.1	124.6	122.1	121.6	111.4	68.9	105.6
	C.D. (5%)	1.93	6.25	4.48	3.50	1.15	3.58	1.41	1.31	4.96
	C.V. (%)	0.80	2.97	2.68	1.70	0.54	1.78	0.77	1.15	3.32
	F (Prob)	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.01

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 50% POLLEN SHED						ZN 4 Mean			ZN 5 Mean	OV'L Mean
		ARBH	KARI	KOLH	MAND	COIM	VAGA		BANS	GODH		
1	X-915	78.0	63.3	70.0	62.7	57.7	56.3	64.7	82.3	72.7	77.5	88.4
2	KH-B 52	79.0	69.3	71.0	65.0	57.0	56.7	66.3	83.0	75.0	79.0	89.9
3	CMH08-284	81.3	70.0	71.3	66.3	59.0	55.7	67.3	81.7	73.3	77.5	89.8
4	CMH08-292	83.0	71.0	71.7	66.7	60.7	57.0	68.3	84.0	72.3	78.2	91.8
5	CMH08-350	84.3	70.7	72.3	64.3	60.7	55.7	68.0	84.7	77.0	80.8	91.8
6	CMH08-432	82.3	71.7	71.7	65.3	59.3	55.7	67.7	82.3	73.7	78.0	91.3
7	KMH-5050	83.3	71.0	71.0	67.0	62.7	-	71.0	83.0	73.0	78.0	94.2
8	NMH-1242	78.0	67.7	71.0	63.3	57.3	55.7	65.5	79.7	76.7	78.2	88.3
9	Bio 151	84.0	71.0	72.0	66.3	61.0	55.3	68.3	83.0	78.3	80.7	91.4
10	MMH-09-11	84.3	70.3	71.7	64.3	61.3	56.0	68.0	83.3	73.0	78.2	92.2
11	MMH-09-12	85.0	71.0	73.0	67.7	63.7	57.0	69.6	81.3	74.7	78.0	92.2
12	MMH-09-13	87.0	71.3	76.7	67.7	65.0	56.3	70.7	87.0	75.3	81.2	94.6
13	MMH-09-14	85.7	71.0	74.3	68.7	63.7	55.7	69.8	83.7	74.3	79.0	91.0
14	MMH-09-15	79.7	63.3	70.0	63.3	57.0	56.0	64.9	81.0	73.7	77.3	88.7
15	HKH 308	80.3	63.7	70.0	63.7	57.0	54.3	64.8	83.3	75.0	79.2	88.6
16	BIO 9637 (C)	80.3	68.0	71.7	63.7	59.7	57.0	66.7	84.0	74.7	79.3	90.5
17	AH 1011	76.7	63.3	71.3	61.0	56.0	53.3	63.6	82.3	72.7	77.5	87.3
18	AH 1012	78.7	64.0	71.0	62.0	57.0	56.7	64.9	81.7	74.7	78.2	88.6
	CHECKS											
19	HM 8	81.7	70.7	71.7	67.3	60.7	54.7	67.8	78.3	74.7	76.5	88.7
20	HM 9	80.3	69.7	70.7	65.0	58.3	57.0	66.8	82.0	70.0	76.0	89.3
21	HM 10	83.0	69.7	71.3	68.0	60.0	57.3	68.2	82.0	78.0	80.0	90.5
	Loc. Mean	81.7	68.7	71.7	65.2	59.7	56.0	67.3	82.6	74.4	78.5	90.4
	C.D. (5%)	2.44	1.58	1.31	1.87	0.81	1.69	2.15	1.22	6.25	3.84	2.72
	C.V. (%)	1.81	1.39	1.11	1.74	0.82	1.78	2.79	0.90	5.09	2.35	4.18
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.43	0.00

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING ZN 2 KARN	DELH	KANP	Mean	ZN 3 BAHR	DHOL	VARA	BHUB	Mean
1	X-915	146.3	128.0	108.0	127.4	122.7	117.0	110.7	68.0	104.6
2	KH-B 52	148.3	127.7	106.3	127.4	122.3	122.7	115.3	69.7	107.5
3	CMH08-284	145.7	128.3	103.0	125.7	124.3	119.3	115.3	69.0	107.0
4	CMH08-292	149.3	132.7	104.7	128.9	128.3	127.0	115.7	71.7	110.7
5	CMH08-350	149.0	130.7	109.3	129.7	125.3	124.0	115.7	71.0	109.0
6	CMH08-432	149.7	129.0	105.7	128.1	126.3	127.0	115.3	71.3	110.0
7	KMH-5050	146.7	130.7	106.3	127.9	126.0	125.0	116.3	89.0	114.1
8	NMH-1242	145.0	125.7	104.3	125.0	121.0	118.0	112.3	69.3	105.2
9	Bio 151	148.3	130.3	106.3	128.3	124.0	121.3	115.7	84.0	111.3
10	MMH-09-11	152.0	131.3	109.0	130.8	128.3	127.7	117.7	72.3	111.5
11	MMH-09-12	151.0	131.3	107.3	129.9	126.0	125.3	118.3	71.7	110.3
12	MMH-09-13	155.3	137.3	106.7	133.1	126.7	128.7	120.0	76.0	112.8
13	MMH-09-14	153.3	132.7	110.3	132.1	-	128.7	117.7	73.0	106.4
14	MMH-09-15	147.0	127.3	112.7	129.0	120.7	120.0	110.0	68.3	104.8
15	HKH 308	146.3	124.7	108.7	126.6	122.7	119.3	112.3	81.7	109.0
16	BIO 9637 (C)	146.7	129.0	108.0	127.9	124.7	124.3	114.7	69.3	108.3
17	AH 1011	143.3	125.3	106.0	124.9	120.3	118.3	112.3	67.7	104.7
18	AH 1012	145.3	129.0	106.3	126.9	123.3	120.7	114.3	68.7	106.8
	CHECKS									
19	HM 8	146.0	129.3	109.7	128.3	-	125.0	116.7	72.3	104.7
20	HM 9	145.3	127.0	104.7	125.7	123.3	119.7	114.0	69.3	106.6
21	HM 10	148.3	127.0	106.0	127.1	121.3	121.7	113.0	69.3	106.3
	Loc. Mean	148.0	129.3	107.1	128.1	124.1	122.9	114.9	72.5	108.2
	C.D. (5%)	1.89	6.22	4.49	3.43	1.20	3.27	1.63	13.80	6.11
	C.V. (%)	0.77	2.92	2.54	1.62	0.56	1.61	0.86	11.53	3.99
	F (Prob)	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.19	0.05

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 50% SILKING ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	75.7	67.3	71.0	63.7	58.7	58.3	65.8	85.7	77.7	81.7	90.6
2	KH-B 52	80.7	71.0	72.3	66.3	58.7	59.0	68.0	86.0	77.7	81.8	92.3
3	CMH08-284	84.7	72.7	72.3	67.7	60.7	58.0	69.3	85.3	78.0	81.7	92.3
4	CMH08-292	84.7	73.0	72.7	68.0	62.7	59.7	70.1	88.0	76.3	82.2	94.3
5	CMH08-350	84.3	72.3	73.3	65.3	63.0	59.0	69.6	88.3	80.7	84.5	94.1
6	CMH08-432	85.0	72.7	72.7	66.3	60.3	58.0	69.2	85.7	79.0	82.3	93.6
7	KMH-5050	86.0	71.7	72.0	68.0	64.3	-	72.4	86.3	77.7	82.0	97.6
8	NMH-1242	81.0	70.7	72.0	65.3	59.3	57.7	67.7	82.7	81.0	81.8	91.0
9	Bio 151	87.3	73.0	73.0	68.7	63.0	58.3	70.6	87.0	82.3	84.7	94.8
10	MMH-09-11	90.0	73.7	72.7	67.7	63.7	58.7	71.1	87.0	81.0	84.0	95.5
11	MMH-09-12	90.0	73.0	74.0	70.0	66.3	59.3	72.1	84.7	79.3	82.0	95.2
12	MMH-09-13	90.7	72.3	77.7	70.0	68.0	59.0	72.9	90.7	79.3	85.0	97.2
13	MMH-09-14	90.3	73.3	75.7	70.0	66.0	58.7	72.3	86.7	77.7	82.2	93.9
14	MMH-09-15	81.7	66.7	71.0	64.3	58.3	62.3	67.4	84.3	78.3	81.3	91.5
15	HKH 308	83.3	67.0	71.0	64.0	58.3	58.0	66.9	86.7	79.3	83.0	92.2
16	BIO 9637(C)	84.3	70.7	72.7	65.0	62.7	62.7	69.7	87.3	78.3	82.8	93.4
17	AH 1011	80.3	67.0	72.3	62.3	57.7	56.7	66.1	85.7	77.0	81.3	90.2
18	AH 1012	82.7	67.3	72.0	63.3	60.3	59.3	67.5	85.3	79.0	82.2	91.8
	CHECKS											
19	HM 8	85.0	71.7	72.7	69.0	63.3	58.3	70.0	82.3	77.7	80.0	91.4
20	HM 9	82.7	71.0	71.7	65.0	59.7	59.7	68.3	86.0	77.0	81.5	91.7
21	HM 10	87.0	71.0	72.7	69.7	62.3	49.7	68.7	85.7	83.0	84.3	92.5
	Loc. Mean	84.6	70.9	72.7	66.7	61.8	58.5	69.3	86.1	78.9	82.5	93.2
	C.D. (5%)	3.97	1.75	1.41	2.17	0.92	7.28	2.60	1.38	6.40	3.68	2.91
	C.V. (%)	2.85	1.50	1.17	1.97	0.90	7.35	3.28	0.97	4.91	2.14	4.34
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.86	0.42	0.00

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK							
		KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	180.7	143.5	162.1	161.7	161.3	156.7	110.7	147.6
2	KH-B 52	178.7	147.0	162.8	161.7	162.0	157.3	111.3	148.1
3	CMH08-284	178.7	155.0	166.8	159.0	158.3	153.0	109.0	144.8
4	CMH08-292	184.7	146.7	165.7	160.3	161.7	153.0	110.3	146.3
5	CMH08-350	181.3	144.3	162.8	159.3	161.0	153.0	111.0	146.1
6	CMH08-432	182.0	144.3	163.2	163.0	160.7	153.0	109.3	146.5
7	KMH-5050	185.0	152.0	168.5	163.7	166.0	157.3	158.0	161.3
8	NMH-1242	182.3	147.7	165.0	163.3	159.3	157.7	110.7	147.8
9	Bio 151	182.0	152.0	167.0	162.7	164.7	157.3	155.4	160.0
10	MMH-09-11	188.7	158.7	173.7	163.7	166.0	157.7	114.7	150.5
11	MMH-09-12	188.0	153.0	170.5	160.7	163.0	156.7	113.0	148.3
12	MMH-09-13	188.0	148.0	168.0	164.7	165.0	156.7	115.7	150.5
13	MMH-09-14	181.7	152.3	167.0	-	161.3	152.3	110.0	141.2
14	MMH-09-15	181.0	151.0	166.0	157.3	157.7	152.0	111.3	144.6
15	HKH 308	182.0	144.7	163.3	159.7	160.7	154.3	135.1	152.5
16	BIO 9637(C)	184.3	147.7	166.0	160.7	162.3	156.7	112.7	148.1
17	AH 1011	179.7	147.7	163.7	160.7	155.3	152.7	108.7	144.3
18	AH 1012	184.3	155.0	169.7	158.7	159.7	152.0	111.7	145.5
	CHECKS								
19	HM 8	185.7	151.3	168.5	-	162.3	154.0	111.0	142.4
20	HM 9	184.0	150.0	167.0	158.7	161.0	155.7	108.0	145.8
21	HM 10	182.7	145.0	163.8	163.3	163.3	157.0	113.7	149.3
	Loc. Mean	183.1	149.4	166.2	161.2	161.6	155.0	116.7	148.2
	C.D. (5%)	2.34	7.33	5.95	1.75	2.38	1.42	38.14	10.33
	C.V. (%)	0.77	2.98	1.71	0.62	0.89	0.56	19.80	4.93
	F (Prob)	0.00	0.01	0.05	0.00	0.00	0.00	0.33	0.04

Table No.2 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	125.3	94.3	112.7	101.3	98.0	98.7	105.1	115.0	107.7	111.3	126.3
2	KH-B 52	125.0	98.0	112.3	103.3	99.3	101.3	106.6	117.0	118.3	117.7	128.0
3	CMH08-284	124.0	99.7	113.0	102.0	100.7	101.3	106.8	116.0	114.0	115.0	127.4
4	CMH08-292	123.3	100.0	113.3	101.7	104.0	102.0	107.4	117.7	110.3	114.0	127.8
5	CMH08-350	125.7	99.3	113.3	98.7	104.3	101.3	107.1	117.3	110.7	114.0	127.2
6	CMH08-432	125.7	99.7	113.7	98.7	102.0	100.0	106.6	116.0	116.3	116.2	127.5
7	KMH-5050	125.3	98.7	112.7	106.0	105.0	-	109.5	81.7	116.7	99.2	132.9
8	NMH-1242	125.7	97.7	113.3	102.0	98.0	100.0	106.1	112.0	114.3	113.2	127.4
9	Bio 151	126.0	100.0	114.0	104.7	104.0	102.7	108.6	116.7	120.3	118.5	133.0
0	MMH-09-11	130.0	100.7	114.7	107.0	104.7	100.7	109.6	115.7	120.3	118.0	131.6
1	MMH-09-12	127.3	100.0	114.0	106.7	105.3	101.7	109.2	115.0	117.7	116.3	130.1
2	MMH-09-13	126.7	99.3	117.7	105.7	106.0	103.0	109.7	118.0	117.0	117.5	130.8
3	MMH-09-14	128.0	100.3	116.0	102.0	105.0	102.3	108.9	117.3	113.0	115.2	126.3
4	MMH-09-15	126.0	93.7	112.7	100.0	97.7	102.7	105.4	113.0	121.3	117.2	127.0
5	HKH 308	125.0	94.0	113.0	102.3	98.0	101.7	105.7	116.3	116.7	116.5	128.8
6	BIO 9637 (C)	125.3	97.7	112.7	102.0	103.7	102.7	107.3	116.7	111.3	114.0	128.3
7	AH 1011	124.0	94.0	113.3	97.7	97.7	100.3	104.5	114.7	107.0	110.8	125.2
8	AH 1012	126.7	94.3	112.7	101.3	98.0	99.3	105.4	115.3	119.7	117.5	127.8
	CHECKS											
9	HM 8	126.7	98.7	113.7	104.0	103.7	103.0	108.3	113.0	115.3	114.2	126.3
0	HM 9	126.3	98.0	113.0	101.7	100.3	101.3	106.8	116.0	117.0	116.5	127.9
1	HM 10	127.0	98.0	113.3	105.0	102.0	99.0	107.4	116.7	125.3	121.0	129.4
	Loc. Mean	126.0	97.9	113.6	102.6	101.8	101.3	107.2	114.1	115.7	114.9	128.4
	C.D. (5%)	3.28	1.75	1.69	2.32	0.91	2.67	2.00	20.59	13.46	13.42	4.37
	C.V. (%)	1.58	1.09	0.90	1.37	0.54	1.56	1.63	10.93	7.05	5.60	4.57
	F (Prob)	0.09	0.00	0.00	0.00	0.00	0.02	0.00	0.37	0.53	0.58	0.01

Table No.2 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	165.7	225.0	183.5	191.4	120.0	161.5	185.0	234.4	175.2
2	KH-B 52	185.7	190.0	178.7	184.8	134.0	148.7	190.0	237.5	177.5
3	CMH08-284	185.3	190.0	179.3	184.9	145.7	177.5	232.5	284.3	210.0
4	CMH08-292	162.3	240.0	169.7	190.7	145.7	185.0	225.0	278.5	208.6
5	CMH08-350	184.3	210.0	169.0	187.8	138.0	179.2	222.5	273.1	203.2
6	CMH08-432	173.0	230.0	181.3	194.8	129.7	187.5	232.5	268.7	204.6
7	KMH-5050	166.7	235.0	171.3	191.0	121.0	157.0	200.0	195.1	168.3
8	NMH-1242	168.0	225.0	172.0	188.3	125.3	173.0	217.5	239.1	188.7
9	Bio 151	177.3	225.0	178.0	193.4	121.3	144.8	182.5	211.2	165.0
10	MMH-09-11	142.7	225.0	179.7	182.4	111.3	151.0	177.5	238.2	169.5
11	MMH-09-12	169.7	165.0	170.7	168.4	140.0	147.7	185.0	242.7	178.8
12	MMH-09-13	189.3	215.0	184.3	196.2	123.7	164.2	202.5	280.2	192.6
13	MMH-09-14	182.7	225.0	186.0	197.9	-	164.0	205.0	264.8	211.3
14	MMH-09-15	134.0	225.0	172.0	177.0	103.3	92.5	172.5	224.3	148.2
15	HKH 308	150.3	220.0	172.7	181.0	119.7	142.7	175.0	156.0	148.3
16	BIO 9637(C)	157.7	230.0	191.7	193.1	134.7	162.0	205.0	247.9	187.4
17	AH 1011	190.7	215.0	174.3	193.3	115.0	143.5	177.5	211.8	162.0
18	AH 1012	160.0	240.0	182.0	194.0	106.7	141.2	170.0	231.6	162.4
	CHECKS									
19	HM 8	151.7	230.0	185.0	188.9	-	161.8	180.0	216.9	186.2
20	HM 9	216.3	195.0	188.0	199.8	114.7	140.0	185.0	235.3	168.8
21	HM 10	216.7	145.0	175.7	179.1	132.0	171.3	227.5	245.6	194.1
	Loc. Mean	172.9	214.3	178.3	188.5	125.4	157.0	197.6	238.9	181.5
	C.D. (5%)	12.60	-	13.98	35.32	27.27	31.28	6.78	39.39	25.44
	C.V. (%)	4.42	-	4.75	11.36	12.50	12.08	2.08	9.99	9.91
	F (Prob)	0.00	-	0.05	0.99	0.05	0.00	0.00	0.00	0.00

Table No.2 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	157.5	281.7	185.0	201.7	220.6	162.8	201.5	219.0	202.0	210.5	193.7
2	KH-B 52	155.0	255.0	186.7	188.3	199.5	149.1	188.9	224.5	185.0	204.8	187.2
3	CMH08-284	191.0	283.3	193.3	218.0	220.3	166.9	212.1	212.4	183.7	198.0	204.2
4	CMH08-292	190.0	256.7	206.7	233.0	241.1	165.2	215.4	209.2	176.3	192.8	205.6
5	CMH08-350	183.5	266.7	195.0	218.0	234.6	171.4	211.5	226.2	204.3	215.3	205.1
6	CMH08-432	191.0	286.7	201.7	225.7	227.9	166.5	216.6	208.3	198.7	203.5	207.3
7	KMH-5050	162.5	256.7	213.3	221.3	218.1	-	214.4	214.0	197.7	205.8	195.0
8	NMH-1242	160.0	268.3	205.0	206.3	224.9	148.7	202.2	211.5	184.7	198.1	195.3
9	Bio 151	147.5	240.0	183.3	197.3	204.9	147.7	186.8	208.2	181.3	194.8	183.4
10	MMH-09-11	141.5	230.0	163.3	193.7	196.8	110.8	172.7	206.6	197.0	201.8	177.7
11	MMH-09-12	140.5	230.0	168.3	188.3	192.1	135.4	175.8	208.2	134.7	171.4	174.5
12	MMH-09-13	146.5	266.7	171.7	213.7	212.9	136.7	191.4	212.5	192.3	202.4	194.1
13	MMH-09-14	158.0	250.0	181.7	219.0	217.6	155.9	197.0	211.8	180.3	196.1	200.1
14	MMH-09-15	153.5	218.3	188.3	199.7	196.0	146.8	183.8	219.6	197.0	208.3	176.2
15	HKH 308	133.0	225.0	178.3	190.7	199.4	136.1	177.1	210.1	189.3	199.7	173.2
16	BIO 9637 (C)	163.0	273.3	181.7	196.0	198.8	144.3	192.9	225.7	185.7	205.7	193.2
17	AH 1011	156.5	228.3	193.3	194.7	189.8	150.8	185.6	211.4	172.0	191.7	181.6
18	AH 1012	142.5	256.7	183.3	193.3	199.1	127.3	183.7	201.6	194.0	197.8	181.9
	CHECKS											
19	HM 8	148.0	235.0	171.7	199.7	202.6	130.3	181.2	199.9	191.3	195.6	186.0
20	HM 9	158.0	260.0	183.3	204.0	196.3	117.9	186.6	205.6	174.0	189.8	184.9
21	HM 10	173.0	280.0	183.3	197.0	215.1	161.5	201.7	222.6	190.3	206.5	195.8
	Loc. Mean	159.6	254.7	186.6	204.7	209.9	146.6	194.2	212.8	186.3	199.5	190.3
	C.D. (5%)	8.42	23.95	18.33	22.49	6.71	19.29	12.78	9.10	38.22	21.91	11.74
	C.V. (%)	3.20	5.70	5.95	6.66	1.94	7.77	5.75	2.59	12.43	5.26	8.59
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.18	0.00

Table No.2 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	BHUB	ZN 3 Mean
1	X-915	76.3	135.0	66.5	92.6	32.7	70.0	85.0	118.2	91.1
2	KH-B 52	104.7	85.0	62.7	84.1	42.0	66.2	97.5	131.4	98.4
3	CMH08-284	103.0	105.0	70.7	92.9	56.3	88.7	122.5	172.7	127.9
4	CMH08-292	77.3	125.0	67.7	90.0	53.0	86.2	122.5	156.7	121.8
5	CMH08-350	83.0	125.0	64.3	90.8	41.7	82.2	110.0	158.5	116.9
6	CMH08-432	81.3	150.0	68.0	99.8	46.3	97.8	127.5	146.8	124.0
7	KMH-5050	76.7	140.0	67.0	94.6	36.7	64.5	102.5	111.4	92.8
8	NMH-1242	69.3	155.0	69.0	97.8	32.0	74.2	97.5	115.5	95.7
9	Bio 151	86.0	135.0	66.0	95.7	37.3	74.0	102.5	139.5	105.3
10	MMH-09-11	69.7	130.0	65.3	88.3	40.0	74.3	102.5	137.9	104.9
11	MMH-09-12	106.3	115.0	65.0	95.4	40.7	72.5	107.5	140.4	106.8
12	MMH-09-13	104.3	110.0	74.7	96.3	45.7	82.2	120.0	172.0	124.7
13	MMH-09-14	90.3	110.0	76.0	92.1	-	77.3	110.0	157.3	114.9
14	MMH-09-15	59.3	140.0	68.0	89.1	29.3	66.5	90.0	132.4	96.3
15	HKH 308	80.3	135.0	64.3	93.2	41.0	75.8	97.5	93.0	88.8
16	BIO 9637(C)	69.0	135.0	73.7	92.6	48.3	73.0	95.0	126.9	98.3
17	AH 1011	97.3	100.0	62.3	86.6	28.0	67.5	97.5	112.9	92.6
18	AH 1012	71.0	115.0	61.7	82.6	33.0	62.7	90.0	129.3	94.0
	CHECKS									
19	HM 8	71.3	140.0	68.3	93.2	-	83.3	105.0	124.5	104.3
20	HM 9	134.0	95.0	74.0	101.0	38.0	65.2	102.5	127.7	98.4
21	HM 10	104.3	95.0	67.7	89.0	36.7	79.0	112.5	123.3	104.9
	Loc. Mean	86.4	122.6	67.8	92.3	39.9	75.4	104.6	134.7	104.9
	C.D. (5%)	7.03-		8.69	29.81	17.76	14.62	6.89	4.40	15.96
	C.V. (%)	4.93-		7.77	19.58	25.54	11.75	3.99	1.98	9.22
	F (Prob)	0.00	0.00	0.05	1.00	0.09	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 25.5%

Table No.2 (Continued)

SL No	PEDIGREE	EAR HEIGHT(cm) ARBH	KARI	KOLH	MAND	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	X-915	72.5	125.0	116.7	98.7	88.3	100.2	106.9	101.3	104.1	97.0
2	KH-B 52	74.5	110.0	118.3	96.3	74.5	94.7	108.8	87.0	97.9	93.6
3	CMH08-284	95.5	133.3	130.0	115.0	83.6	111.5	105.6	85.3	95.5	108.5
4	CMH08-292	93.0	126.7	128.3	129.0	88.8	113.2	110.0	79.0	94.5	106.9
5	CMH08-350	86.0	128.3	123.3	121.7	102.5	112.4	123.4	105.3	114.4	108.7
6	CMH08-432	98.0	136.7	126.7	119.7	100.2	116.2	131.4	95.3	113.4	113.8
7	KMH-5050	73.0	113.3	123.3	117.0	-	106.7	111.6	96.3	104.0	99.7
8	NMH-1242	70.5	110.0	123.3	95.3	82.2	96.3	114.3	86.3	100.3	97.1
9	Bio 151	69.0	123.3	123.3	106.7	72.8	99.0	111.1	94.0	102.5	100.2
10	MMH-09-11	70.5	113.3	105.0	104.3	67.0	92.0	107.8	97.7	102.7	95.8
11	MMH-09-12	68.5	121.7	108.3	97.3	76.3	94.4	109.5	76.0	92.8	97.3
12	MMH-09-13	76.0	141.7	118.3	125.3	81.5	108.6	133.6	89.0	111.3	109.9
13	MMH-09-14	72.0	120.0	118.3	115.0	87.2	102.5	110.6	88.7	99.6	102.5
14	MMH-09-15	77.5	95.0	126.7	106.7	85.9	98.3	123.2	94.7	108.9	97.4
15	HKH 308	63.5	121.7	120.0	103.3	75.6	96.8	129.6	95.7	112.6	96.6
16	BIO 9637(C)	73.5	118.3	110.0	94.7	78.0	94.9	128.8	82.0	105.4	96.8
17	AH 1011	75.5	100.0	126.7	99.7	80.4	96.4	110.9	84.3	97.6	93.5
18	AH 1012	71.0	113.3	128.3	102.3	80.4	99.1	116.2	97.7	106.9	95.3
	CHECKS										
19	HM 8	71.0	128.3	116.7	110.3	79.5	101.2	119.1	101.0	110.1	101.4
20	HM 9	70.5	125.0	113.3	96.3	66.9	94.4	107.9	88.3	98.1	97.4
21	HM 10	82.5	115.0	126.7	101.0	87.6	102.6	116.8	88.7	102.7	100.0
	Loc. Mean	76.4	120.0	120.6	107.4	82.0	101.5	116.1	91.1	103.6	100.4
	C.D. (5%)	7.66	22.84	17.00	15.88	12.75	9.53	8.54	24.47	15.38	8.71
	C.V. (%)	6.08	11.54	8.54	8.96	9.18	7.46	4.46	16.27	7.12	11.22
	F (Prob)	0.00	0.03	0.18	0.00	0.00	0.00	0.00	0.69	0.18	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : BAHRAICH 25.5%

TABLE No.3:
PERFORMANCE OF LATE MATURING EXPERIMENTAL HYBRIDS AT GOSSAIGAON, LUDHIANA, KARNAL, KANPUR,DHOLI, VARANASI, RANCHI, BHUBANESHWAR, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI,BANSWARA,GODHRA IN TRIAL NO: TR04 (AET1-L)DURING RABI 2010-11.

GRAIN YIELD (kg/ha) AT 15% MOISTURE

Sl No	PEDIGREE	ZN 1 GOSS	R	LUDH	R	KARN	R	DELH	R	KANP	R	ZN 2 MEAN	R	DHOL	R	VARA	R	RANC	R	BHUB	R	ZN 3 MEAN	R
1	115-08-01	3650	7	3521	8	7386	2	7490	5	11164	7	7357	8	6881	11	11518	4	6765	8	5474	6	7659	7
2	DMRNH 2	4569	3	3341	11	7948	1	5830	10	10483	11	7258	9	7053	10	9623	9	6865	7	5433	7	7243	10
3	JH 8823	2680	10	3492	9	7268	4	7597	4	10967	9	7242	10	7571	7	9979	8	7495	6	5302	9	7587	8
4	JH 8825	3842	5	3407	10	7302	3	7887	3	11816	4	7508	5	7874	5	12554	1	5961	10	5174	10	7891	5
5	35A019	5074	1	4602	3	6921	5	7206	6	11646	5	7723	3	7542	8	11574	3	7853	4	6094	1	8266	2
6	35A035	4708	2	4123	7	6710	7	8583	1	11583	6	7472	6	7055	9	11426	5	7570	5	5756	4	7952	4
7	Bio 265	2605	11	5231	1	6293	10	6430	8	11818	3	7781	2	8247	2	10082	7	8307	2	5761	3	8099	3
8	PRO 379	4486	4	4778	2	6846	6	8215	2	10645	10	7423	7	8164	3	12206	2	8482	1	5797	2	8663	1
	CHECKS																						
9	Seedtec 2324	2955	9	4138	6	1690	11	3275	11	11090	8	5640	11	8064	4	-		-		4944	11	6504	11
10	Buland	3673	6	4331	5	6456	8	6099	9	11953	2	7580	4	7608	6	10411	6	6134	9	5318	8	7368	9
11	HM 11	3141	8	4385	4	6416	9	6616	7	12549	1	7783	1	9491	1	8383	10	7902	3	5649	5	7856	6
	Location Mean	3762		4123		6476		6839		11429		7342		7777		10775		7333		5518		7851	
	Mean Stand	29		46		72		54		74		64		65		73		56		60		64	
	C.D. (5%)	1079		1258		590		2454		980		943		1707		1805		1001		567		1270	
	C.V. (%)	16.78		17.86		5.33		20.99		5.02		-		12.84		9.72		7.92		6.01		-	
	F (Prob)	0		0.004		0		0		0.003				0.205		0		0.089		0			
	Plot Size	9.6		7.2		12		12		9.6		-		12		9.6		11.2		9.6		-	
	AGRONOMY DATA																						
	Sowing Date	29-11		4-12		13-11		4-12		24-12		-		6-12		26-11		20-12		28-11		-	
	Harvest Date	6-06		18-06		21-05		18-06		25-05		-		-		10-05		2-06		11-04		-	
	Irrigation Nos	-		18		12		5		5		-		-		5		10		12		-	
	Ferilizer Applie	80		70		180		120		120		-		150		150		120		120		-	
	Ferilizer Applie	40		24		60		60		60		-		70		75		60		60		-	
	Ferilizer Applie	40		12		60		40		60		-		50		60		40		60		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.0 %: ARBH 20.7 %

TABLE No.3 (Cont..)

GRAIN YIELD (kg/ha) AT 15% MOISTURE

Sl No	PEDIGREE	ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	VAGA	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	115-08-01	5341	4	9179	4	8481	4	10501	2	10778	7	3596	4	8507	5	6629	5	9883	9	8256	7	7694	6
2	DMRNH 2	5471	3	7456	10	7413	7	7226	10	10868	6	2963	8	7185	9	5773	9	10213	8	7993	8	7148	8
3	JH 8823	4106	10	8765	5	6782	10	7677	6	10298	9	4349	1	7574	7	6897	3	6653	11	6775	11	7078	9
4	JH 8825	4165	9	8591	6	9129	3	8562	4	10719	8	4036	2	8207	6	6274	8	11507	6	8890	6	7783	5
5	35A019	5853	2	10972	3	9345	2	8237	5	12550	3	3269	6	8874	2	6339	7	14903	3	10621	3	8461	2
6	35A035	5092	7	14032	1	7744	6	7352	8	12200	4	2465	9	8758	3	6747	4	13713	4	10230	5	8212	3
7	Bio 265	5188	6	8099	8	7852	5	10702	1	13402	2	3559	5	8723	4	7413	1	13669	5	10541	4	8203	4
8	PRO 379	7954	1	11156	2	9990	1	10107	3	13822	1	2318	10	9479	1	6350	6	15299	2	10825	2	8697	1
	CHECKS																						
9	Seedtec 2324	-		5613	11	4439	11	-		-		-		5026	11	-		15510	1	15510	1	6494	11
10	Buland	4679	8	7972	9	6804	9	7609	7	7862	10	3740	3	6797	10	7131	2	8187	10	7659	10	7013	10
11	HM 11	5227	5	8399	7	6921	8	7347	9	10895	5	2996	7	7312	8	4970	10	10413	7	7692	9	7324	7
	Location Mean	5308		9112		7718		8532		11339		3329		8006		6452		11814		9133		7699	
	Mean Stand	50		54		61		65		66		50		59		62		61		61		60	
	C.D. (5%)	1896		1338		1583		740		1398		511		1114		903		2679		1791		1209	
	C.V. (%)	20.74		8.59		12		5.03		7.16		8.92		-		8.13		13.27		-		-	
	F (Prob)	0.004		0		0		0		0		0				0		0					
	Plot Size	12		12		12		11.2		9.6		9.6		-		9.6		9.6		-		-	
	AGRONOMY DATA																						
	Sowing Date	3-12		5-12		31-12		6-12		4-01		8-02		-		11-12		15-11		-		-	
	Harvest Date	30-04		18-04		18-05		5-05		6-05		2-06		-		10-05		18-04		-		-	
	Irrigation Nos	6		12		-		12		10		11		-		6		10		-		-	
	Ferilizer Applie	150		240		120		150		150		200		-		150		150		-		-	
	Ferilizer Applie	75		80		60		75		75		75		-		60		60		-		-	
	Ferilizer Applie	37.5		60		40		40		75		75		-		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.0 %: ARBH 20.7 %

TABLE No.3 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	115-08-01	23.5	-	337	128.7	0.7	30.5	-	-	-	10.7	17.8
2	DMRNH 2	54.6	-	370.2	78	-	28.7	-	-	-	9.9	11.4
3	JH 8823	-	-	330	132	-	28.4	-	-	-	7.2	16.6
4	JH 8825	30	-	332	140.9	6.5	33.1	-	-	-	4.7	21.3
5	35A019	71.7	11.2	309.4	120.1	5	36.9	-	-	-	23.3	27.1
6	35A035	59.3	-	296.9	162.1	4.4	32.5	-	-	-	16.4	22.3
7	Bio 265	-	26.4	272.3	96.3	6.6	38	2.3	-	-	16.5	24.5
8	PRO 379	51.8	15.5	305	150.9	-	31.6	1.2	-	-	17.3	33.2
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	-	-	-	-	-
10	Buland	24.3	4.7	281.9	86.3	7.8	34.4	-	-	-	7.6	13.3
11	HM 11	6.3	6	279.6	102.1	13.2	38	17.7	-	-	14.3	20.8

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	115-08-01	-	63.6	91	-	-	-	69.3	-	-	-	18.5
2	DMRNH 2	-	32.8	67	-	-	-	43	-	-	-	10.1
3	JH 8823	-	56.2	52.8	-	-	-	50.7	-	-	-	9
4	JH 8825	-	53.1	105.6	-	-	-	63.3	-	-	-	19.9
5	35A019	-	95.5	110.5	-	-	-	76.6	-	-	-	30.3
6	35A035	-	150	74.4	-	-	-	74.3	-	-	-	26.5
7	Bio 265	-	44.3	76.9	-	-	-	73.6	-	-	-	26.3
8	PRO 379	-	98.8	125	-	-	-	88.6	-	-	-	33.9
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	-	-	-	-	-
10	Buland	-	42	53.3	-	-	-	35.3	-	-	-	8
11	HM 11	-	49.6	55.9	-	-	-	45.5	-	-	-	12.8

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.0 %: ARBH 20.7 %

TABLE No.3 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Buland

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	115-08-01	-	-	14.4	22.8	-	-	-	10.6	10.3	2.9	4
2	DMRNH 2	24.4	-	23.1	-	-	-	-	-	11.9	2.1	-
3	JH 8823	-	-	12.6	24.5	-	-	-	-	22.2	-	3
4	JH 8825	4.6	-	13.1	29.3	-	-	3.5	20.6	-	-	7.1
5	35A019	38.1	6.3	7.2	18.1	-	1.9	-	11.2	28	14.6	12.2
6	35A035	28.2	-	3.9	40.7	-	-	-	9.7	23.4	8.2	7.9
7	Bio 265	-	20.8	-	5.4	-	2.7	8.4	-	35.4	8.3	9.9
8	PRO 379	22.1	10.3	6	34.7	-	-	7.3	17.2	38.3	9	17.6
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	6	-	-	-	-
10	Buland	-	-	-	-	-	-	-	-	-	-	-
11	HM 11	-	1.3	-	8.5	5	2.7	24.7	-	28.8	6.2	6.6

GRAIN YIELD % SUPERIORITY OVER THE Buland

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	115-08-01	14.2	15.1	24.7	38	37.1	-	25.2	-	20.7	7.8	9.7
2	DMRNH 2	16.9	-	9	-	38.2	-	5.7	-	24.8	4.4	1.9
3	JH 8823	-	9.9	-	0.9	31	16.3	11.4	-	-	-	0.9
4	JH 8825	-	7.8	34.2	12.5	36.3	7.9	20.7	-	40.6	16.1	11
5	35A019	25.1	37.6	37.3	8.2	59.6	-	30.6	-	82	38.7	20.7
6	35A035	8.8	76	13.8	-	55.2	-	28.8	-	67.5	33.6	17.1
7	Bio 265	10.9	1.6	15.4	40.6	70.5	-	28.3	4	67	37.6	17
8	PRO 379	70	39.9	46.8	32.8	75.8	-	39.4	-	86.9	41.3	24
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	-	-	89.5	102.5	-
10	Buland	-	-	-	-	-	-	-	-	-	-	-
11	HM 11	11.7	5.3	1.7	-	38.6	-	7.6	-	27.2	0.4	4.4

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.0 %: ARBH 20.7 %

TABLE No.3 (Cont...)

GRAIN YIELD % SUPERIORITY OVER THE HM 11

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	115-08-01	16.2	-	15.1	13.2	-	-	-	37.4	-	-	-
2	DMRNH 2	45.4	-	23.9	-	-	-	-	14.8	-	-	-
3	JH 8823	-	-	13.3	14.8	-	-	-	19	-	-	-
4	JH 8825	22.3	-	13.8	19.2	-	-	-	49.8	-	-	0.4
5	35A019	61.5	4.9	7.9	8.9	-	-	-	38.1	-	7.9	5.2
6	35A035	49.9	-	4.6	29.7	-	-	-	36.3	-	1.9	1.2
7	Bio 265	-	19.3	-	-	-	-	-	20.3	5.1	2	3.1
8	PRO 379	42.8	9	6.7	24.2	-	-	-	45.6	7.3	2.6	10.3
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	-	-	-	-	-
10	Buland	16.9	-	0.6	-	-	-	-	24.2	-	-	-
11	HM 11	-	-	-	-	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE HM 11

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	115-08-01	2.2	9.3	22.5	42.9	-	20	16.4	33.4	-	7.3	5.1
2	DMRNH 2	4.7	-	7.1	-	-	-	-	16.2	-	3.9	-
3	JH 8823	-	4.4	-	4.5	-	45.1	3.6	38.8	-	-	-
4	JH 8825	-	2.3	31.9	16.5	-	34.7	12.2	26.2	10.5	15.6	6.3
5	35A019	12	30.6	35	12.1	15.2	9.1	21.4	27.6	43.1	38.1	15.5
6	35A035	-	67.1	11.9	0.1	12	-	19.8	35.8	31.7	33	12.1
7	Bio 265	-	-	13.4	45.7	23	18.8	19.3	49.2	31.3	37	12
8	PRO 379	52.2	32.8	44.3	37.6	26.9	-	29.6	27.8	46.9	40.7	18.7
	CHECKS											
9	Seedtec 232	-	-	-	-	-	-	-	-	48.9	101.6	-
10	Buland	-	-	-	3.6	-	24.8	-	43.5	-	-	-
11	HM 11	-	-	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : DELH 21.0%: ARBH 20.7%

Table No.3 (Continued)

MOISTURE % AT HARVEST

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	23.9	27.5	30.7	17.9	12.0	22.0	24.3	29.2	20.2	17.0	22.7
2	DMRNH 2	23.5	27.2	30.1	20.2	12.7	22.5	23.2	29.8	23.8	15.3	23.0
3	JH 8823	22.6	25.8	30.0	18.4	13.7	22.0	21.4	28.1	23.8	17.9	22.8
4	JH 8825	23.9	27.1	31.2	18.4	14.7	22.8	21.0	28.9	20.9	17.7	22.1
5	35A019	18.8	27.8	29.9	17.3	14.3	22.3	24.7	27.2	22.9	19.0	23.4
6	35A035	23.5	28.4	31.1	13.2	13.3	21.5	22.4	27.2	23.7	15.8	22.2
7	Bio 265	23.3	26.3	30.6	21.3	12.3	22.6	22.8	27.9	22.8	18.6	23.0
8	PRO 379	22.1	28.5	30.9	23.2	13.3	24.0	24.3	27.1	22.3	17.7	22.8
	CHECKS											
9	Seedtec 232	22.2	26.0	30.8	23.9	14.7	23.8	21.9	-	-	15.6	18.8
10	Buland	20.6	27.3	30.8	21.8	14.3	23.5	22.6	29.0	21.3	16.2	22.3
11	HM 11	21.5	26.1	30.8	18.4	12.7	22.0	23.5	27.7	22.2	17.3	22.7
	Loc. Mean	22.3	27.1	30.6	19.4	13.5	22.6	22.9	28.2	22.4	17.1	22.3
	C.D. (5%)	0.36	0.95	0.88	3.25	1.24	2.45	1.85	1.04	1.94	0.00	2.39
	C.V. (%)	0.94	2.06	1.70	9.82	5.43	7.49	4.73	2.06	4.82	0.00	7.41
	F (Prob)	0.00	0.00	0.07	0.00	0.00	0.50	0.01	0.00	0.01	0.00	0.04

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	21.4	18.0	15.3	16.2	23.8	28.3	20.5	17.5	16.7	17.1	21.2
2	DMRNH 2	25.3	16.7	14.0	15.8	24.2	28.1	20.6	16.9	13.0	14.9	21.1
3	JH 8823	21.0	16.7	17.0	16.9	26.4	24.4	20.4	18.6	15.9	17.2	21.1
4	JH 8825	23.0	17.6	15.0	15.6	24.3	25.8	20.2	17.8	17.3	17.5	21.2
5	35A019	22.3	11.8	14.2	16.2	22.4	25.5	18.7	17.6	15.6	16.6	20.4
6	35A035	19.2	9.2	14.6	15.1	20.7	22.1	16.8	18.0	16.1	17.0	19.6
7	Bio 265	24.9	19.7	15.3	16.0	26.3	26.5	21.4	18.5	17.8	18.1	21.8
8	PRO 379	23.9	13.1	15.1	16.9	26.4	28.1	20.6	17.5	18.9	18.2	21.7
	CHECKS											
9	Seedtec 232	-	18.3	14.5	-	-	-	16.4	-	17.9	17.9	20.6
10	Buland	23.6	19.5	14.7	15.7	21.5	26.5	20.2	18.3	16.5	17.4	21.2
11	HM 11	21.9	16.9	13.3	15.9	24.3	25.5	19.6	17.7	16.6	17.1	20.7
	Loc. Mean	22.6	16.1	14.8	16.0	24.0	26.0	19.6	17.8	16.5	17.2	21.0
	C.D. (5%)	3.31	0.00	1.10	0.47	1.20	2.05	2.53	0.52	1.95	2.20	1.20
	C.V. (%)	8.13	0.00	4.37	1.62	2.78	4.37	11.14	1.63	6.93	5.76	8.43
	F (Prob)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.03

Table No.3 (Cont...)

GRAIN SHELLING %

SL No	PEDIGREE	GOSS	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	83.8	76.2	72.5	74.3	87.1	78.8	83.5	78.7	82.0
2	DMRNH 2	83.6	77.0	74.3	75.7	84.2	76.8	80.6	79.1	80.1
3	JH 8823	80.2	76.6	73.7	75.1	87.8	79.0	87.3	80.4	83.6
4	JH 8825	83.9	76.7	73.7	75.2	71.9	80.3	83.4	77.8	78.3
5	35A019	83.3	75.2	74.0	74.6	85.8	80.3	89.4	79.9	83.8
6	35A035	83.0	75.4	74.0	74.7	70.2	78.5	85.3	79.5	78.4
7	Bio 265	80.4	76.8	73.7	75.2	82.9	78.0	88.3	80.6	82.5
8	PRO 379	82.5	76.0	73.3	74.6	81.7	76.0	86.1	76.8	80.1
	CHECKS									
9	Seedtec 232	80.7	75.8	74.0	74.9	82.9	-	-	79.0	81.0
10	Buland	79.5	75.9	74.7	75.3	82.6	75.0	83.3	77.6	79.6
11	HM 11	78.6	77.1	74.0	75.6	81.2	76.8	87.8	78.3	81.0
	Loc. Mean	81.8	76.2	73.8	75.0	81.7	77.9	85.5	78.9	81.0
	C.D. (5%)	0.74	1.64	1.74	1.39	5.84	1.48	4.02	0.00	4.71
	C.V. (%)	0.53	1.27	1.38	0.83	4.20	1.05	2.62	0.00	4.03
	F (Prob)	0.00	0.25	0.54	0.54	0.00	0.00	0.00	0.00	0.26

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	83.8	83.2	86.7	80.5	78.9	74.0	81.2	80.6	74.8	77.7	80.2
2	DMRNH 2	82.9	75.2	83.1	80.2	76.1	73.8	78.5	73.2	83.1	78.1	78.9
3	JH 8823	81.9	81.1	80.0	79.3	80.2	70.8	78.9	74.7	86.0	80.3	79.9
4	JH 8825	81.9	80.6	81.1	79.7	80.3	77.1	80.1	77.3	83.2	80.2	79.2
5	35A019	84.3	81.6	82.9	80.0	81.0	80.7	81.7	77.3	92.2	84.7	81.8
6	35A035	79.3	82.0	82.4	80.0	78.8	78.1	80.1	75.7	73.3	74.5	78.4
7	Bio 265	82.2	81.2	86.1	82.4	78.8	76.8	81.2	77.7	80.9	79.3	80.4
8	PRO 379	79.7	78.5	80.9	79.3	74.1	73.6	77.7	75.6	76.2	75.9	78.0
	CHECKS											
9	Seedtec 232	-	80.0	83.1	-	-	-	81.6	-	78.9	78.9	79.3
10	Buland	78.9	70.2	82.5	72.9	74.2	68.8	74.6	74.6	79.8	77.2	76.7
11	HM 11	80.2	75.6	83.9	79.0	76.2	70.1	77.5	69.9	80.5	75.2	77.9
	Loc. Mean	81.5	79.0	83.0	79.3	77.8	74.4	79.4	75.6	80.8	78.4	79.2
	C.D. (5%)	1.89-		2.95	1.30	0.94	2.16	2.54	1.27	7.95	10.14	2.01
	C.V. (%)	1.29-		2.09	0.91	0.67	1.61	2.76	0.94	5.77	5.81	3.51
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00

Table No.3 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	44.4	49.1	58.3	50.8	76.6	61.3	51.4	80.6	57.4	68.4	64.4
2	DMRNH 2	35.4	61.1	60.0	66.7	75.3	65.5	48.3	83.0	47.3	68.1	61.7
3	JH 8823	35.1	62.5	60.8	59.2	76.4	66.6	51.4	82.3	48.2	69.8	62.9
4	JH 8825	41.0	63.4	63.3	55.6	75.7	67.5	58.1	82.3	58.0	68.4	66.7
5	35A019	28.5	69.9	58.6	46.7	77.1	68.5	51.7	71.5	50.9	65.3	59.8
6	35A035	43.8	71.8	57.8	56.4	76.4	68.6	58.6	71.9	59.2	68.1	64.4
7	Bio 265	32.3	63.9	59.2	29.4	77.1	66.7	51.1	72.6	42.3	67.0	58.2
8	PRO 379	27.8	72.2	60.8	53.1	77.8	70.3	58.1	71.2	41.4	67.7	59.6
	CHECKS											
9	Seedtec 232	10.1	73.1	60.3	1.7	77.4	70.3	56.1	-	2.7	6.3	21.7
10	Buland	20.1	60.2	59.4	41.7	77.8	65.8	57.8	76.0	52.7	69.1	63.9
11	HM 11	16.0	61.1	60.0	29.7	77.8	66.3	52.2	71.2	45.2	65.6	58.6
	Loc. Mean	30.4	64.4	59.9	44.6	76.8	67.0	54.1	76.3	45.9	62.2	58.4
	C.D. (5%)	14.19	10.99	2.92	15.60	1.88	7.03	14.46	6.10	8.21	3.02	13.85
	C.V. (%)	27.41	10.02	2.86	20.53	1.44	6.16	15.70	4.45	10.49	2.85	16.43
	F (Prob)	0.00	0.01	0.05	0.00	0.14	0.40	0.82	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	48.3	61.9	62.2	58.6	69.8	50.7	58.6	71.2	70.5	70.8	62.3
2	DMRNH 2	46.7	51.7	64.2	59.8	68.8	45.8	56.2	59.4	76.4	67.9	61.1
3	JH 8823	42.8	50.0	63.6	58.0	69.4	50.0	55.6	69.1	78.1	73.6	62.2
4	JH 8825	36.4	50.6	65.3	57.1	67.4	62.2	56.5	61.8	76.7	69.3	63.1
5	35A019	45.6	42.8	46.7	57.7	69.1	48.6	51.7	64.9	66.0	65.5	59.1
6	35A035	46.4	46.1	63.9	57.7	69.8	56.3	56.7	63.9	73.3	68.6	62.7
7	Bio 265	35.3	51.7	43.9	58.6	69.1	50.3	51.5	64.9	64.2	64.6	58.1
8	PRO 379	46.1	45.8	50.3	59.2	69.4	47.9	53.1	64.6	47.6	56.1	58.7
	CHECKS											
9	Seedtec 232	-	11.9	2.8	-	-	-	7.4	-	9.7	9.7	33.4
10	Buland	41.9	40.3	60.0	58.0	69.1	52.8	53.7	62.2	77.4	69.8	61.0
11	HM 11	30.8	43.9	40.8	57.1	69.4	51.7	49.0	64.6	56.6	60.6	56.5
	Loc. Mean	42.0	45.2	51.2	58.2	69.1	51.6	50.0	64.7	63.3	61.5	58.0
	C.D. (5%)	9.92	3.45	7.91	3.32	1.79	7.68	6.77	4.87	8.07	16.70	6.23
	C.V. (%)	13.12	4.49	9.06	3.17	1.44	8.26	11.68	4.18	7.48	12.19	14.89
	F (Prob)	0.01	0.00	0.00	0.73	0.22	0.01	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) :- GOSSAIGAON 27.4%: DELHI 20.5%

Table No.3 (Continued)

DAYS TO 50% POLLEN SHED

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	121.3	140.3	143.0	128.7	103.0	128.8	126.0	113.3	104.0	76.7	105.0
2	DMRNH 2	123.7	142.0	144.7	126.7	103.7	129.3	125.0	116.7	104.0	77.0	105.7
3	JH 8823	126.0	142.0	147.3	127.0	98.3	128.7	122.7	114.7	100.0	74.7	103.0
4	JH 8825	125.0	143.0	148.7	128.7	101.0	130.3	124.7	114.7	105.3	76.7	105.3
5	35A019	123.3	146.7	145.3	130.0	102.7	131.2	124.3	120.7	105.3	78.3	107.2
6	35A035	123.7	142.0	150.7	129.3	103.3	131.3	125.0	115.7	105.7	77.0	105.8
7	Bio 265	122.7	143.3	149.7	130.3	106.7	132.5	126.0	116.7	106.3	78.0	106.8
8	PRO 379	125.3	140.0	142.3	125.7	107.3	128.8	126.0	112.7	102.0	75.3	104.0
	CHECKS											
9	Seedtec 232	125.3	145.7	146.3	131.7	105.0	132.2	126.0	-	104.7	75.3	102.0
10	Buland	126.7	146.0	145.0	133.3	105.7	132.5	125.7	118.3	109.7	78.0	107.9
11	HM 11	125.3	145.3	145.7	130.0	106.7	131.9	124.7	115.3	103.3	76.7	105.0
	Loc. Mean	124.4	143.3	146.2	129.2	103.9	130.7	125.1	115.9	104.6	76.7	105.2
	C.D. (5%)	4.63	4.65	2.10	4.46	4.87	3.21	4.31	2.52	1.31	1.55	3.61
	C.V. (%)	2.18	1.90	0.84	2.03	2.75	1.70	2.02	1.21	0.74	1.19	2.37
	F (Prob)	0.46	0.07	0.00	0.07	0.03	0.07	0.88	0.00	0.00	0.00	0.07

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	83.3	71.3	72.3	66.0	61.3	57.3	68.6	90.3	81.0	85.7	96.4
2	DMRNH 2	82.7	71.3	72.3	68.0	61.0	60.7	69.3	87.0	85.7	86.3	97.2
3	JH 8823	81.7	66.3	73.0	65.0	57.7	55.7	66.6	87.7	79.7	83.7	95.3
4	JH 8825	86.0	72.3	79.3	69.0	64.3	56.7	71.3	92.7	86.7	89.7	98.5
5	35A019	85.0	71.7	76.7	68.3	60.7	56.7	69.8	88.3	88.7	88.5	98.4
6	35A035	83.7	72.7	76.7	70.0	61.7	57.3	70.3	90.7	86.7	88.7	98.3
7	Bio 265	87.3	72.3	77.3	71.3	64.0	56.3	71.4	91.0	88.0	89.5	99.3
8	PRO 379	81.7	69.3	71.7	65.0	60.0	57.0	67.4	88.7	81.7	85.2	96.0
	CHECKS											
9	Seedtec 232	-	71.7	74.3	-	-	-	73.0	-	85.3	85.3	108.3
10	Buland	88.0	71.7	78.7	69.7	63.7	55.0	71.1	92.7	90.3	91.5	99.9
11	HM 11	82.7	72.0	73.3	69.7	62.3	55.7	69.3	88.7	89.3	89.0	98.0
	Loc. Mean	84.2	71.2	75.1	68.2	61.7	56.8	69.8	89.8	85.7	87.5	98.7
	C.D. (5%)	2.33	1.23	4.34	1.54	1.35	4.21	3.80	2.01	2.15	5.54	3.97
	C.V. (%)	1.53	1.01	3.39	1.26	1.22	4.12	4.69	1.24	1.47	2.84	5.94
	F (Prob)	0.00	0.00	0.01	0.00	0.00	0.29	0.06	0.00	0.00	0.16	0.00

Table No.3 (Continued)

DAYS TO 50% SILKING

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	123.7	144.0	145.7	128.0	109.0	131.7	127.7	117.7	109.0	79.3	108.4
2	DMRNH 2	126.3	145.3	147.3	128.7	109.7	132.8	126.7	121.7	109.0	79.0	109.1
3	JH 8823	129.3	145.0	150.3	131.0	104.7	132.8	124.3	120.7	104.0	79.0	107.0
4	JH 8825	129.3	146.0	151.7	131.0	107.0	133.9	126.3	119.3	109.3	79.7	108.7
5	35A019	125.7	149.3	148.3	132.0	108.7	134.6	126.0	125.3	109.3	80.7	110.3
6	35A035	126.7	145.7	153.0	130.3	109.3	134.6	126.3	120.3	109.7	79.0	108.8
7	Bio 265	125.3	146.3	152.3	132.0	112.7	135.8	127.7	121.0	110.3	80.3	109.8
8	PRO 379	127.7	143.0	145.3	127.7	113.3	132.3	126.7	117.0	106.0	78.0	106.9
	CHECKS											
9	Seedtec 232	128.3	148.0	148.7	134.0	111.0	135.4	127.7	-	109.7	76.7	104.7
10	Buland	129.7	150.3	149.3	135.0	111.7	136.6	126.7	123.3	114.0	81.0	111.3
11	HM 11	128.0	147.7	148.3	132.0	112.7	135.2	126.0	119.3	111.0	80.0	109.1
	Loc. Mean	127.3	146.4	149.1	131.1	110.0	134.1	126.5	120.6	109.2	79.3	108.6
	C.D. (5%)	4.70	4.70	1.79	3.17	4.77	3.08	4.29	2.94	3.61	2.38	4.12
	C.V. (%)	2.17	1.88	0.70	1.42	2.55	1.59	1.99	1.36	1.94	1.76	2.63
	F (Prob)	0.23	0.10	0.00	0.00	0.03	0.05	0.91	0.00	0.00	0.05	0.15

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	88.0	73.3	73.3	69.0	62.0	60.7	71.1	93.7	87.7	90.7	99.5
2	DMRNH 2	87.7	74.0	73.7	70.0	62.7	60.7	71.4	90.3	91.3	90.8	100.2
3	JH 8823	88.0	73.3	74.7	68.7	60.0	59.7	70.7	91.3	88.0	89.7	99.5
4	JH 8825	95.0	74.0	80.3	71.0	67.7	59.3	74.6	96.0	91.7	93.8	102.0
5	35A019	87.7	74.0	77.7	71.0	63.0	59.0	72.1	92.0	93.3	92.7	101.4
6	35A035	87.0	73.7	77.7	70.3	63.7	59.0	71.9	94.7	91.3	93.0	101.0
7	Bio 265	90.7	74.3	78.3	73.3	66.3	58.7	73.6	94.3	92.3	93.3	102.1
8	PRO 379	83.3	71.3	72.7	67.3	62.3	58.7	69.3	93.0	87.0	90.0	98.8
	CHECKS											
9	Seedtec 232	-	73.0	75.3	-	-	-	74.2	-	88.3	88.3	111.0
10	Buland	94.7	74.0	79.7	71.7	65.7	57.3	73.8	95.7	94.3	95.0	103.2
11	HM 11	87.0	74.0	74.3	72.3	64.3	58.7	71.8	92.0	93.7	92.8	101.3
	Loc. Mean	88.9	73.5	76.2	70.5	63.8	59.2	72.2	93.3	90.8	91.8	101.8
	C.D. (5%)	3.97	1.12	4.26	1.89	1.06	4.78	4.12	2.09	2.49	4.43	4.05
	C.V. (%)	2.48	0.89	3.28	1.49	0.92	4.49	4.92	1.24	1.61	2.16	5.87
	F (Prob)	0.00	0.00	0.01	0.00	0.00	0.91	0.27	0.00	0.00	0.12	0.00

Table No.3 (Continued)

DAYS TO 75% DRY HUSK

SL No	PEDIGREE	GOSS	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	177.0	183.7	144.0	163.8	163.7	156.7	146.7	117.0	146.0
2	DMRNH 2	176.7	183.3	143.3	163.3	166.3	158.3	147.3	118.0	147.5
3	JH 8823	177.3	184.0	144.7	164.3	164.7	159.3	144.7	118.7	146.8
4	JH 8825	177.3	183.7	148.0	165.8	163.3	158.7	148.7	119.3	147.5
5	35A019	178.0	185.7	149.0	167.3	163.3	157.7	148.7	118.3	147.0
6	35A035	178.3	186.7	143.3	165.0	164.7	159.0	147.0	117.3	147.0
7	Bio 265	175.0	185.7	146.3	166.0	165.0	159.0	149.7	118.0	147.9
8	PRO 379	179.7	183.0	148.0	165.5	164.3	158.0	148.3	120.0	147.7
	CHECKS									
9	Seedtec 232	176.7	186.0	147.0	166.5	165.0	-	148.7	119.7	144.4
10	Buland	178.3	181.7	155.7	168.7	164.3	157.7	148.7	119.3	147.5
11	HM 11	178.3	184.0	155.7	169.8	165.7	159.3	145.7	118.0	147.2
	Loc. Mean	177.5	184.3	147.7	166.0	164.6	158.4	147.6	118.5	147.0
	C.D. (5%)	3.76	2.69	5.85	8.20	4.55	2.71	0.88	1.60	3.59
	C.V. (%)	1.24	0.86	2.32	2.22	1.62	0.95	0.35	0.79	1.69
	F (Prob)	0.53	0.03	0.00	0.79	0.95	0.48	0.00	0.01	0.78

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	128.0	103.3	115.0	103.3	102.0	110.7	110.4	128.0	119.7	123.8	133.2
2	DMRNH 2	130.3	104.0	114.7	105.3	102.3	110.3	111.2	129.7	123.3	126.5	134.2
3	JH 8823	125.7	103.3	114.0	101.3	101.3	108.3	109.0	127.0	117.7	122.3	132.8
4	JH 8825	131.3	104.0	120.7	108.7	108.0	107.3	113.3	132.0	122.7	127.3	135.6
5	35A019	129.0	104.0	118.7	106.3	104.0	109.0	111.8	131.3	122.7	127.0	135.0
6	35A035	127.3	103.7	118.0	105.3	103.7	107.7	110.9	129.0	120.3	124.7	134.1
7	Bio 265	131.7	104.3	118.0	108.0	108.0	109.3	113.2	131.0	124.0	127.5	135.5
8	PRO 379	122.0	101.3	113.3	102.3	102.0	108.3	108.2	129.3	119.0	124.2	133.3
	CHECKS											
9	Seedtec 232	-	103.0	115.7	-	-	-	109.3	-	117.7	117.7	142.1
10	Buland	130.3	104.0	120.0	102.7	107.3	110.7	112.5	132.0	125.0	128.5	135.8
11	HM 11	129.7	104.0	114.0	105.0	105.3	109.0	111.2	128.0	124.0	126.0	135.0
	Loc. Mean	128.5	103.5	116.5	104.8	104.4	109.1	111.0	129.7	121.5	125.0	135.2
	C.D. (5%)	5.11	1.12	3.73	2.92	1.13	1.61	3.62	1.72	3.62	4.66	3.76
	C.V. (%)	2.21	0.63	1.88	1.55	0.60	0.82	2.81	0.74	1.75	1.67	3.85
	F (Prob)	0.02	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00

Table No.3 (Cont...)

PLANT HEIGHT(cm)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	110.0	123.3	184.3	230.0	175.0	178.2	184.7	162.5	175.5	184.8	176.9
2	DMRNH 2	144.0	150.0	165.7	210.0	164.3	172.5	177.2	190.0	200.6	190.9	189.7
3	JH 8823	120.3	131.7	168.7	215.0	167.3	170.7	173.8	180.0	172.6	164.5	172.7
4	JH 8825	144.3	160.0	188.0	200.0	191.3	184.8	181.7	192.5	204.5	194.8	193.4
5	35A019	141.7	157.7	215.0	225.0	190.3	197.0	188.2	187.5	206.5	228.3	202.6
6	35A035	141.0	180.0	140.3	225.0	192.3	184.4	184.3	200.0	204.3	189.9	194.6
7	Bio 265	125.0	151.7	186.0	225.0	189.0	187.9	191.8	165.0	195.3	175.1	181.8
8	PRO 379	124.0	138.3	166.3	210.0	192.0	176.7	170.0	170.0	174.1	178.5	173.1
	CHECKS											
9	Seedtec 232	109.3	133.3	130.3	240.0	188.3	173.0	172.0	-	-	175.9	174.0
10	Buland	137.7	140.0	186.7	225.0	170.0	180.4	164.0	175.0	182.6	199.8	180.4
11	HM 11	145.3	113.3	166.3	225.0	165.0	167.4	181.2	165.0	187.3	231.5	191.2
	Loc. Mean	131.2	143.6	172.5	220.9	180.5	179.4	179.0	178.8	190.3	192.2	184.6
	C.D. (5%)	21.73	36.89	10.87	-	13.92	24.57	28.07	17.15	11.35	5.75	17.71
	C.V. (%)	9.73	15.09	3.70	-	4.53	9.49	9.21	5.33	3.32	1.76	6.65
	F (Prob)	0.01	0.06	0.00	0.00	0.00	0.43	0.65	0.00	0.00	0.00	0.01

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	171.5	265.0	183.3	220.3	229.1	156.9	204.4	199.6	171.7	185.6	184.0
2	DMRNH 2	188.0	290.0	175.0	246.7	216.7	159.1	212.6	223.9	217.3	220.6	194.7
3	JH 8823	173.0	241.7	175.0	208.3	203.3	146.1	191.2	206.1	177.3	191.7	177.9
4	JH 8825	188.5	293.3	208.3	229.0	231.8	181.9	222.2	224.3	220.3	222.3	202.0
5	35A019	204.0	320.0	210.0	243.3	235.1	139.3	225.3	207.2	249.0	228.1	208.7
6	35A035	198.5	311.7	206.7	246.3	236.7	171.9	228.6	218.5	252.0	235.2	205.8
7	Bio 265	194.5	286.7	203.3	234.0	237.5	168.7	220.8	256.3	224.7	240.5	200.6
8	PRO 379	178.0	250.0	171.7	223.3	198.8	126.1	191.3	202.5	191.7	197.1	180.3
	CHECKS											
9	Seedtec 232	-	233.3	176.7	-	-	-	205.0	-	185.0	185.0	174.4
10	Buland	192.0	309.3	185.0	222.3	216.3	168.1	215.5	222.8	210.7	216.7	194.5
11	HM 11	193.0	303.3	185.0	216.3	225.3	143.0	211.0	231.2	219.0	225.1	193.9
	Loc. Mean	188.1	282.2	189.1	229.0	223.0	156.1	211.6	219.2	210.8	213.5	192.4
	C.D. (5%)	10.11	16.99	17.01	19.88	8.73	20.32	17.89	9.34	25.81	37.41	9.92
	C.V. (%)	2.99	3.54	5.28	4.82	2.18	7.24	7.29	2.37	7.19	7.87	7.61
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00

Table No.3 (Continued) EAR HEIGHT(cm)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	115-08-01	42.7	56.7	89.5	140.0	64.5	98.0	89.5	65.0	90.3	98.5	81.6
2	DMRNH 2	37.0	61.7	63.0	120.0	58.0	80.3	77.8	82.5	88.0	87.5	82.8
3	JH 8823	36.3	63.3	72.0	130.0	63.7	88.6	80.8	85.0	76.3	78.6	80.7
4	JH 8825	37.3	81.7	86.3	145.0	70.3	100.6	73.3	90.0	95.0	90.8	86.1
5	35A019	58.3	68.3	119.3	155.0	68.3	114.2	95.8	70.0	103.7	113.1	89.8
6	35A035	40.0	85.0	58.0	155.0	64.7	92.6	87.0	85.0	99.3	89.5	90.4
7	Bio 265	39.0	55.0	84.7	130.0	66.7	93.8	83.8	65.0	86.6	73.8	78.5
8	PRO 379	42.0	56.7	90.7	120.0	79.7	96.8	83.2	85.0	88.3	79.5	85.5
	CHECKS											
9	Seedtec 232	32.3	55.0	64.3	125.0	81.7	90.3	92.0	-	-	87.7	92.0
10	Buland	52.0	67.3	89.7	125.0	67.0	93.9	80.7	80.0	91.1	99.5	83.9
11	HM 11	49.7	40.0	76.7	155.0	59.3	97.0	91.2	75.0	96.9	78.7	87.7
	Loc. Mean	42.4	62.8	81.3	136.4	67.6	95.1	85.0	78.3	91.5	88.8	85.4
	C.D. (5%)	18.27	24.59	10.73-		9.74	22.28	19.60	15.93	8.37	30.97	13.83
	C.V. (%)	25.28	22.99	7.75-		8.45	13.76	13.54	11.32	5.08	20.47	9.51
	F (Prob)	0.18	0.05	0.00-		0.00	0.33	0.45	0.02	0.00	0.35	0.59

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	115-08-01	82.0	123.3	125.0	109.7	87.8	105.6	127.4	77.7	102.5	97.8
2	DMRNH 2	85.0	120.0	105.0	118.7	97.3	105.2	142.4	93.0	117.7	96.2
3	JH 8823	75.0	108.3	110.0	97.7	78.6	93.9	119.1	73.7	96.4	90.0
4	JH 8825	83.0	131.7	111.7	126.0	91.7	108.8	144.3	94.0	119.2	103.3
5	35A019	105.0	146.7	126.7	127.7	80.7	117.3	140.8	109.7	125.3	111.5
6	35A035	98.0	140.0	130.0	122.3	89.7	116.0	142.7	113.7	128.2	106.6
7	Bio 265	91.0	113.3	125.0	112.3	87.7	105.9	149.5	98.3	123.9	99.5
8	PRO 379	86.0	95.0	106.7	118.0	83.6	97.9	113.4	87.3	100.4	95.1
	CHECKS										
9	Seedtec 232	-	111.7	101.7	-	-	106.7	-	90.7	90.7	95.3
10	Buland	99.0	141.7	120.0	123.7	90.3	114.9	144.8	120.3	132.6	105.6
11	HM 11	91.0	125.0	105.0	111.0	74.6	101.3	146.3	92.7	119.5	100.0
	Loc. Mean	89.5	123.3	115.2	116.7	86.2	106.7	137.1	95.5	114.2	100.1
	C.D. (5%)	6.76	19.66	18.13	16.99	7.41	11.96	9.00	21.48	26.30	8.27
	C.V. (%)	4.20	9.36	9.24	8.09	4.78	8.77	3.65	13.20	10.33	10.64
	F (Prob)	0.00	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.05	0.00

Locations Rejected due to High C.V.(i.e.> 20%): GOSSAIGAON 25.3%: LUDHIANA 23.0%:BHUBANESHWAR 20.5%

TABLE No.4:
PERFORMANCE OF MEDIUM AND EARLY MATURING EXPERIMENTAL HYBRIDS AT KARNAL, KANPUR, DHOLI, RANCHI, BHUBANESHWAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI, BANSWARA, GODHRA IN TRIAL No: TR5 & TR6(AET1-ME) DURING RABI 2010-11.

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE				ZN 2										ZN 3	
		KARN	R	KANP	R	MEAN	R	DHOL	R	VARA	R	RANC	R	BHUB	R	MEAN	R
1	Bisco 506	9087	4	9963	2	9525	2	4584	5	11577	1	9748	1	6764	1	7032	1
2	HKH 306	6280	10	9255	7	7768	10	3393	7	7872	10	6506	4	5771	8	5223	7
3	HKH 307	10061	1	9571	3	9816	1	4289	6	9948	5	6919	2	5936	5	5715	4
4	HKH 405	7814	9	8527	10	8170	9	3201	8	7909	9	5608	7	5993	4	4934	8
	CHECKS																
5	Vivek Hybrid 9	8394	7	8937	8	8665	8	4836	4	9541	7	-		5809	7	5322	6
6	Bio 9681	8932	5	9409	5	9171	5	5215	2	10991	2	-		6457	3	5836	3
7	BIO 9637	8435	6	10102	1	9268	4	4842	3	10820	3	6631	3	6527	2	6000	2
8	HM 4	7884	8	9450	4	8667	7	5470	1	9871	6	-		5885	6	5677	5
9	HM 9	9245	3	9321	6	9283	3	2918	10	9309	8	6187	6	4573	10	4559	10
10	HM 10	9568	2	8661	9	9114	6	2987	9	10033	4	6434	5	5240	9	4887	9
	Location Mean	8570		9320		8945		4173		9787		6862		5896		5644	
	Mean Stand	63		73		68		40		60		55		65		53	
	C.D. (5%)	2926		851		1888		1156		3775		730		157		681	
	C.V. (%)	19.82		5.3		-		16.08		22.39		5.92		1.55		-	
	F (Prob)	0.001		0.011				0.015		0		0		0			
	Plot Size	7.2		9.6		-		12		9.6		11.2		9.6		-	
	AGRONOMY DATA																
	Sowing Date	13-11		24-12		-		3-12		2-12		21-12		18-11		-	
	Harvest Date	23-05		25-05		-		-		11-05		3-06		13-04		-	
	Irrigation Nos	12		5		-		-		5		10		12		-	
	Ferilizer Appli	180		120		-		150		150		120		120		-	
	Ferilizer Appli	60		60		-		70		75		60		60		-	
	Ferilizer Appli	60		60		-		50		60		40		60		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (CONT..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
		ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	VAGA	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	Bisco 506	2347	6	13636	1	8012	1	10631	3	13614	1	5358	1	9404	1	8416	1	9164	4	8790	2	8667	1
2	HKH 306	2848	4	7640	7	7722	2	8017	7	9122	6	5026	2	7472	5	6937	4	7872	5	7404	5	6900	7
3	HKH 307	2485	5	8343	4	4806	6	9219	4	10893	4	4956	3	7468	6	8034	2	10574	1	9304	1	7751	2
4	HKH 405	1041	9	6206	8	7279	3	11699	1	10575	5	4705	5	8565	2	5674	9	6764	6	6219	6	7076	6
	CHECKS																						
5	Vivek Hybrid 9	-		-		-		-		-		-		-		-		3815	9	3815	10	6358	9
6	Bio 9681	3626	2	8491	3	2603	8	-		-		-		2603	8	5855	7	6165	7	6010	7	6377	8
7	BIO 9637	3265	3	8973	2	4520	7	10733	2	12523	2	4747	4	8131	3	6071	6	4309	8	5190	8	7222	3
8	HM 4	4867	1	-		-		-		-		-		-		5737	8	3466	10	4602	9	6315	10
9	HM 9	1996	8	7715	6	6785	5	8243	6	11551	3	3509	6	7522	4	6718	5	9786	3	8252	4	7167	4
10	HM 10	2083	7	7830	5	7017	4	8667	5	9071	7	3183	7	6985	7	7052	3	10188	2	8620	3	7097	5
	Location Mean	2729		8604		6093		9601		11050		4498		7810		6721		7210		6966		7272	
	Mean Stand	45		47		54		63		67		41		56		59		41		50		57	
	C.D. (5%)	3073		3248		1650		519		1612		834		1154		1041		2462		1752		1267	
	C.V. (%)	64.71		21.4		15.35		3.01		8.12		10.32		-		8.9		19.82		-		-	
	F (Prob)	0.284		0		0		0		0		0				0		0					
	Plot Size	12		12		12		11.2		9.6		9.6		-		9.6		9.6		-		-	
	AGRONOMY DATA																						
	Sowing Date	3-12		5-12		1-01		6-12		4-01		2-02		-		11-12		15-11		-		-	
	Harvest Date	29-04		19-04		19-05		5-05		6-05		22-05		-		10-05		18-04		-		-	
	Irrigation Nos	6		12		-		12		10		9		-		6		10		-		-	
	Ferilizer Appli	150		240		120		150		150		200		-		150		150		-		-	
	Ferilizer Appli	75		80		60		75		75		75		-		60		60		-		-	
	Ferilizer Appli	37.5		60		40		40		75		75		-		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Vivek Hybrid 9

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	8.2	11.5	9.9	-	21.3	-	16.4	32.1
2	HKH 306	-	3.6	-	-	-	-	-	-
3	HKH 307	19.9	7.1	13.3	-	4.3	-	2.2	7.4
4	HKH 405	-	-	-	-	-	-	3.2	-
	CHECKS								
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-
6	Bio 9681	6.4	5.3	5.8	7.8	15.2	-	11.2	9.7
7	BIO 9637	0.5	13	7	0.1	13.4	-	12.4	12.7
8	HM 4	-	5.7	0	13.1	3.5	-	1.3	6.7
9	HM 9	10.1	4.3	7.1	-	-	-	-	-
10	HM 10	14	-	5.2	-	5.2	-	-	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	-	-	-	-	-	-	-	-	140.2	130.4	36.3
2	HKH 306	-	-	-	-	-	-	-	-	106.3	94.1	8.5
3	HKH 307	-	-	-	-	-	-	-	-	177.2	143.9	21.9
4	HKH 405	-	-	-	-	-	-	-	-	77.3	63	11.3
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	-	-	-
6	Bio 9681	-	-	-	-	-	-	-	-	61.6	57.5	0.3
7	BIO 9637	-	-	-	-	-	-	-	-	12.9	36	13.6
8	HM 4	-	-	-	-	-	-	-	-	-	20.6	-
9	HM 9	-	-	-	-	-	-	-	-	156.5	116.3	12.7
10	HM 10	-	-	-	-	-	-	-	-	167	125.9	11.6

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Bio 9681

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	1.7	5.9	3.9	-	5.3	-	4.7	20.5
2	HKH 306	-	-	-	-	-	-	-	-
3	HKH 307	12.6	1.7	7	-	-	-	-	-
4	HKH 405	-	-	-	-	-	-	-	-
	CHECKS								
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-
6	Bio 9681	-	-	-	-	-	-	-	-
7	BIO 9637	-	7.4	1.1	-	-	-	1.1	2.8
8	HM 4	-	0.4	-	4.9	-	-	-	-
9	HM 9	3.5	-	1.2	-	-	-	-	-
10	HM 10	7.1	-	-	-	-	-	-	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	-	60.6	207.8	-	-	-	261.3	43.7	48.7	46.3	35.9
2	HKH 306	-	-	196.6	-	-	-	187	18.5	27.7	23.2	8.2
3	HKH 307	-	-	84.6	-	-	-	186.9	37.2	71.5	54.8	21.5
4	HKH 405	-	-	179.6	-	-	-	229	-	9.7	3.5	11
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	-	-	-
6	Bio 9681	-	-	-	-	-	-	-	-	-	-	-
7	BIO 9637	-	5.7	73.6	-	-	-	212.3	3.7	-	-	13.3
8	HM 4	34.2	-	-	-	-	-	-	-	-	-	-
9	HM 9	-	-	160.6	-	-	-	189	14.7	58.7	37.3	12.4
10	HM 10	-	-	169.6	-	-	-	168.3	20.4	65.3	43.4	11.3

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE BIO 9637

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	7.7	-	2.8	-	7	47	3.6	17.2
2	HKH 306	-	-	-	-	-	-	-	-
3	HKH 307	19.3	-	5.9	-	-	4.3	-	-
4	HKH 405	-	-	-	-	-	-	-	-
	CHECKS								
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-
6	Bio 9681	5.9	-	-	7.7	1.6	-	-	-
7	BIO 9637	-	-	-	-	-	-	-	-
8	HM 4	-	-	-	13	-	-	-	-
9	HM 9	9.6	-	0.2	-	-	-	-	-
10	HM 10	13.4	-	-	-	-	-	-	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	-	52	77.3	-	8.7	12.9	15.7	38.6	112.7	69.4	20
2	HKH 306	-	-	70.8	-	-	5.9	-	14.3	82.7	42.7	-
3	HKH 307	-	-	6.3	-	-	4.4	-	32.3	145.4	79.3	7.3
4	HKH 405	-	-	61	9	-	-	5.3	-	57	19.8	-
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	-	-	-
6	Bio 9681	11.1	-	-	-	-	-	-	-	43.1	15.8	-
7	BIO 9637	-	-	-	-	-	-	-	-	-	-	-
8	HM 4	49.1	-	-	-	-	-	-	-	-	-	-
9	HM 9	-	-	50.1	-	-	-	-	10.7	127.1	59	-
10	HM 10	-	-	55.2	-	-	-	-	16.2	136.4	66.1	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 4

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	15.3	5.4	9.9	-	17.3	-	14.9	23.9
2	HKH 306	-	-	-	-	-	-	-	-
3	HKH 307	27.6	1.3	13.3	-	0.8	-	0.9	0.7
4	HKH 405	-	-	-	-	-	-	1.8	-
	CHECKS								
5	Vivek Hybrid 9	6.5	-	-	-	-	-	-	-
6	Bio 9681	13.3	-	5.8	-	11.3	-	9.7	2.8
7	BIO 9637	7	6.9	6.9	-	9.6	-	10.9	5.7
8	HM 4	-	-	-	-	-	-	-	-
9	HM 9	17.3	-	7.1	-	-	-	-	-
10	HM 10	21.4	-	5.2	-	1.6	-	-	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	-	-	-	-	-	-	-	46.7	164.4	91	37.2
2	HKH 306	-	-	-	-	-	-	-	20.9	127.1	60.9	9.3
3	HKH 307	-	-	-	-	-	-	-	40	205.1	102.2	22.7
4	HKH 405	-	-	-	-	-	-	-	-	95.2	35.1	12.1
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	10.1	-	0.7
6	Bio 9681	-	-	-	-	-	-	-	2	77.9	30.6	1
7	BIO 9637	-	-	-	-	-	-	-	5.8	24.3	12.8	14.4
8	HM 4	-	-	-	-	-	-	-	-	-	-	-
9	HM 9	-	-	-	-	-	-	-	17.1	182.4	79.3	13.5
10	HM 10	-	-	-	-	-	-	-	22.9	194	87.3	12.4

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 9

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	-	6.9	2.6	57.1	24.4	57.5	47.9	54.2
2	HKH 306	-	-	-	16.3	-	5.2	26.2	14.6
3	HKH 307	8.8	2.7	5.7	47	6.9	11.8	29.8	25.3
4	HKH 405	-	-	-	9.7	-	-	31.1	8.2
	CHECKS								
5	Vivek Hybrid 9	-	-	-	65.7	2.5	-	27	16.7
6	Bio 9681	-	1	-	78.7	18.1	-	41.2	28
7	BIO 9637	-	8.4	-	66	16.2	7.2	42.7	31.6
8	HM 4	-	1.4	-	87.5	6	-	28.7	24.5
9	HM 9	-	-	-	-	-	-	-	-
10	HM 10	3.5	-	-	2.4	7.8	4	14.6	7.2

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	17.6	76.7	18.1	29	17.9	52.7	25	25.3	-	6.5	20.9
2	HKH 306	42.7	-	13.8	-	-	43.2	-	3.3	-	-	-
3	HKH 307	24.5	8.1	-	11.8	-	41.2	-	19.6	8.1	12.8	8.1
4	HKH 405	-	-	7.3	41.9	-	34.1	13.9	-	-	-	-
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	-	-	-
6	Bio 9681	81.7	10.1	-	-	-	-	-	-	-	-	-
7	BIO 9637	63.6	16.3	-	30.2	8.4	35.3	8.1	-	-	-	0.8
8	HM 4	143.8	-	-	-	-	-	-	-	-	-	-
9	HM 9	-	-	-	-	-	-	-	-	-	-	-
10	HM 10	4.4	1.5	3.4	5.1	-	-	-	5	4.1	4.5	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

TABLE No.4 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 10

Sl No	PEDIGREE	KARN	KANP	ZN 2 MEAN	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	Bisco 506	-	15	4.5	53.5	15.4	51.5	29.1	43.9
2	HKH 306	-	6.9	-	13.6	-	1.1	10.1	6.9
3	HKH 307	5.2	10.5	7.7	43.6	-	7.5	13.3	16.9
4	HKH 405	-	-	-	7.2	-	-	14.4	1
	CHECKS								
5	Vivek Hybrid 9	-	3.2	-	61.9	-	-	10.9	8.9
6	Bio 9681	-	8.6	0.6	74.6	9.5	-	23.2	19.4
7	BIO 9637	-	16.6	1.7	62.1	7.8	3.1	24.6	22.8
8	HM 4	-	9.1	-	83.1	-	-	12.3	16.2
9	HM 9	-	7.6	1.8	-	-	-	-	-
10	HM 10	-	-	-	-	-	-	-	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	Bisco 506	12.7	74.2	14.2	22.7	50.1	68.4	34.6	19.3	-	2	22.1
2	HKH 306	36.7	-	10	-	0.6	57.9	7	-	-	-	-
3	HKH 307	19.3	6.6	-	6.4	20.1	55.7	6.9	13.9	3.8	7.9	9.2
4	HKH 405	-	-	3.7	35	16.6	47.8	22.6	-	-	-	-
	CHECKS											
5	Vivek Hybrid 9	-	-	-	-	-	-	-	-	-	-	-
6	Bio 9681	74.1	8.4	-	-	-	-	-	-	-	-	-
7	BIO 9637	56.7	14.6	-	23.8	38.1	49.1	16.4	-	-	-	1.8
8	HM 4	133.6	-	-	-	-	-	-	-	-	-	-
9	HM 9	-	-	-	-	27.3	10.3	7.7	-	-	-	1
10	HM 10	-	-	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : VARA 22.4 %: ARBH 64.7 %: KARI 21.4 %

Table No.4 (Continued)

MOISTURE % AT HARVEST

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	30.7	15.0	22.9	20.6	28.9	21.7	17.1	22.1
2	HKH 306	29.3	14.7	22.0	19.8	27.5	23.9	16.0	21.8
3	HKH 307	28.6	13.7	21.1	17.7	25.3	22.8	17.1	20.7
4	HKH 405	30.6	13.7	22.1	19.2	25.9	23.8	17.8	21.7
	CHECKS								
5	Vivek Hybrid	27.4	14.7	21.0	18.3	25.9	-	17.9	20.7
6	Bio 9681	30.2	13.7	21.9	18.2	27.7	-	15.3	20.4
7	BIO 9637	30.0	14.3	22.2	19.3	27.7	22.2	17.4	21.6
8	HM 4	29.2	13.3	21.2	18.7	26.2	-	15.5	20.1
9	HM 9	29.2	12.3	20.8	19.4	27.2	22.2	17.8	21.6
10	HM 10	30.6	13.3	21.9	19.4	25.7	21.9	17.8	21.2
	Loc. Mean	29.6	13.9	21.7	19.0	26.8	22.6	17.0	21.2
	C.D. (5%)	0.86	1.38	2.16	1.46	0.81	2.58-		1.44
	C.V. (%)	1.70	5.82	4.40	4.49	1.76	5.37-		4.70
	F (Prob)	0.00	0.02	0.55	0.02	0.00	0.23	0.00	0.11

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	19.0	19.4	14.8	16.6	25.9	26.8	20.4	16.9	15.6	16.2	20.6
2	HKH 306	20.5	17.9	15.0	16.9	19.1	24.4	18.9	17.7	15.9	16.8	19.9
3	HKH 307	16.2	16.3	14.7	15.4	20.4	20.0	17.2	16.8	13.2	15.0	18.4
4	HKH 405	17.5	16.7	13.6	14.8	21.9	22.4	17.8	16.7	15.5	16.1	19.3
	CHECKS											
5	Vivek Hybrid	14.9	16.8	13.6	-	20.5	-	16.5	-	11.8	11.8	18.2
6	Bio 9681	16.0	13.8	12.7	-	-	-	14.2	16.8	10.7	13.7	17.5
7	BIO 9637	14.1	13.9	13.6	16.3	18.8	19.1	15.9	15.5	11.6	13.5	18.1
8	HM 4	19.2	12.8	13.8	-	19.4	-	16.3	16.8	15.8	16.3	18.2
9	HM 9	15.9	17.9	15.3	15.5	18.6	21.5	17.4	17.5	15.5	16.5	19.0
10	HM 10	21.5	12.2	15.2	15.0	21.4	20.2	17.6	16.4	16.8	16.6	19.1
	Loc. Mean	17.5	15.8	14.2	15.8	20.6	22.0	17.2	16.8	14.2	15.2	18.8
	C.D. (5%)	2.22-		1.81	0.39	1.20	2.07	2.32	0.66	2.30	3.16	1.18
	C.V. (%)	7.42-		7.43	1.16	3.19	4.42	11.61	2.14	9.43	9.16	8.38
	F(Prob)	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00

Table No.4 (Continued)

GRAIN SHELLING %

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	76.4	74.5	75.5	80.8	79.8	90.3	78.4	82.3
2	HKH 306	76.4	73.3	74.8	79.8	77.5	85.3	78.0	80.2
3	HKH 307	76.9	74.7	75.8	77.9	77.0	87.9	77.4	80.0
4	HKH 405	76.3	73.0	74.7	80.4	76.0	84.4	79.8	80.1
	CHECKS								
5	Vivek Hybrid	76.8	74.0	75.4	81.6	77.3	-	78.0	78.9
6	Bio 9681	76.5	74.7	75.6	81.4	77.5	-	77.2	78.7
7	BIO 9637	76.3	75.3	75.8	79.6	75.8	84.5	79.7	79.9
8	HM 4	77.1	74.3	75.7	84.0	76.0	-	78.3	79.4
9	HM 9	76.0	74.3	75.2	75.2	76.3	84.5	79.8	78.9
10	HM 10	77.7	75.0	76.3	83.4	75.3	86.6	76.0	80.3
	Loc. Mean	76.6	74.3	75.5	80.4	76.8	86.2	78.3	79.9
	C.D. (5%)	1.28	1.50	1.15	3.33	1.15	5.57-		3.83
	C.V. (%)	0.98	1.18	0.67	2.42	0.87	3.04-		3.30
	F (Prob)	0.33	0.10	0.18	0.00	0.00	0.13	0.00	0.78

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	49.8	82.1	83.2	79.6	79.8	71.8	74.4	80.1	85.6	82.9	78.0
2	HKH 306	49.9	73.3	85.7	78.8	78.6	73.2	73.2	75.5	84.6	80.1	76.4
3	HKH 307	49.7	77.0	70.0	79.6	77.0	76.8	71.7	74.4	82.0	78.2	75.6
4	HKH 405	49.1	75.8	80.8	83.1	76.8	72.6	73.0	78.7	84.6	81.6	76.5
	CHECKS											
5	Vivek Hybrid	48.7	80.3	86.4	-	80.9	-	74.1	-	82.3	82.3	76.6
6	Bio 9681	48.4	77.7	84.9	-	-	-	70.3	73.0	76.7	74.9	74.8
7	BIO 9637	50.9	79.4	82.7	80.7	78.5	76.5	74.8	72.5	74.1	73.3	76.2
8	HM 4	57.6	72.3	78.1	-	75.4	-	70.8	74.0	80.4	77.2	75.2
9	HM 9	49.8	75.6	82.7	78.7	75.9	75.3	73.0	77.9	80.5	79.2	75.9
10	HM 10	49.1	75.6	79.4	80.2	75.8	72.1	72.0	76.1	78.8	77.4	75.8
	Loc. Mean	50.3	76.9	81.4	80.1	77.6	74.0	72.7	75.8	81.0	78.7	76.1
	C.D. (5%)	7.89	0.00	9.87	1.85	3.38	5.98	3.98	2.42	3.00	4.61	2.11
	C.V. (%)	9.15	0.00	7.07	1.09	2.39	3.80	4.71	1.75	2.16	2.59	3.70
	F (Prob)	0.47	0.00	0.09	0.00	0.02	0.21	0.36	0.00	0.00	0.01	0.21

Table No.4 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	102.3	75.5	88.9	28.9	75.7	50.0	66.7	64.1
2	HKH 306	98.6	76.0	87.3	41.9	80.9	52.1	69.1	67.4
3	HKH 307	97.7	75.7	86.7	45.8	76.7	46.1	69.8	64.2
4	HKH 405	97.2	77.1	87.2	43.6	78.5	56.5	68.4	67.8
	CHECKS								
5	Vivek Hybrid	51.9	75.7	63.8	16.9	27.8	5.4	64.6	32.6
6	Bio 9681	97.7	76.4	87.0	16.1	37.2	14.3	66.7	39.4
7	BIO 9637	95.8	77.4	86.6	42.5	76.4	31.3	67.4	58.3
8	HM 4	36.6	76.4	56.5	9.7	19.1	6.8	65.6	30.5
9	HM 9	96.8	77.4	87.1	39.2	76.4	54.2	68.4	66.3
10	HM 10	95.8	76.7	86.3	52.2	79.2	51.8	69.4	66.8
	Loc. Mean	87.0	76.4	81.7	33.7	62.8	36.8	67.6	55.7
	C.D. (5%)	20.04	1.37	36.47	15.54	5.79	8.86	2.67	21.82
	C.V. (%)	13.43	1.04	19.72	26.89	5.37	14.01	2.31	22.82
	F (Prob)	0.00	0.05	0.49	0.00	0.00	0.00	0.01	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	44.2	50.0	49.4	50.0	70.5	49.3	52.2	64.9	52.8	58.9	61.6
2	HKH 306	39.7	33.9	52.2	56.0	69.4	45.8	49.5	61.1	53.5	57.3	60.6
3	HKH 307	50.0	37.8	43.3	56.5	69.8	45.5	50.5	63.2	57.6	60.4	60.8
4	HKH 405	47.8	46.1	63.3	57.7	69.1	50.3	55.7	60.8	61.1	60.9	64.2
	CHECKS											
5	Vivek Hybrid	5.8	4.7	4.2	-	4.2	-	4.7	-	15.6	15.6	26.0
6	Bio 9681	20.0	21.4	13.3	-	-	-	18.2	61.5	31.9	46.7	44.0
7	BIO 9637	31.7	38.1	26.7	59.5	69.4	30.6	42.7	60.8	19.1	39.9	52.6
8	HM 4	9.2	7.5	6.1	-	9.7	-	8.1	61.8	10.4	36.1	28.1
9	HM 9	46.4	36.4	52.8	57.1	69.4	41.3	50.6	58.3	59.0	58.7	61.1
10	HM 10	45.6	49.7	58.9	57.7	70.5	39.2	53.6	64.9	61.5	63.2	63.2
	Loc. Mean	34.0	32.6	37.0	56.4	55.8	43.2	38.6	61.9	42.3	49.8	52.2
	C.D. (5%)	6.65	4.54	8.72	12.41	1.78	15.27	8.45	2.95	6.54	30.34	8.19
	C.V. (%)	11.39	8.14	13.74	10.35	1.75	16.64	18.82	2.61	9.03	26.94	20.18
	F (Prob)	0.00	0.00	0.00	0.58	0.00	0.07	0.00	0.00	0.00	0.09	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : DHOLI 26.9%: Mean!ZN 3 22.8%:
Mean!ZN 5 26.9%: Mean#OV'L 20.2%

Table No.4 (Continued)

DAYS TO 50% POLLEN SHED

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	146.7	106.5	126.6	124.7	114.0	102.7	70.0	102.8
2	HKH 306	149.0	98.7	123.8	122.7	112.3	101.7	69.0	101.4
3	HKH 307	145.7	101.3	123.5	122.0	110.7	100.7	68.0	100.3
4	HKH 405	140.7	102.3	121.5	121.3	111.0	101.7	68.0	100.5
	CHECKS								
5	Vivek Hybrid	132.3	102.7	117.5	119.0	108.3	99.0	67.7	98.5
6	Bio 9681	144.7	103.7	124.2	123.7	114.0	104.0	70.0	102.9
7	BIO 9637	147.0	97.7	122.3	121.7	113.7	101.7	70.3	101.8
8	HM 4	148.0	95.7	121.8	122.0	112.3	100.7	70.7	101.4
9	HM 9	145.7	97.7	121.7	123.3	112.7	101.7	68.7	101.6
10	HM 10	146.7	96.3	121.5	121.7	111.3	101.7	71.0	101.4
	Loc. Mean	144.6	100.3	122.4	122.2	112.0	101.5	69.3	101.3
	C.D. (5%)	4.45	4.72	11.36	3.68	1.69	1.22	1.01	1.22
	C.V. (%)	1.79	2.74	4.10	1.76	0.88	0.70	0.85	0.83
	F (Prob)	0.00	0.00	0.88	0.21	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	81.0	71.3	71.0	67.0	58.7	56.3	67.6	86.7	86.7	86.7	88.8
2	HKH 306	80.0	70.7	68.7	64.7	56.7	56.0	66.1	82.3	82.7	82.5	86.8
3	HKH 307	79.3	63.7	69.3	66.7	58.3	56.7	65.7	88.0	81.7	84.8	86.6
4	HKH 405	80.0	63.7	69.0	66.0	57.0	57.7	65.6	83.3	83.7	83.5	86.1
	CHECKS											
5	Vivek Hybrid	73.0	62.3	67.0	-	55.7	-	64.5	-	75.7	75.7	87.5
6	Bio 9681	80.0	71.7	69.3	-	-	-	73.7	81.3	84.3	82.8	95.2
7	BIO 9637	80.3	68.0	70.3	65.7	58.3	56.0	66.4	82.0	83.3	82.7	86.9
8	HM 4	80.3	71.3	71.7	-	61.0	-	71.1	82.3	83.7	83.0	91.6
9	HM 9	79.7	63.7	68.0	65.3	57.0	56.7	65.1	87.0	82.7	84.8	86.4
10	HM 10	82.0	70.7	69.0	67.3	58.3	57.0	67.4	87.7	85.3	86.5	87.6
	Loc. Mean	79.6	67.7	69.3	66.1	57.9	56.6	67.3	84.5	83.0	83.3	88.3
	C.D. (5%)	1.59	1.53	2.15	2.03	1.05	2.27	3.81	1.28	3.47	4.55	4.86
	C.V. (%)	1.16	1.32	1.81	1.45	1.00	1.89	4.87	0.83	2.44	2.41	7.35
	F (Prob)	0.00	0.00	0.01	0.05	0.00	0.52	0.00	0.00	0.00	0.02	0.01

Table No.4 (Continued)

DAYS TO 50% SILKING

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	149.7	112.5	131.1	126.7	118.3	107.0	73.3	106.3
2	HKH 306	151.7	104.7	128.2	124.3	116.7	105.7	71.3	104.5
3	HKH 307	147.7	107.3	127.5	123.7	114.0	104.7	71.3	103.4
4	HKH 405	143.3	108.3	125.8	123.7	114.0	105.7	70.7	103.5
	CHECKS								
5	Vivek Hybrid	135.3	108.7	122.0	122.0	110.7	103.0	68.7	101.1
6	Bio 9681	147.7	109.7	128.7	125.3	117.3	109.0	71.7	105.8
7	BIO 9637	149.3	103.7	126.5	123.7	117.0	106.0	72.3	104.8
8	HM 4	150.7	101.7	126.2	123.3	117.0	104.7	72.3	104.3
9	HM 9	147.7	103.7	125.7	125.0	115.0	105.7	71.7	104.3
10	HM 10	148.7	102.3	125.5	123.7	113.3	105.7	75.3	104.5
	Loc. Mean	147.2	106.3	126.7	124.1	115.3	105.7	71.9	104.3
	C.D. (5%)	4.39	4.72	10.99	3.54	1.81	1.41	2.31	1.75
	C.V. (%)	1.74	2.59	3.83	1.66	0.92	0.78	1.87	1.16
	F (Prob)	0.00	0.00	0.85	0.38	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	84.3	72.0	72.0	70.0	61.7	60.3	70.1	90.7	91.7	91.2	92.2
2	HKH 306	82.0	71.7	69.7	66.7	59.3	59.0	68.1	85.7	87.0	86.3	89.7
3	HKH 307	81.7	68.0	70.3	68.7	61.3	60.3	68.4	90.7	85.0	87.8	89.6
4	HKH 405	83.0	66.7	70.0	68.0	58.3	59.7	67.6	86.3	89.0	87.7	89.0
	CHECKS											
5	Vivek Hybrid	73.0	65.0	68.0	-	57.7	-	65.9	-	79.3	79.3	90.1
6	Bio 9681	83.0	71.7	70.3	-	-	-	75.0	84.7	89.7	87.2	98.2
7	BIO 9637	83.7	71.3	71.3	68.0	61.7	58.3	69.1	85.3	87.7	86.5	90.0
8	HM 4	80.7	71.3	72.7	-	63.0	-	71.9	86.0	88.0	87.0	94.3
9	HM 9	81.0	67.3	69.0	67.7	58.7	62.0	67.6	90.7	87.7	89.2	89.5
10	HM 10	84.7	71.7	70.0	69.0	59.7	60.7	69.3	91.0	89.7	90.3	90.4
	Loc. Mean	81.7	69.7	70.3	68.3	60.1	60.0	69.3	87.9	87.5	87.3	91.3
	C.D. (5%)	2.46	1.50	2.15	1.74	1.05	3.41	3.52	1.58	3.86	4.93	4.89
	C.V. (%)	1.76	1.26	1.78	1.20	0.95	2.67	4.37	0.99	2.57	2.50	7.16
	F (Prob)	0.00	0.00	0.01	0.01	0.00	0.22	0.00	0.00	0.00	0.02	0.01

Table No.4 (Continued)

DAYS TO 75% DRY HUSK

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	184.3	149.5	166.9	168.3	156.7	152.7	110.7	147.1
2	HKH 306	183.3	142.0	162.7	163.7	154.0	149.3	110.7	144.4
3	HKH 307	184.3	144.0	164.2	159.0	151.0	148.7	111.7	142.6
4	HKH 405	187.0	145.3	166.2	167.7	158.7	152.3	112.7	147.8
	CHECKS								
5	Vivek Hybrid	183.0	147.7	165.3	156.3	157.0	147.7	107.0	142.0
6	Bio 9681	179.3	146.7	163.0	166.7	158.3	151.3	110.0	146.6
7	BIO 9637	183.0	151.0	167.0	164.0	154.7	151.7	111.0	145.3
8	HM 4	184.0	141.7	162.8	161.0	156.0	147.7	110.7	143.8
9	HM 9	183.3	138.3	160.8	165.0	156.3	151.7	108.0	145.3
10	HM 10	185.0	137.7	161.3	165.0	157.7	151.7	109.7	146.0
	Loc. Mean	183.7	144.4	164.0	163.7	156.0	150.5	110.2	145.1
	C.D. (5%)	2.89	5.40	8.43	4.13	1.76	1.07	1.82	2.92
	C.V. (%)	0.92	2.18	2.27	1.47	0.66	0.41	0.96	1.39
	F (Prob)	0.01	0.00	0.68	0.00	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	125.0	97.0	111.7	118.7	102.7	95.3	108.4	128.3	122.3	125.3	130.2
2	HKH 306	126.7	96.7	110.3	114.0	99.3	99.7	107.8	125.0	120.0	122.5	128.2
3	HKH 307	120.7	93.0	110.7	113.0	101.7	91.7	105.1	128.0	118.7	123.3	126.9
4	HKH 405	125.7	91.7	110.7	114.0	98.0	97.7	106.3	125.0	120.7	122.8	129.1
	CHECKS											
5	Vivek Hybrid	124.7	90.0	109.7	-	96.7	-	105.3	-	112.7	112.7	130.2
6	Bio 9681	124.3	96.7	111.0	-	-	-	110.7	123.0	120.7	121.8	135.3
7	BIO 9637	124.3	96.3	111.0	114.7	101.7	97.7	107.6	123.0	119.7	121.3	128.8
8	HM 4	123.7	96.3	113.0	-	102.0	-	108.8	125.3	121.3	123.3	131.9
9	HM 9	125.3	92.3	109.3	113.3	98.0	91.3	104.9	131.0	121.0	126.0	127.5
10	HM 10	124.3	96.7	110.0	117.3	100.0	100.7	108.2	129.0	121.0	125.0	129.0
	Loc. Mean	124.5	94.7	110.7	115.0	100.0	96.3	107.3	126.4	119.8	122.4	129.7
	C.D. (5%)	4.28	1.50	2.17	3.48	1.61	2.53	4.18	1.70	3.85	5.05	4.70
	C.V. (%)	2.00	0.92	1.14	1.42	0.88	1.23	3.35	0.74	1.88	1.82	4.85
	F (Prob)	0.35	0.00	0.09	0.01	0.00	0.00	0.14	0.00	0.00	0.01	0.03

Table No.4 (Continued)

PLANT HEIGHT(cm)

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	184.0	151.5	167.8	146.8	195.0	201.2	230.7	193.4
2	HKH 306	167.7	192.3	180.0	135.8	190.0	170.8	167.5	166.0
3	HKH 307	165.0	169.3	167.2	154.5	170.0	180.0	165.1	167.4
4	HKH 405	169.3	171.7	170.5	153.0	207.5	173.7	214.1	187.1
	CHECKS								
5	Vivek Hybrid	151.7	184.3	168.0	139.0	182.5	-	148.4	156.6
6	Bio 9681	157.7	189.0	173.3	145.0	190.0	-	183.1	172.7
7	BIO 9637	177.7	170.7	174.2	153.3	195.0	177.7	186.9	178.2
8	HM 4	151.3	191.7	171.5	127.2	130.0	-	152.2	136.5
9	HM 9	170.0	178.3	174.2	148.3	195.0	200.7	160.1	176.1
10	HM 10	180.0	181.0	180.5	160.0	195.0	201.8	186.0	185.7
	Loc. Mean	167.4	178.0	172.7	146.3	185.0	186.6	179.4	172.0
	C.D. (5%)	15.11	22.11	35.25	15.82	8.81	24.47	5.21	20.55
	C.V. (%)	5.26	7.24	9.02	6.30	2.78	6.17	1.69	8.24
	F (Prob)	0.00	0.03	0.99	0.01	0.00	0.01	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	197.5	290.0	208.3	220.3	233.5	162.7	218.7	249.6	227.0	238.3	207.0
2	HKH 306	174.5	255.0	171.7	215.0	200.5	154.0	195.1	215.3	192.3	203.8	185.9
3	HKH 307	170.5	245.0	176.7	196.0	204.4	152.7	190.9	214.5	186.0	200.3	182.1
4	HKH 405	170.5	271.7	175.0	193.0	209.6	149.9	194.9	253.8	203.0	228.4	194.0
	CHECKS											
5	Vivek Hybrid	159.5	231.7	175.0	-	173.6	-	184.9	-	163.7	163.7	170.9
6	Bio 9681	166.5	253.3	180.0	-	-	-	199.9	213.0	163.7	188.4	184.1
7	BIO 9637	173.5	285.0	178.3	197.0	196.2	160.9	198.5	210.2	184.7	197.5	189.1
8	HM 4	156.0	215.0	158.3	-	153.3	-	170.7	207.8	159.7	183.7	163.9
9	HM 9	177.0	266.7	185.0	210.3	200.4	133.7	195.5	247.0	197.3	222.2	190.7
10	HM 10	197.5	281.7	185.0	220.3	212.9	170.1	211.3	256.8	211.3	234.1	202.8
	Loc. Mean	174.3	259.5	179.3	207.4	198.3	154.9	196.0	229.8	188.9	206.0	187.1
	C.D. (5%)	15.25	22.51	29.72	28.18	7.59	25.34	16.30	6.56	31.43	27.19	10.61
	C.V. (%)	5.10	5.06	9.66	6.39	2.10	7.69	7.15	1.56	9.70	5.84	7.57
	F (Prob)	0.00	0.00	0.19	0.09	0.00	0.06	0.00	0.00	0.00	0.00	0.00

Table No.4 (Continued)

EAR HEIGHT(cm)

SL No	PEDIGREE	KARN	KANP	ZN 2 Mean	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	Bisco 506	87.0	48.0	67.5	59.2	82.5	88.4	104.3	83.6
2	HKH 306	86.0	76.3	81.2	68.3	97.5	94.7	81.1	85.4
3	HKH 307	78.3	61.3	69.8	65.2	87.5	93.8	73.1	79.9
4	HKH 405	82.0	63.7	72.8	75.7	110.0	85.7	102.7	93.5
	CHECKS								
5	Vivek Hybrid	63.3	72.7	68.0	55.0	75.0	-	55.9	62.0
6	Bio 9681	65.0	68.0	66.5	58.5	87.5	-	77.9	74.6
7	BIO 9637	89.0	59.3	74.2	61.0	77.5	75.7	87.5	75.4
8	HM 4	65.3	67.7	66.5	49.7	57.5	-	56.1	54.4
9	HM 9	87.5	66.3	76.9	70.3	105.0	98.3	66.5	85.1
10	HM 10	83.3	73.7	78.5	70.3	102.5	96.0	85.5	88.6
	Loc. Mean	78.7	65.7	72.2	63.3	88.3	90.4	79.1	78.3
	C.D. (5%)	12.09	11.69	24.30	12.82	7.41	10.83	5.04	13.23
	C.V. (%)	8.96	10.37	14.88	11.80	4.90	5.63	3.71	11.66
	F (Prob)	0.00	0.00	0.85	0.01	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	Bisco 506	92.0	126.7	123.3	113.7	81.3	107.4	130.8	102.0	116.4	95.3
2	HKH 306	84.0	125.0	116.7	113.7	86.4	105.1	133.1	99.7	116.4	97.1
3	HKH 307	75.0	121.7	120.0	103.3	84.6	100.9	129.2	99.0	114.1	91.7
4	HKH 405	75.0	131.7	111.7	112.0	89.7	104.0	127.9	94.0	110.9	97.0
	CHECKS										
5	Vivek Hybrid	65.0	88.3	96.7	-	-	83.3	-	75.0	75.0	71.9
6	Bio 9681	73.0	110.0	111.7	-	-	98.2	108.3	82.0	95.2	84.2
7	BIO 9637	72.0	115.0	111.7	90.3	72.3	92.3	107.1	77.0	92.0	84.3
8	HM 4	68.5	86.7	103.3	-	-	86.2	126.3	76.3	101.3	75.7
9	HM 9	80.0	118.3	120.0	102.7	73.1	98.8	123.0	85.3	104.2	92.0
10	HM 10	92.0	130.0	113.3	106.3	89.1	106.2	132.6	88.0	110.3	97.1
	Loc. Mean	77.7	115.3	112.8	106.0	82.3	98.2	124.2	87.8	103.6	88.6
	C.D. (5%)	8.17	22.79	18.58	18.85	12.17	9.93	8.76	20.63	21.27	6.87
	C.V. (%)	6.13	11.52	9.60	8.36	6.95	7.88	3.86	13.70	9.08	9.97
	F (Prob)	0.00	0.00	0.17	0.07	0.01	0.00	0.00	0.07	0.03	0.00

TABLE No.5:
PERFORMANCE OF LATE AND MEDIUM MATURING EXPERIMENTAL HYBRIDS AT LUDHIANA, KARNAL, KANPUR, BAHRAICH, DHOLI,VARANASI, RANCHI, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI, BANSWARA, IN TRIAL No: TR7 & TR8 (AET2-LM)DURING RABI 2010-11.

		GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
Sl		ZN 1									ZN 2								ZN 3		
No	PEDIGREE	GOSS	R	LUDH	R	KARN	R	DELH	R	KANP	R	MEAN	R	BAHR	R	DHOL	R	VARA	R	RANC	R	MEAN	R
1	KMH-Super 244	5670	3	4798	7	3570	11	6299	8	8505	1	5625	11	9147	1	4550	12	14683	3	6930	3	8828	2
2	KMH-25K55	4167	7	5395	3	3913	10	7249	4	7988	5	5765	6	7083	4	5381	7	13186	6	6934	2	8146	6
3	KMH-3669	4515	6	5039	6	4837	2	6793	5	7399	12	5758	7	5598	10	6047	4	14019	5	7304	1	8242	5
4	MON 31	5276	4	5300	4	4648	6	6321	7	8386	3	6111	2	6731	5	5206	8	15491	2	6461	7	8472	4
5	Bisco 506	6727	1	5906	2	4595	8	7873	3	7674	9	6058	4	6490	7	6327	2	17226	1	5845	9	8972	1
	CHECKS																						
6	Bio 9681	3350	10	4526	10	4607	7	8136	1	8481	2	5872	5	5496	11	5566	5	12281	8	-		7781	7
7	Prakash	2567	12	4420	11	4817	3	4391	12	7832	7	5689	9	7816	2	4737	10	9710	12	4891	10	6789	11
8	HQPM 7	3815	8	4295	12	4707	5	6398	6	7927	6	5643	10	4757	12	5417	6	9829	11	-		6668	12
9	BIO 9637	3483	9	4613	9	4255	9	7963	2	7664	10	5511	12	5696	9	6062	3	12362	7	6238	8	7590	9
10	PMH 1	6476	2	5247	5	4767	4	5774	10	8237	4	6083	3	7118	3	4586	11	10454	10	6841	4	7250	10
11	Seedtec 2324	4994	5	7236	1	3452	12	5738	11	7820	8	6169	1	6378	8	6641	1	14332	4	6753	6	8526	3
12	HM 9	3330	11	4663	8	5089	1	5813	9	7472	11	5742	8	6685	6	5096	9	11834	9	6824	5	7610	8
	Location Mean	4531		5120		4438		6562		7949		5836		6583		5468		12951		6502		7876	
	Mean Stand	45		45		105		73		104		85		98		69		107		55		82	
	C.D. (5%)	2046		870		612		2431		569		684		981		1466		1216		1171		1208	
	C.V. (%)	26.6		10		8.12		21.82		4.22		-		8.78		15.79		5.53		10.45		-	
	F (Prob)	0		0		0		0.002		0.002				0		0		0		0.001			
	Plot Size	14.4		7.2		18		18		14.4		-		14.4		18		14.4		11.2		-	
	AGRONOMY DATA																						
	Sowing Date	29-11		28-11		13-11		5-12		24-12		-		12-12		4-12		20-11		21-12		-	
	Harvest Date	28-05		5-06		28-05		18-06		25-05		-		6-02		-		12-05		5-06		-	
	Irrigation Nos	-		18		12		5		5		-		-		-		5		10		-	
	Ferilizer Appli	80		70		180		140		120		-		150		150		150		120		-	
	Ferilizer Appli	40		24		60		60		60		-		75		70		75		60		-	
	Ferilizer Appli	40		12		60		40		60		-		60		50		60		40		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
		ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	VAGA	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	KMH-Super 244	4447	5	8829	3	10738	1	10493	3	13700	1	5613	1	9875	1	7669	1	7349	7	7669	1	8402	1
2	KMH-25K55	3554	9	8463	4	9025	4	11020	1	12883	2	5310	2	9340	2	7205	3	9988	3	7205	3	7984	2
3	KMH-3669	5013	2	8450	6	6957	7	9265	5	9624	10	3533	5	7566	7	5591	11	7421	6	5591	11	7205	6
4	MON 31	2347	12	7940	7	9648	3	9988	4	11897	3	3061	7	8507	4	7250	2	11641	1	7250	2	7847	4
5	Bisco 506	2704	11	9360	2	7861	5	7998	9	10696	6	4590	3	8101	6	6562	6	8885	4	6562	6	7779	5
	CHECKS																						
6	Bio 9681	4823	3	7380	8	5890	9	8785	6	10409	8	-		8116	5	5738	10	3779	11	5738	10	7196	7
7	Prakash	3759	6	6407	10	4650	11	7171	11	9625	9	-		6963	10	6204	9	5452	10	6204	9	6523	11
8	HQPM 7	4711	4	6023	11	2515	12	-		-		-		4269	12	-		1684	12	-		5684	12
9	BIO 9637	3230	10	8459	5	5841	10	8065	8	10706	5	3972	4	7409	8	6997	5	5564	9	6997	5	6995	8
10	PMH 1	3753	7	7011	9	7609	6	8423	7	10640	7	3272	6	7391	9	6404	7	7346	8	6404	7	6970	9
11	Seedtec 2324	5747	1	10180	1	9838	2	10994	2	11451	4	2107	9	8914	3	6235	8	10211	2	6235	8	7955	3
12	HM 9	3669	8	5934	12	6436	8	7252	10	8744	11	2310	8	6135	11	7072	4	7518	5	7072	4	6570	10
	Location Mean	3980		7870		7251		9041		10943		3752		7771		6630		7236		6630		7269	
	Mean Stand	66		68		75		95		101		61		80		78		63		78		82	
	C.D. (5%)	1744		2344		1496		1557		966		435		1360		1282		2511		1282		1151	
	C.V. (%)	25.81		17.54		12.15		10.08		5.16		6.66		-		11.32		20.44		-		-	
	F (Prob)	0.034		0		0		0.001		0		0				0		0					
	Plot Size	18		18		18		16.8		14.4		14.4		-		14.4		14.4		-		-	
	AGRONOMY DATA																						
	Sowing Date	3-12		5-12		30-12		6-12		4-01		15-02		-		11-12		16-11		-		-	
	Harvest Date	29-04		19-04		17-05		4-05		5-05		20-05		-		10-05		14-04		-		-	
	Irrigation Nos	6		12		-		12		10		11		-		6		10		-		-	
	Ferilizer Appli	150		240		120		150		150		200		-		150		150		-		-	
	Ferilizer Appli	75		80		60		75		75		75		-		60		60		-		-	
	Ferilizer Appli	37.5		60		40		40		75		75		-		-		-		-		-	

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Bio 9681

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	69.3	6	-	-	0.3	-	66.5	-	19.6	-	13.5
2	KMH-25K55	24.4	19.2	-	-	-	-	28.9	-	7.4	-	4.7
3	KMH-3669	34.8	11.3	5	-	-	-	1.9	8.7	14.1	-	5.9
4	MON 31	57.5	17.1	0.9	-	-	4.1	22.5	-	26.1	-	8.9
5	Bisco 506	100.8	30.5	-	-	-	3.2	18.1	13.7	40.3	-	15.3
	CHECKS											
6	Bio 9681	-	-	-	-	-	-	-	-	-	-	-
7	Prakash	-	-	4.6	-	-	-	42.2	-	-	-	-
8	HQPM 7	13.9	-	2.2	-	-	-	-	-	-	-	-
9	BIO 9637	4	1.9	-	-	-	-	3.7	8.9	0.7	-	-
10	PMH 1	93.3	15.9	3.5	-	-	3.6	29.5	-	-	-	-
11	Seedtec 2324	49.1	59.9	-	-	-	5.1	16.1	19.3	16.7	-	9.6
12	HM 9	-	3	10.5	-	-	-	21.6	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE Bio 9681

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	-	19.6	82.3	19.4	31.6	-	21.7	33.7	94.5	33.7	16.8
2	KMH-25K55	-	14.7	53.2	25.4	23.8	-	15.1	25.6	164.3	25.6	10.9
3	KMH-3669	3.9	14.5	18.1	5.5	-	-	-	-	96.4	-	0.1
4	MON 31	-	7.6	63.8	13.7	14.3	-	4.8	26.4	208	26.4	9
5	Bisco 506	-	26.8	33.5	-	2.8	-	-	14.4	135.1	14.4	8.1
	CHECKS											
6	Bio 9681	-	-	-	-	-	-	-	-	-	-	-
7	Prakash	-	-	-	-	-	-	-	8.1	44.3	8.1	-
8	HQPM 7	-	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	14.6	-	-	2.9	-	-	22	47.2	22	-
10	PMH 1	-	-	29.2	-	2.2	-	-	11.6	94.4	11.6	-
11	Seedtec 2324	19.2	37.9	67	25.1	10	-	9.8	8.7	170.2	8.7	10.5
12	HM 9	-	-	9.3	-	-	-	-	23.3	98.9	23.3	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Prakash

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	ZN 2 KANP	MEAN	BAHR	DHOL	VARA	ZN 3 RANC	MEAN
1	KMH-Super 24	120.9	8.6	-	43.4	8.6	-	17	-	51.2	41.7	30
2	KMH-25K55	62.4	22.1	-	65.1	2	1.3	-	13.6	35.8	41.8	20
3	KMH-3669	75.9	14	0.4	54.7	-	1.2	-	27.7	44.4	49.3	21.4
4	MON 31	105.6	19.9	-	43.9	7.1	7.4	-	9.9	59.5	32.1	24.8
5	Bisco 506	162.1	33.6	-	79.3	-	6.5	-	33.6	77.4	19.5	32.2
	CHECKS											
6	Bio 9681	30.5	2.4	-	85.3	8.3	3.2	-	17.5	26.5	-	14.6
7	Prakash	-	-	-	-	-	-	-	-	-	-	-
8	HQPM 7	48.6	-	-	45.7	1.2	-	-	14.4	1.2	-	-
9	BIO 9637	35.7	4.4	-	81.3	-	-	-	28	27.3	27.5	11.8
10	PMH 1	152.3	18.7	-	31.5	5.2	6.9	-	-	7.7	39.9	6.8
11	Seedtec 2324	94.6	63.7	-	30.7	-	8.4	-	40.2	47.6	38.1	25.6
12	HM 9	29.7	5.5	5.7	32.4	-	0.9	-	7.6	21.9	39.5	12.1

GRAIN YIELD % SUPERIORITY OVER THE Prakash

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	18.3	37.8	130.9	46.3	42.3	-	41.8	23.6	34.8	23.6	28.8
2	KMH-25K55	-	32.1	94.1	53.7	33.8	-	34.1	16.1	83.2	16.1	22.4
3	KMH-3669	33.4	31.9	49.6	29.2	-	-	8.7	-	36.1	-	10.4
4	MON 31	-	23.9	107.5	39.3	23.6	-	22.2	16.8	113.5	16.8	20.3
5	Bisco 506	-	46.1	69	11.5	11.1	-	16.3	5.8	63	5.8	19.3
	CHECKS											
6	Bio 9681	28.3	15.2	26.7	22.5	8.1	-	16.6	-	-	-	10.3
7	Prakash	-	-	-	-	-	-	-	-	-	-	-
8	HQPM 7	25.3	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	32	25.6	12.5	11.2	-	6.4	12.8	2.1	12.8	7.2
10	PMH 1	-	9.4	63.6	17.5	10.5	-	6.1	3.2	34.7	3.2	6.8
11	Seedtec 2324	52.9	58.9	111.5	53.3	19	-	28	0.5	87.3	0.5	21.9
12	HM 9	-	-	38.4	1.1	-	-	-	14	37.9	14	0.7

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HQPM 7

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	48.6	11.7	-	-	7.3	-	92.3	-	49.4	-	32.4
2	KMH-25K55	9.2	25.6	-	13.3	0.8	2.2	48.9	-	34.2	-	22.2
3	KMH-3669	18.4	17.3	2.8	6.2	-	2	17.7	11.6	42.6	-	23.6
4	MON 31	38.3	23.4	-	-	5.8	8.3	41.5	-	57.6	-	27.1
5	Bisco 506	76.3	37.5	-	23	-	7.4	36.4	16.8	75.3	-	34.6
	CHECKS											
6	Bio 9681	-	5.4	-	27.2	7	4	15.5	2.7	25	-	16.7
7	Prakash	-	2.9	2.3	-	-	0.8	64.3	-	-	-	1.8
8	HQPM 7	-	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	7.4	-	24.5	-	-	19.7	11.9	25.8	-	13.8
10	PMH 1	69.8	22.2	1.3	-	3.9	7.8	49.6	-	6.4	-	8.7
11	Seedtec 2324	30.9	68.5	-	-	-	9.3	34.1	22.6	45.8	-	27.9
12	HM 9	-	8.6	8.1	-	-	1.7	40.5	-	20.4	-	14.1

GRAIN YIELD % SUPERIORITY OVER THE HQPM 7

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	-	46.6	326.9	-	-	-	131.3	-	336.4	-	47.8
2	KMH-25K55	-	40.5	258.8	-	-	-	118.8	-	493.1	-	40.5
3	KMH-3669	6.4	40.3	176.6	-	-	-	77.2	-	340.7	-	26.8
4	MON 31	-	31.8	283.6	-	-	-	99.3	-	591.2	-	38.1
5	Bisco 506	-	55.4	212.5	-	-	-	89.7	-	427.6	-	36.9
	CHECKS											
6	Bio 9681	2.4	22.5	134.2	-	-	-	90.1	-	124.4	-	26.6
7	Prakash	-	6.4	84.9	-	-	-	63.1	-	223.7	-	14.8
8	HQPM 7	-	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	40.4	132.2	-	-	-	73.5	-	230.4	-	23.1
10	PMH 1	-	16.4	202.5	-	-	-	73.1	-	336.2	-	22.6
11	Seedtec 2324	22	69	291.1	-	-	-	108.8	-	506.3	-	40
12	HM 9	-	-	155.9	-	-	-	43.7	-	346.4	-	15.6

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE BIO 9637

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	62.8	4	-	-	11	2.1	60.6	-	18.8	11.1	16.3
2	KMH-25K55	19.6	16.9	-	-	4.2	4.6	24.3	-	6.7	11.1	7.3
3	KMH-3669	29.6	9.2	13.7	-	-	4.5	-	-	13.4	17.1	8.6
4	MON 31	51.5	14.9	9.2	-	9.4	10.9	18.2	-	25.3	3.6	11.6
5	Bisco 506	93.1	28	8	-	0.1	9.9	13.9	4.4	39.3	-	18.2
	CHECKS											
6	Bio 9681	-	-	8.3	2.2	10.7	6.5	-	-	-	-	2.5
7	Prakash	-	-	13.2	-	2.2	3.2	37.2	-	-	-	-
8	HQPM 7	9.5	-	10.6	-	3.4	2.4	-	-	-	-	-
9	BIO 9637	-	-	-	-	-	-	-	-	-	-	-
10	PMH 1	85.9	13.7	12	-	7.5	10.4	25	-	-	9.7	-
11	Seedtec 2324	43.4	56.8	-	-	2	11.9	12	9.5	15.9	8.3	12.3
12	HM 9	-	1.1	19.6	-	-	4.2	17.4	-	-	9.4	0.3

GRAIN YIELD % SUPERIORITY OVER THE BIO 9637

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	37.7	4.4	83.8	30.1	28	41.3	33.3	9.6	32.1	9.6	20.1
2	KMH-25K55	10.1	0.1	54.5	36.6	20.3	33.7	26.1	3	79.5	3	14.1
3	KMH-3669	55.2	-	19.1	14.9	-	-	2.1	-	33.4	-	3
4	MON 31	-	-	65.2	23.8	11.1	-	14.8	3.6	109.2	3.6	12.2
5	Bisco 506	-	10.7	34.6	-	-	15.5	9.3	-	59.7	-	11.2
	CHECKS											
6	Bio 9681	49.3	-	0.8	8.9	-	-	9.5	-	-	-	2.9
7	Prakash	16.4	-	-	-	-	-	-	-	-	-	-
8	HQPM 7	45.8	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	-	-	-	-	-	-	-	-	-	-
10	PMH 1	16.2	-	30.3	4.4	-	-	-	-	32	-	-
11	Seedtec 2324	77.9	20.3	68.4	36.3	7	-	20.3	-	83.5	-	13.7
12	HM 9	13.6	-	10.2	-	-	-	-	1.1	35.1	1.1	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE PMH 1

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	-	-	-	9.1	3.3	-	28.5	-	40.5	1.3	21.8
2	KMH-25K55	-	2.8	-	25.5	-	-	-	17.4	26.1	1.4	12.4
3	KMH-3669	-	-	1.5	17.6	-	-	-	31.9	34.1	6.8	13.7
4	MON 31	-	1	-	9.5	1.8	0.5	-	13.5	48.2	-	16.9
5	Bisco 506	3.9	12.6	-	36.3	-	-	-	38	64.8	-	23.8
	CHECKS											
6	Bio 9681	-	-	-	40.9	3	-	-	21.4	17.5	-	7.3
7	Prakash	-	-	1	-	-	-	9.8	3.3	-	-	-
8	HQPM 7	-	-	-	10.8	-	-	-	18.1	-	-	-
9	BIO 9637	-	-	-	37.9	-	-	-	32.2	18.2	-	4.7
10	PMH 1	-	-	-	-	-	-	-	-	-	-	-
11	Seedtec 2324	-	37.9	-	-	-	1.4	-	44.8	37.1	-	17.6
12	HM 9	-	-	6.8	0.7	-	-	-	11.1	13.2	-	5

GRAIN YIELD % SUPERIORITY OVER THE PMH 1

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	18.5	25.9	41.1	24.6	28.8	71.6	33.6	19.8	0	19.8	20.6
2	KMH-25K55	-	20.7	18.6	30.8	21.1	62.3	26.4	12.5	36	12.5	14.5
3	KMH-3669	33.6	20.5	-	10	-	8	2.4	-	1	-	3.4
4	MON 31	-	13.3	26.8	18.6	11.8	-	15.1	13.2	58.5	13.2	12.6
5	Bisco 506	-	33.5	3.3	-	0.5	40.3	9.6	2.5	21	2.5	11.6
	CHECKS											
6	Bio 9681	28.5	5.3	-	4.3	-	-	9.8	-	-	-	3.3
7	Prakash	0.2	-	-	-	-	-	-	-	-	-	-
8	HQPM 7	25.5	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	20.7	-	-	0.6	21.4	0.2	9.3	-	9.3	0.4
10	PMH 1	-	-	-	-	-	-	-	-	-	-	-
11	Seedtec 2324	53.1	45.2	29.3	30.5	7.6	-	20.6	-	39	-	14.1
12	HM 9	-	-	-	-	-	-	-	10.4	2.3	10.4	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	13.5	-	3.4	9.8	8.8	-	43.4	-	2.4	2.6	3.5
2	KMH-25K55	-	-	13.4	26.3	2.2	-	11.1	-	-	2.7	-
3	KMH-3669	-	-	40.1	18.4	-	-	-	-	-	8.2	-
4	MON 31	5.6	-	34.6	10.2	7.2	-	5.5	-	8.1	-	-
5	Bisco 506	34.7	-	33.1	37.2	-	-	1.8	-	20.2	-	5.2
	CHECKS											
6	Bio 9681	-	-	33.5	41.8	8.5	-	-	-	-	-	-
7	Prakash	-	-	39.5	-	0.2	-	22.6	-	-	-	-
8	HQPM 7	-	-	36.4	11.5	1.4	-	-	-	-	-	-
9	BIO 9637	-	-	23.3	38.8	-	-	-	-	-	-	-
10	PMH 1	29.7	-	38.1	0.6	5.3	-	11.6	-	-	1.3	-
11	Seedtec 2324	-	-	-	-	-	-	-	-	-	-	-
12	HM 9	-	-	47.4	1.3	-	-	4.8	-	-	1.1	-

GRAIN YIELD % SUPERIORITY OVER THE Seedtec 2324

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	KMH-Super 24	-	-	9.2	-	19.6	166.4	10.8	23	-	23	5.6
2	KMH-25K55	-	-	-	0.2	12.5	152	4.8	15.6	-	15.6	0.4
3	KMH-3669	-	-	-	-	-	67.7	-	-	-	-	-
4	MON 31	-	-	-	-	3.9	45.3	-	16.3	14	16.3	-
5	Bisco 506	-	-	-	-	-	117.9	-	5.2	-	5.2	-
	CHECKS											
6	Bio 9681	-	-	-	-	-	-	-	-	-	-	-
7	Prakash	-	-	-	-	-	-	-	-	-	-	-
8	HQPM 7	-	-	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	-	-	-	-	88.5	-	12.2	-	12.2	-
10	PMH 1	-	-	-	-	-	55.3	-	2.7	-	2.7	-
11	Seedtec 2324	-	-	-	-	-	-	-	-	-	-	-
12	HM 9	-	-	-	-	-	9.6	-	13.4	-	13.4	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

TABLE No.5 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HM 9

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	ZN 3 MEAN
1	KMH-Super 24	70.3	2.9	-	8.4	13.8	-	36.8	-	24.1	1.6	16
2	KMH-25K55	25.2	15.7	-	24.7	6.9	0.4	5.9	5.6	11.4	1.6	7
3	KMH-3669	35.6	8	-	16.9	-	0.3	-	18.7	18.5	7	8.3
4	MON 31	58.5	13.6	-	8.7	12.2	6.4	0.7	2.1	30.9	-	11.3
5	Bisco 506	102	26.6	-	35.4	2.7	5.5	-	24.1	45.6	-	17.9
	CHECKS											
6	Bio 9681	0.6	-	-	40	13.5	2.3	-	9.2	3.8	-	2.2
7	Prakash	-	-	-	-	4.8	-	16.9	-	-	-	-
8	HQPM 7	14.6	-	-	10.1	6.1	-	-	6.3	-	-	-
9	BIO 9637	4.6	-	-	37	2.6	-	-	18.9	4.5	-	-
10	PMH 1	94.5	12.5	-	-	10.2	6	6.5	-	-	0.2	-
11	Seedtec 2324	50	55.2	-	-	4.6	7.4	-	30.3	21.1	-	12
12	HM 9	-	-	-	-	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE HM 9

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 VAGA	MEAN	ZN 5 BANS	GODH	OV'L MEAN	MEAN
1	KMH-Super 24	21.2	48.8	66.9	44.7	56.7	143	61	8.4	-	8.4	27.9
2	KMH-25K55	-	42.6	40.2	52	47.3	129.9	52.2	1.9	32.9	1.9	21.5
3	KMH-3669	36.6	42.4	8.1	27.8	10.1	53	23.3	-	-	-	9.7
4	MON 31	-	33.8	49.9	37.7	36.1	32.5	38.7	2.5	54.9	2.5	19.4
5	Bisco 506	-	57.7	22.1	10.3	22.3	98.7	32	-	18.2	-	18.4
	CHECKS											
6	Bio 9681	31.4	24.4	-	21.1	19	-	32.3	-	-	-	9.5
7	Prakash	2.4	8	-	-	10.1	-	13.5	-	-	-	-
8	HQPM 7	28.4	1.5	-	-	-	-	-	-	-	-	-
9	BIO 9637	-	42.5	-	11.2	22.4	72	20.8	-	-	-	6.5
10	PMH 1	2.3	18.1	18.2	16.1	21.7	41.6	20.5	-	-	-	6.1
11	Seedtec 2324	56.6	71.5	52.9	51.6	31	-	45.3	-	35.8	-	21.1
12	HM 9	-	-	-	-	-	-	-	-	-	-	-

LOCATIONS REJECTED DUE TO HIGH C.V.(i.e.> 20%) : GOSS 26.6 %: DELH 21.8 %: ARBH 25.8 %: GODH 20.4 %

Table No.5 (Continued)

MOISTURE % AT HARVEST

SL No	PEDIGREE	GOSS	LUDH	KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	21.5	26.0	25.4	13.0	21.5	26.6	22.8	28.9	23.4	25.4
2	KMH-25K55	23.4	27.6	24.9	14.7	22.4	25.7	21.4	29.9	22.9	25.0
3	KMH-3669	23.2	27.6	26.3	13.7	22.5	24.0	20.6	27.8	23.2	23.9
4	MON 31	23.9	27.1	24.7	12.3	21.3	26.6	24.1	28.2	22.8	25.4
5	Bisco 506	21.0	26.4	24.7	13.7	21.6	25.5	19.3	27.0	23.8	23.9
	CHECKS										
6	Bio 9681	22.9	27.3	24.7	14.3	22.1	24.7	17.4	24.8	-	22.3
7	Prakash	19.9	26.8	25.8	14.3	22.3	23.4	18.3	26.1	20.9	22.2
8	HQPM 7	24.0	27.9	25.9	13.3	22.4	25.7	17.7	29.2	-	24.2
9	BIO 9637	22.2	26.8	25.4	13.7	21.9	24.2	17.6	27.1	20.7	22.4
10	PMH 1	22.7	26.7	25.7	13.3	21.9	23.2	21.6	26.3	23.8	23.7
11	Seedtec 2324	22.5	27.9	24.9	14.7	22.5	25.1	19.8	27.9	22.3	23.7
12	HM 9	19.4	27.8	25.6	13.7	22.3	24.5	18.7	26.6	21.8	22.9
	Loc. Mean	22.2	27.1	25.3	13.7	22.1	24.9	19.9	27.5	22.5	23.7
	C.D. (5%)	0.43	1.26	1.53	1.41	0.98	1.06	0.99	0.65	0.73	1.69
	C.V. (%)	1.13	2.74	3.58	6.07	2.63	2.52	2.95	1.40	1.72	4.94
	F (Prob)	0.00	0.06	0.43	0.07	0.22	0.00	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	21.5	20.0	15.8	18.1	22.0	23.1	20.1	18.0	16.3	17.1	21.4
2	KMH-25K55	18.6	19.1	14.9	18.6	24.0	26.0	20.2	17.2	17.9	17.6	21.7
3	KMH-3669	19.0	16.7	16.4	17.5	21.9	25.9	19.6	16.6	15.4	16.0	21.0
4	MON 31	16.3	18.6	15.7	17.8	25.2	27.3	20.2	18.6	14.9	16.8	21.5
5	Bisco 506	17.9	18.3	13.5	17.5	23.9	25.2	19.4	17.9	17.3	17.6	20.8
	CHECKS											
6	Bio 9681	16.6	17.8	12.3	17.7	17.8	-	16.4	18.6	17.7	18.1	19.6
7	Prakash	13.3	13.4	12.8	17.4	17.2	-	14.8	16.5	10.8	13.6	18.4
8	HQPM 7	19.5	19.4	14.1	-	-	-	17.7	-	11.9	11.9	20.8
9	BIO 9637	14.5	14.4	12.2	18.3	19.8	23.5	17.1	18.2	13.7	15.9	19.5
10	PMH 1	23.4	20.0	15.6	17.5	24.5	25.5	21.1	17.7	15.0	16.3	21.4
11	Seedtec 2324	22.7	20.8	15.3	17.2	23.1	24.8	20.6	16.4	16.2	16.3	21.3
12	HM 9	15.6	16.5	14.0	16.6	19.0	24.6	17.7	18.4	14.1	16.2	19.8
	Loc. Mean	18.2	17.9	14.4	17.6	21.7	25.1	18.7	17.6	15.1	16.1	20.6
	C.D. (5%)	3.79-		1.32	0.45	1.21	1.58	2.37	2.00	2.65	3.24	1.09
	C.V. (%)	12.29-		5.43	1.44	3.13	3.9	10.93	6.37	10.36	9.12	7.59
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.05	0.00

Table No.5 (Continued)

SL No	PEDIGREE	STAND AT HARVEST ('000/ha) GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	42.4	59.7	60.2	64.3	73.3	64.4	79.9	54.3	81.0	53.9	67.3
2	KMH-25K55	53.2	63.9	57.8	43.6	72.9	64.9	74.5	42.8	80.6	49.4	61.8
3	KMH-3669	29.6	61.1	55.9	33.3	72.2	63.1	63.0	35.4	80.3	44.3	55.8
4	MON 31	19.2	66.2	56.3	58.5	72.9	65.1	67.4	52.4	80.8	47.0	61.9
5	Bisco 506	39.1	61.6	60.6	54.8	72.2	64.8	68.1	51.3	83.1	56.0	64.6
	CHECKS											
6	Bio 9681	25.9	63.9	58.0	28.1	72.0	64.6	66.9	22.2	63.9	16.7	42.4
7	Prakash	24.3	65.3	54.8	39.2	72.0	64.0	64.1	27.8	71.5	40.2	50.9
8	HQPM 7	13.9	62.0	61.1	5.2	72.5	65.2	65.5	18.0	44.4	5.4	33.3
9	BIO 9637	33.8	62.0	58.0	36.9	72.7	64.2	66.9	40.7	75.7	42.9	56.5
10	PMH 1	32.6	62.5	59.3	38.7	72.7	64.8	75.7	30.9	71.5	48.2	56.6
11	Seedtec 2324	46.3	63.4	58.3	45.3	72.0	64.6	72.2	36.3	79.6	49.4	59.4
12	HM 9	17.8	61.6	61.3	41.1	71.8	64.9	53.5	50.6	79.2	59.8	60.8
	Loc. Mean	31.5	62.8	58.5	40.7	72.4	64.6	68.1	38.5	74.3	42.8	55.9
	C.D. (5%)	15.37	7.95	6.08	17.37	1.33	3.17	7.43	12.37	4.66	8.87	11.68
	C.V. (%)	28.80	7.48	6.15	25.18	1.08	2.90	6.44	18.94	3.70	12.25	14.52
	F (Prob)	0.00	0.91	0.46	0.00	0.43	0.98	0.00	0.00	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	38.1	50.0	63.7	57.1	70.4	48.8	58.0	60.9	65.5	63.2	62.8
2	KMH-25K55	55.4	58.3	59.8	55.8	70.4	50.2	58.9	54.2	67.1	60.6	61.3
3	KMH-3669	41.1	39.3	30.2	57.3	69.9	44.7	48.3	53.7	33.3	43.5	52.9
4	MON 31	31.7	57.8	58.9	56.9	70.6	47.0	58.2	60.6	53.5	57.1	60.6
5	Bisco 506	37.2	47.0	58.5	55.2	70.6	43.5	55.0	52.5	52.5	52.5	59.5
	CHECKS											
6	Bio 9681	24.6	20.7	19.6	57.3	69.7	-	41.8	52.3	19.0	35.6	46.3
7	Prakash	28.7	32.2	33.1	54.8	68.8	-	47.2	49.3	43.3	46.3	52.1
8	HQPM 7	23.7	6.1	2.6	-	-	-	4.4	-	7.6	7.6	34.5
9	BIO 9637	36.5	37.2	26.7	55.0	70.1	35.2	44.8	54.2	36.6	45.4	52.4
10	PMH 1	39.4	32.0	45.7	56.2	70.4	38.9	48.6	50.5	44.4	47.5	54.2
11	Seedtec 2324	39.6	26.7	44.6	59.1	70.1	30.8	46.3	53.9	45.4	49.7	54.4
12	HM 9	45.4	43.1	54.8	56.2	69.9	42.8	53.4	56.7	56.0	56.4	58.4
	Loc. Mean	36.8	37.5	41.5	56.4	70.1	42.4	47.1	54.4	43.7	47.1	54.1
	C.D. (5%)	17.16	3.09	7.43	2.86	0.84	7.31	10.59	2.80	5.80	19.12	6.15
	C.V. (%)	27.54	4.86	10.57	2.85	0.67	8.62	17.65	2.90	7.84	18.44	15.20
	F (Prob)	0.05	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : GOSSAIGAON 28.8%: DELHI 25.2%: ARBHAVI 27.5%

Table No.5 (Continued)

SL No	PEDIGREE	GRAIN SHELLING % GOSS	KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	81.0	81.8	74.5	78.2	80.9	80.3	80.8	80.0	80.5
2	KMH-25K55	80.5	83.4	75.3	79.3	76.8	81.5	80.0	86.6	81.2
3	KMH-3669	79.6	81.4	73.7	77.5	72.3	81.7	78.5	86.6	79.8
4	MON 31	82.3	81.6	74.0	77.8	73.5	80.8	77.3	87.3	79.7
5	Bisco 506	84.0	81.5	72.7	77.1	76.3	81.0	78.8	86.1	80.5
	CHECKS									
6	Bio 9681	79.6	82.9	75.3	79.1	67.9	79.9	78.5	-	75.4
7	Prakash	78.4	81.1	73.3	77.2	78.1	81.4	77.8	84.1	80.3
8	HQPM 7	78.8	83.3	73.3	78.3	66.8	83.5	76.5	-	75.6
9	BIO 9637	78.4	80.9	73.7	77.3	73.9	81.5	77.0	79.9	78.1
10	PMH 1	82.6	82.1	74.3	78.2	81.6	77.4	75.8	84.5	79.8
11	Seedtec 2324	84.0	82.0	74.7	78.3	73.1	81.1	80.3	84.5	79.8
12	HM 9	80.1	83.2	74.0	78.6	70.6	80.0	75.3	85.4	77.8
	Loc. Mean	80.8	82.1	74.1	78.1	74.3	80.8	78.0	84.5	79.0
	C.D. (5%)	0.83	1.45	1.64	1.33	2.49	1.93	1.09	2.39	4.55
	C.V. (%)	0.60	1.04	1.31	0.77	1.98	1.41	0.82	1.50	4.00
	F (Prob)	0.00	0.01	0.07	0.05	0.00	0.00	0.00	0.00	0.19

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	80.6	76.7	83.0	80.8	78.1	75.7	79.1	77.0	74.3	75.7	79.0
2	KMH-25K55	82.6	79.6	81.7	81.3	78.8	74.6	79.8	77.6	76.7	77.1	79.8
3	KMH-3669	79.9	81.1	77.7	80.8	75.6	72.5	77.9	74.8	80.0	77.4	78.4
4	MON 31	79.8	80.3	82.5	82.0	75.3	76.3	79.3	80.1	87.5	83.8	80.0
5	Bisco 506	77.5	76.9	82.7	80.6	80.7	75.6	79.0	81.5	81.1	81.3	79.8
	CHECKS											
6	Bio 9681	80.6	77.5	81.5	79.1	78.6	-	79.4	75.3	75.9	75.6	77.9
7	Prakash	84.1	84.8	81.8	79.7	81.6	-	82.4	76.2	86.3	81.2	80.6
8	HQPM 7	79.0	75.6	80.0	-	-	-	78.2	-	73.7	73.7	77.0
9	BIO 9637	71.4	79.3	82.2	80.1	75.9	74.4	77.2	75.9	78.9	77.4	77.5
10	PMH 1	82.7	78.2	83.2	79.1	76.7	76.0	79.3	72.4	84.6	78.5	79.4
11	Seedtec 2324	82.2	83.9	81.5	79.8	78.9	75.2	80.2	78.8	83.2	81.0	80.2
12	HM 9	79.6	64.5	79.6	81.1	76.0	71.1	75.3	78.0	79.0	78.5	77.2
	Loc. Mean	80.0	78.2	81.4	80.4	77.8	74.6	78.9	77.1	80.1	78.4	78.9
	C.D. (5%)	3.32-		3.16	1.39	2.31	2.74	3.12	2.98	4.31	7.24	1.93
	C.V. (%)	2.45-		2.29	0.97	1.67	1.84	3.41	2.17	3.18	4.20	3.39
	F (Prob)	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.23	0.00

Table No.5 (Continued)

DAYS TO 50% POLLEN SHED

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	121.3	137.7	144.3	127.0	101.5	127.6	123.7	120.3	117.0	100.7	115.4
2	KMH-25K55	119.0	140.0	147.3	128.0	105.7	130.3	126.0	118.7	118.7	104.0	116.8
3	KMH-3669	119.0	138.3	146.0	127.5	104.7	129.1	124.3	122.0	117.7	107.0	117.8
4	MON 31	125.3	138.3	149.0	127.3	103.3	129.5	123.7	126.0	120.7	102.7	118.3
5	Bisco 506	119.3	143.0	143.7	123.3	105.3	128.8	124.3	120.7	118.0	102.7	116.4
	CHECKS											
6	Bio 9681	118.0	142.3	146.0	125.5	103.3	129.3	125.3	122.3	119.3	102.3	117.3
7	Prakash	113.7	138.3	141.3	123.0	106.7	127.3	123.3	112.7	115.0	101.0	113.0
8	HQPM 7	120.0	141.7	146.7	125.0	107.7	130.3	127.7	124.0	121.0	102.7	118.8
9	BIO 9637	117.0	141.7	144.3	123.5	107.3	129.2	120.7	119.7	117.0	103.7	115.3
10	PMH 1	118.7	144.0	150.7	127.0	105.7	131.8	126.7	125.0	118.3	98.3	117.1
11	Seedtec 2324	117.3	133.7	151.0	127.5	107.7	130.0	126.3	124.7	119.7	104.3	118.8
12	HM 9	119.0	141.3	143.3	124.7	106.0	128.8	124.7	119.7	118.7	101.7	116.2
	Loc. Mean	119.0	140.0	146.1	125.8	105.4	129.3	124.7	121.3	118.4	102.6	116.8
	C.D. (5%)	4.10	8.66	2.48	1.89	2.75	3.57	1.55	5.16	1.86	1.65	2.98
	C.V. (%)	2.04	3.65	1.00	0.89	1.54	1.92	0.73	2.51	0.93	0.95	1.77
	F (Prob)	0.00	0.51	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.02

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	82.0	70.0	73.3	66.7	60.7	55.0	67.9	81.3	76.0	78.7	97.6
2	KMH-25K55	83.7	69.7	72.7	66.0	63.0	55.7	68.4	88.0	76.7	82.3	99.0
3	KMH-3669	83.0	71.7	73.7	69.0	62.3	54.3	69.0	88.0	79.3	83.7	99.3
4	MON 31	84.0	70.3	72.7	69.0	59.3	55.7	68.5	90.3	79.3	84.8	99.8
5	Bisco 506	82.3	66.3	72.3	66.3	59.3	57.0	67.3	84.7	77.0	80.8	98.0
	CHECKS											
6	Bio 9681	81.0	67.0	73.0	65.0	60.0	-	69.2	90.7	75.0	82.8	101.0
7	Prakash	77.7	62.3	71.0	62.0	55.0	-	65.6	82.7	68.0	75.3	97.1
8	HQPM 7	82.7	67.7	73.3	-	-	-	74.6	-	77.7	77.7	109.1
9	BIO 9637	79.0	66.7	72.0	63.0	58.7	57.0	66.1	83.0	75.3	79.2	97.0
10	PMH 1	84.0	69.7	72.3	66.3	60.3	55.7	68.1	85.7	74.3	80.0	99.0
11	Seedtec 2324	83.7	70.0	72.7	66.0	61.3	57.3	68.5	82.7	75.3	79.0	98.9
12	HM 9	80.3	61.7	71.7	64.7	57.3	56.0	65.3	84.0	72.7	78.3	96.9
	Loc. Mean	81.9	67.8	72.6	65.8	59.8	56.0	68.2	85.5	75.6	80.2	99.4
	C.D. (5%)	2.26	1.37	1.86	1.66	1.18	1.88	3.92	2.67	3.56	6.58	4.69
	C.V. (%)	1.63	1.20	1.52	1.42	1.11	1.62	4.96	1.76	2.78	3.72	6.97
	F (Prob)	0.00	0.00	0.23	0.00	0.00	0.02	0.00	0.00	0.00	0.19	0.00

Table No.5 (Continued)

DAYS TO 50% SILKING

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	124.3	140.3	147.0	128.7	107.5	130.9	125.3	121.3	120.7	104.7	118.0
2	KMH-25K55	122.7	142.3	150.0	130.0	111.7	133.5	128.0	119.7	122.7	109.0	119.8
3	KMH-3669	121.3	140.7	148.7	129.0	110.7	132.3	126.3	123.0	122.3	111.3	120.8
4	MON 31	128.7	141.0	151.3	128.7	109.3	132.6	125.3	127.7	124.0	107.0	121.0
5	Bisco 506	123.0	145.7	146.0	125.3	111.7	132.2	126.3	121.7	121.7	107.0	119.2
	CHECKS											
6	Bio 9681	121.0	145.0	148.7	128.0	109.3	132.8	127.3	124.0	123.3	106.3	120.3
7	Prakash	116.7	141.3	144.3	125.0	113.0	130.9	125.3	113.7	118.3	103.0	115.1
8	HQPM 7	123.0	144.7	149.0	127.0	113.7	133.6	129.7	125.0	124.7	107.0	121.6
9	BIO 9637	120.7	144.3	147.0	125.5	113.3	132.5	122.3	121.0	122.0	108.3	118.4
10	PMH 1	122.3	146.3	153.0	128.7	112.0	135.0	128.7	125.7	121.7	102.3	119.6
11	Seedtec 2324	119.7	136.7	153.7	129.0	113.7	133.3	128.3	126.0	123.0	109.0	121.6
12	HM 9	122.0	144.0	146.0	126.7	112.0	132.2	126.7	120.7	121.7	105.7	118.7
	Loc. Mean	122.1	142.7	148.7	127.6	111.5	132.6	126.6	122.4	122.2	106.7	119.5
	C.D. (5%)	4.65	8.81	2.51	2.00	2.91	3.48	1.78	5.62	1.42	1.97	3.06
	C.V. (%)	2.25	3.65	1.00	0.92	1.54	1.82	0.83	2.71	0.69	1.09	1.78
	F (Prob)	0.01	0.58	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.01

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	85.3	70.7	74.3	68.3	62.3	57.7	69.8	85.0	80.0	82.5	100.2
2	KMH-25K55	85.7	71.3	73.7	69.0	65.0	58.3	70.5	91.3	83.0	87.2	102.0
3	KMH-3669	86.3	73.3	74.7	71.0	64.7	57.0	71.2	91.0	83.0	87.0	102.0
4	MON 31	88.0	71.0	73.7	71.0	61.3	58.0	70.5	93.3	82.3	87.8	102.5
5	Bisco 506	86.0	68.0	73.3	68.0	61.3	59.3	69.3	87.7	81.0	84.3	100.8
	CHECKS											
6	Bio 9681	83.7	69.3	74.0	66.7	62.7	-	71.3	93.7	78.0	85.8	103.8
7	Prakash	76.0	66.0	72.0	60.0	56.7	-	66.1	86.0	72.0	79.0	99.3
8	HQPM 7	85.3	69.7	74.3	-	-	-	76.4	-	81.0	81.0	111.8
9	BIO 9637	81.7	69.0	73.0	65.3	60.7	59.3	68.2	87.0	80.0	83.5	100.0
10	PMH 1	89.7	70.0	73.3	68.7	62.3	58.7	70.4	89.7	78.3	84.0	101.8
11	Seedtec 2324	85.3	72.0	73.7	68.3	63.7	60.0	70.5	86.0	79.3	82.7	101.6
12	HM 9	82.0	66.0	72.7	64.0	59.3	58.3	67.1	87.0	76.3	81.7	99.5
	Loc. Mean	84.6	69.7	73.6	67.3	61.8	58.5	70.1	88.9	79.5	83.9	102.1
	C.D. (5%)	3.82	1.84	1.86	1.93	0.88	1.54	3.88	2.70	2.81	6.53	4.75
	C.V. (%)	2.67	1.56	1.50	1.62	0.80	1.32	4.79	1.71	2.08	3.54	6.87
	F (Prob)	0.00	0.00	0.23	0.00	0.00	0.01	0.00	0.00	0.00	0.21	0.00

Table No.5 (Continued)

SL No	PEDIGREE	DAYS TO 75% DRY HUSK GOSS	KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	172.7	182.7	140.5	161.6	159.3	163.7	165.0	154.0	160.5
2	KMH-25K55	170.3	185.0	145.3	165.2	164.7	164.3	166.3	152.7	162.0
3	KMH-3669	171.7	184.0	144.0	164.0	163.7	164.3	164.3	155.0	161.8
4	MON 31	171.7	186.0	145.0	165.5	164.0	166.3	166.3	153.7	162.6
5	Bisco 506	172.0	185.0	148.3	166.7	164.3	164.3	166.3	153.3	162.1
	CHECKS									
6	Bio 9681	166.0	183.7	142.7	163.2	162.7	165.0	165.3	151.3	161.1
7	Prakash	168.0	182.7	148.3	165.5	159.3	158.3	157.7	149.3	156.2
8	HQPM 7	169.3	185.7	147.3	166.5	163.7	167.0	167.3	149.7	161.9
9	BIO 9637	169.3	182.3	148.0	165.2	159.3	162.7	162.7	152.3	159.3
10	PMH 1	167.0	182.3	149.7	166.0	159.3	161.3	160.0	151.3	158.0
11	Seedtec 2324	171.7	186.0	152.7	169.3	164.7	164.7	165.0	154.0	162.1
12	HM 9	172.0	183.0	149.0	166.0	159.3	164.3	162.7	153.7	160.0
	Loc. Mean	170.1	184.0	146.7	165.4	162.0	163.9	164.1	152.5	160.6
	C.D. (5%)	4.82	2.83	4.53	5.37	1.53	4.23	2.57	0.78	2.22
	C.V. (%)	1.67	0.91	1.82	1.48	0.56	1.52	0.93	0.30	0.96
	F (Prob)	0.12	0.05	0.00	0.36	0.00	0.03	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	124.0	100.7	116.7	112.7	102.0	104.0	110.0	125.0	122.3	123.7	136.3
2	KMH-25K55	123.3	101.3	116.3	113.0	106.0	108.3	111.4	131.0	125.7	128.3	138.2
3	KMH-3669	124.3	103.3	116.7	115.3	106.0	99.0	110.8	130.0	126.3	128.2	137.9
4	MON 31	127.0	101.0	116.7	115.7	102.0	105.0	111.2	131.0	125.3	128.2	138.4
5	Bisco 506	127.7	98.0	116.7	114.7	100.0	105.0	110.3	128.0	124.0	126.0	137.8
	CHECKS											
6	Bio 9681	124.0	99.3	116.0	114.3	102.0	-	111.1	130.7	123.3	127.0	139.0
7	Prakash	123.7	96.0	115.0	112.3	98.0	-	109.0	126.3	120.7	123.5	136.8
8	HQPM 7	127.0	99.7	117.3	-	-	-	114.7	-	128.7	128.7	147.5
9	BIO 9637	124.0	99.0	116.0	112.7	99.3	107.0	109.7	127.0	124.0	125.5	136.4
10	PMH 1	126.7	100.0	115.0	109.7	102.0	103.3	109.4	129.0	116.3	122.7	135.5
11	Seedtec 2324	125.0	102.0	117.3	113.7	103.3	110.7	112.0	126.0	124.7	125.3	138.8
12	HM 9	124.7	96.0	115.3	112.3	98.7	100.0	107.8	126.0	120.7	123.3	135.8
	Loc. Mean	125.1	99.7	116.3	113.3	101.8	104.7	110.6	128.2	123.5	125.9	138.2
	C.D. (5%)	5.64	1.84	1.58	2.32	1.58	1.80	3.04	2.53	4.96	5.03	4.37
	C.V. (%)	2.66	1.09	0.80	1.15	0.87	0.86	2.38	1.11	2.37	1.82	4.38
	F (Prob)	0.78	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.01	0.16	0.00

Table No.5 (Continued)

SL No	PEDIGREE	PLANT HEIGHT(cm) GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	131.3	173.0	155.3	166.7	167.0	165.5	159.3	127.0	165.0	172.3	155.9
2	KMH-25K55	130.7	176.3	188.0	182.5	189.0	184.0	146.7	139.7	172.5	178.5	159.3
3	KMH-3669	140.0	175.3	191.0	195.0	182.7	186.0	155.3	166.2	200.0	182.9	176.1
4	MON 31	181.3	172.3	203.3	187.3	187.3	187.6	157.0	173.2	225.0	210.9	191.5
5	Bisco 506	154.7	180.3	206.0	185.0	181.0	188.1	147.0	171.7	220.0	203.5	185.5
	CHECKS											
6	Bio 9681	145.7	154.0	185.7	175.0	171.7	171.6	140.0	138.7	185.0	-	154.6
7	Prakash	118.7	156.3	179.0	170.0	186.0	172.8	136.7	128.8	167.5	158.7	147.9
8	HQPM 7	146.3	160.7	181.7	180.0	161.0	170.8	142.3	161.7	175.0	-	159.7
9	BIO 9637	130.3	171.7	184.3	202.5	171.7	182.5	156.3	159.2	197.5	174.7	171.9
10	PMH 1	140.7	162.0	171.7	182.3	191.7	176.9	148.7	162.2	202.5	203.2	179.1
11	Seedtec 2324	132.0	150.0	171.3	190.0	193.0	176.1	137.7	151.3	185.0	176.5	162.6
12	HM 9	113.3	141.7	184.3	183.3	177.7	171.8	138.7	139.7	192.5	177.6	162.1
	Loc. Mean	138.8	164.5	183.5	183.3	180.0	177.8	147.1	151.6	190.6	183.9	167.2
	C.D. (5%)	22.73	26.00	15.05	24.58	22.05	14.69	26.52	25.77	10.75	12.46	14.83
	C.V. (%)	9.67	9.34	4.85	7.92	7.24	5.74	10.64	10.04	3.33	3.61	6.17
	F (Prob)	0.00	0.10	0.00	0.23	0.10	0.04	0.61	0.01	0.00	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	154.0	276.7	175.0	202.3	205.5	141.8	192.5	202.7	190.7	196.7	174.4
2	KMH-25K55	163.0	285.0	201.7	227.3	217.5	152.1	207.8	220.6	197.0	208.8	186.4
3	KMH-3669	187.5	303.3	208.3	238.3	217.6	160.6	219.3	238.8	210.0	224.4	197.2
4	MON 31	188.0	305.0	206.7	210.3	229.3	157.3	216.1	240.0	213.7	226.9	202.8
5	Bisco 506	169.0	305.0	211.7	210.7	227.5	160.9	214.1	236.7	208.7	222.7	198.8
	CHECKS											
6	Bio 9681	160.0	238.3	180.0	176.7	197.4	-	190.5	202.4	186.0	194.2	175.8
7	Prakash	154.5	228.3	175.0	205.0	170.9	-	186.7	212.2	170.7	191.5	169.9
8	HQPM 7	171.0	225.0	180.0	-	-	-	192.0	-	196.7	196.7	173.4
9	BIO 9637	155.0	245.0	195.0	199.7	196.2	140.0	188.5	221.3	180.7	201.0	181.2
10	PMH 1	182.0	278.3	203.3	216.7	222.7	140.0	207.2	203.2	194.3	198.8	188.6
11	Seedtec 2324	170.0	273.3	200.0	205.0	204.2	127.8	196.7	205.7	189.3	197.5	180.1
12	HM 9	171.5	255.0	181.7	202.0	201.3	117.3	188.1	204.5	190.0	197.3	174.8
	Loc. Mean	168.8	268.2	193.2	208.5	208.2	144.2	200.0	217.1	194.0	204.7	183.6
	C.D. (5%)	16.06	18.84	19.96	28.08	6.81	17.10	19.73	9.62	19.85	19.38	8.44
	C.V. (%)	5.62	4.15	6.10	7.57	1.84	5.93	8.53	2.49	6.04	4.30	6.79
	F (Prob)	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.00

Table No.5 (Continued)

EAR HEIGHT(cm)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	ZN 3 Mean
1	KMH-Super 244	48.0	90.0	67.7	91.7	64.5	74.1	57.3	57.8	90.0	75.7	70.2
2	KMH-25K55	38.3	71.7	88.0	107.5	62.3	74.0	43.3	64.2	90.0	79.2	69.2
3	KMH-3669	34.0	80.0	87.3	117.5	64.7	77.3	52.3	68.8	85.0	77.1	70.8
4	MON 31	59.3	82.0	93.3	110.0	72.7	82.7	43.0	73.3	115.0	105.2	84.1
5	Bisco 506	57.7	91.7	105.0	103.3	63.7	86.8	52.3	83.7	112.5	98.1	86.6
	CHECKS											
6	Bio 9681	50.7	73.3	90.7	95.0	66.3	76.8	42.0	57.8	85.0	-	61.6
7	Prakash	41.7	84.0	88.0	97.5	65.7	79.2	47.7	58.8	92.5	80.3	69.8
8	HQPM 7	44.7	70.3	92.3	90.0	51.3	71.3	48.0	74.2	80.0	-	67.4
9	BIO 9637	34.7	91.0	84.0	130.0	55.0	76.7	43.3	66.3	92.5	76.3	69.6
10	PMH 1	55.0	72.0	80.0	110.0	73.3	75.1	65.7	83.5	105.0	102.5	89.2
11	Seedtec 2324	50.3	81.7	90.0	112.5	71.3	81.0	38.3	75.8	102.5	95.7	78.1
12	HM 9	29.7	57.7	94.0	105.0	64.7	72.1	46.3	64.7	97.5	79.7	72.1
	Loc. Mean	45.3	78.8	88.4	105.8	64.6	77.3	48.3	69.1	95.6	87.0	74.1
	C.D. (5%)	13.19	19.17	9.84	39.85	9.33	15.30	14.50	20.29	10.44	7.69	10.79
	C.V. (%)	17.19	14.37	6.58	22.24	8.53	11.70	17.72	17.34	6.45	4.71	10.13
	F (Prob)	0.00	0.04	0.00	0.71	0.00	0.68	0.04	0.13	0.00	0.00	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : DELHI 22.2%

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	KMH-Super 244	81.0	121.7	113.3	108.3	120.7	68.5	102.3	110.0	87.3	98.7	85.1
2	KMH-25K55	72.0	116.7	123.3	109.7	118.5	71.8	102.0	140.8	118.7	129.8	88.0
3	KMH-3669	88.0	136.7	128.3	128.3	115.1	71.7	111.4	144.0	97.7	120.8	91.2
4	MON 31	89.0	135.0	125.0	100.0	122.2	65.4	106.1	141.9	94.0	117.9	94.8
5	Bisco 506	80.0	131.7	125.0	104.3	124.3	62.8	104.7	141.8	91.3	116.6	95.4
	CHECKS											
6	Bio 9681	72.5	100.0	115.0	80.3	97.5	-	93.1	106.3	79.0	92.7	79.8
7	Prakash	73.0	110.0	116.7	107.7	96.6	-	100.8	130.9	93.7	112.3	85.8
8	HQPM 7	88.0	88.3	118.3	-	-	-	98.2	-	97.7	97.7	77.6
9	BIO 9637	73.0	98.3	111.7	90.7	95.0	64.4	88.8	122.8	76.3	99.6	79.7
10	PMH 1	83.0	123.3	128.3	112.7	127.0	75.1	108.2	107.4	96.3	101.9	93.1
11	Seedtec 2324	68.5	135.0	130.0	109.3	117.1	60.7	103.4	134.1	86.0	110.1	90.4
12	HM 9	76.0	106.7	113.3	98.0	98.3	55.2	91.3	115.6	87.3	101.5	80.3
	Loc. Mean	78.7	116.9	120.7	104.5	112.0	66.2	100.9	126.9	92.1	108.3	86.8
	C.D. (5%)	8.47	23.90	15.57	19.99	3.92	6.34	12.77	10.37	26.22	25.60	6.91
	C.V. (%)	6.36	12.07	7.62	10.75	1.97	4.79	10.94	4.59	16.81	10.74	11.42
	F (Prob)	0.00	0.00	0.17	0.01	0.00	0.00	0.02	0.00	0.21	0.15	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : DELHI 22.2%

TABLE No.6
PERFORMANCE OF QPM EXPERIMENTAL HYBRIDS AT GOSSAIGAON, LUDHIANA, KARNAL, DELHI, KANPUR BAHRAICH, DHOLI, VARANASI, RANCHI, BHUBANESHWAR, ARBHAVI, KARIMNAGAR, KOLHAPUR, MANDYA, COIMBATORE, VAGARAI, BANSWARA, GODHRA IN TRIAL NO: QPM1-3 DURING RABI 2010-11

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE ZN 1 GOSS	R	LUDH	R	KARN	R	DELH	R	KANP	R	ZN 2 MEAN	R	BAHR	R	DHOL	R	VARA	R	RANC	R	BHUB	R	ZN 3 MEAN	R
1	VEHQPM 3018	3344	3	3167	4	5160	6	10003	1	8252	4	6646	3	5795	3	5232	5	9349	7	7250	2	5517	7	6629	6
2	VEHQ 3019	3244	5	2951	6	5262	5	9150	4	8143	5	6376	5	6066	1	5172	6	10629	4	6824	5	5826	5	6904	4
3	HQPM -24	1606	7	3628	3	5394	4	8805	6	7358	7	6296	6	4557	6	4211	7	9984	5	5516	7	6455	3	6145	7
4	VEHQPM 3027	3161	6	3637	2	5462	3	9656	3	8272	2	6757	2	4612	5	5699	2	11922	1	6650	6	6958	2	7168	2
	CHECKS																								
5	HQPM 1	3828	2	3829	1	5678	2	9708	2	8086	6	6825	1	5813	2	6601	1	11003	3	8737	1	5633	6	7558	1
6	HQPM 5	3971	1	2867	7	4964	7	8409	7	8505	1	6186	7	5760	4	5481	4	9522	6	7145	3	7007	1	6983	3
7	HQPM 7	3289	4	3134	5	6042	1	9038	5	8257	3	6618	4	4238	7	5647	3	11546	2	7075	4	5847	4	6871	5
	Location Mean	3206		3316		5423		9253		8125		6529		5263		5435		10565		7028		6178		6894	
	Mean Stand	22		33		102		76		104		79		60		81		111		57		98		82	
	C.D. (5%)	984		880		966		1929		901		1169		762		1284		441		1479		57		805	
	C.V. (%)	17.07		14.77		9.92		11.6		6.17		-		8.06		13.15		2.32		11.71		0.52		-	
	F (Prob)	0.433		0.104		0.024		0.154		0.117				0		0.439		0		0.027		0			
	Plot Size	9.6		5.4		18		12		14.4		-		14.4		18		14.4		11.2		14.4		-	
	AGRONOMY DATA																								
	Sowing Date	29-11		28-11		13-11		5-12		24-12		-		12-12		6-12		16-11		20-12		29-11		-	
	Harvest Date	6-06		5-06		21-05		18-06		25-05		-		6-01		-		10-05		7-06		15-04		-	
	Irrigation Nos	-		18		12		5		5		-		-		-		5		10		12		-	
	Ferilizer Applie	80		70		180		120		120		-		150		150		150		120		120		-	
	Ferilizer Applie	40		24		60		60		60		-		75		70		75		60		60		-	
	Ferilizer Applie	40		12		60		40		60		-		60		50		60		40		60		-	

TABLE No.6 (Cont..)

Sl No	PEDIGREE	GRAIN YIELD (kg/ha) AT 15% MOISTURE																			
		ARBH	R	KARI	R	KOLH	R	MAND	R	COIM	R	VAGA	R	ZN 4 MEAN	R	BANS	R	GODH	R	ZN 5 MEAN	R	OV'L MEAN	R
1	VEHQPM 3018	6676	4	6989	4	7007	2	6565	5	12737	1	3433	2	7234	2	6843	1	12380	2	9611	2	6983	3
2	VEHQ 3019	6252	6	7168	2	7420	1	7213	1	12051	4	3391	3	7249	1	5663	6	11292	5	8478	5	6873	5
3	HQPM -24	6471	5	5200	6	5531	7	6044	7	8950	7	3438	1	5939	7	-		7121	7	7121	7	5898	7
4	VEHQPM 3027	6810	2	5995	5	5954	6	6882	2	12516	3	3092	5	6875	5	5865	5	11345	4	8605	4	6916	4
	CHECKS																						
5	HQPM 1	7341	1	7151	3	6477	3	6629	4	10985	6	2997	6	6930	4	6614	3	11559	3	9086	3	7148	1
6	HQPM 5	5217	7	4996	7	6202	5	6053	6	11586	5	2226	7	6047	6	6367	4	10404	6	8385	6	6482	6
7	HQPM 7	6706	3	7334	1	6319	4	6646	3	12714	2	3243	4	7160	3	6778	2	12845	1	9811	1	7039	2
	Location Mean	6496		6405		6416		6576		11648		3117		6776		6355		10992		8674		6766	
	Mean Stand	81		72		90		84		101		64		82		90		90		90		79	
	C.D. (5%)	1966		629		930		364		1039		1075		1000		623		3906		2264		1123	
	C.V. (%)	16.84		5.46		8.07		3.08		4.96		19.18		-		5.31		19.77		-		-	
	F (Prob)	0.499		0		0.001		0		0		0.002				0.002		0.013					
	Plot Size	18		18		18		14		14.4		14.4		-		14.4		14.4		-		-	
	AGRONOMY DATA																						
	Sowing Date	3-12		5-12		31-12		14-12		4-01		8-02		-		11-12		15-11		-		-	
	Harvest Date	30-04		19-04		18-05		6-05		6-05		2-06		-		10-05		18-04		-		-	
	Irrigation Nos	6		12		-		12		10		10		-		6		10		-		-	
	Ferilizer Applie	150		240		120		150		150		200		-		150		150		-		-	
	Ferilizer Applie	75		80		60		75		75		75		-		60		60		-		-	
	Ferilizer Applie	37.5		60		40		40		75		75		-		-		-		-		-	

TABLE No.6 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HQPM 1

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	VEHQPM 3018	-	-	-	3	2.1	-	-	-	-	-	-	-
2	VEHQ 3019	-	-	-	-	0.7	-	4.3	-	-	-	3.4	-
3	HQPM -24	-	-	-	-	-	-	-	-	-	-	14.6	-
4	VEHQPM 3027	-	-	-	-	2.3	-	-	-	8.4	-	23.5	-
	CHECKS												
5	HQPM 1	-	-	-	-	-	-	-	-	-	-	-	-
6	HQPM 5	3.7	-	-	-	5.2	-	-	-	-	-	24.4	-
7	HQPM 7	-	-	6.4	-	2.1	-	-	-	4.9	-	3.8	-

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	VEHQPM 3018	-	-	8.2	-	15.9	14.6	4.4	3.5	7.1	5.8	-
2	VEHQ 3019	-	0.2	14.6	8.8	9.7	13.2	4.6	-	-	-	-
3	HQPM -24	-	-	-	-	-	14.7	-	-	-	-	-
4	VEHQPM 3027	-	-	-	3.8	13.9	3.2	-	-	-	-	-
	CHECKS											
5	HQPM 1	-	-	-	-	-	-	-	-	-	-	-
6	HQPM 5	-	-	-	-	5.5	-	-	-	-	-	-
7	HQPM 7	-	2.6	-	0.3	15.7	8.2	3.3	2.5	11.1	8	-

GRAIN YIELD % SUPERIORITY OVER THE HQPM 5

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	VEHQPM 3018	-	10.5	4	18.9	-	7.4	0.6	-	-	1.5	-	-
2	VEHQ 3019	-	2.9	6	8.8	-	3.1	5.3	-	11.6	-	-	-
3	HQPM -24	-	26.5	8.7	4.7	-	1.8	-	-	4.9	-	-	-
4	VEHQPM 3027	-	26.8	10.1	14.8	-	9.2	-	4	25.2	-	-	2.7
	CHECKS												
5	HQPM 1	-	33.5	14.4	15.4	-	10.3	0.9	20.4	15.6	22.3	-	8.2
6	HQPM 5	-	-	-	-	-	-	-	-	-	-	-	-
7	HQPM 7	-	9.3	21.7	7.5	-	7	-	3	21.3	-	-	-

TABLE No.6 (Cont..)

GRAIN YIELD % SUPERIORITY OVER THE HQPM 5

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	VEHQPM 3018	28	39.9	13	8.5	9.9	54.2	19.6	7.5	19	14.6	7.7
2	VEHQ 3019	19.8	43.5	19.6	19.2	4	52.3	19.9	-	8.5	1.1	6
3	HQPM -24	24	4.1	-	-	-	54.5	-	-	-	-	-
4	VEHQPM 3027	30.5	20	-	13.7	8	38.9	13.7	-	9	2.6	6.7
	CHECKS											
5	HQPM 1	40.7	43.1	4.4	9.5	-	34.6	14.6	3.9	11.1	8.4	10.3
6	HQPM 5	-	-	-	-	-	-	-	-	-	-	-
7	HQPM 7	28.5	46.8	1.9	9.8	9.7	45.7	18.4	6.5	23.5	17	8.6

GRAIN YIELD % SUPERIORITY OVER THE HQPM 7

Sl No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 MEAN	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 MEAN
1	VEHQPM 3018	1.6	1.1	-	10.7	-	0.4	36.7	-	-	2.5	-	-
2	VEHQ 3019	-	-	-	1.2	-	-	43.1	-	-	-	-	0.5
3	HQPM -24	-	15.8	-	-	-	-	7.5	-	-	-	10.4	-
4	VEHQPM 3027	-	16	-	6.8	0.2	2.1	8.8	0.9	3.3	-	19	4.3
	CHECKS												
5	HQPM 1	16.4	22.2	-	7.4	-	3.1	37.2	16.9	-	23.5	-	10
6	HQPM 5	20.7	-	-	-	3	-	35.9	-	-	1	19.8	1.6
7	HQPM 7	-	-	-	-	-	-	-	-	-	-	-	-

GRAIN YIELD % SUPERIORITY OVER THE HQPM 7

Sl No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 MEAN	BANS	GODH	ZN 5 MEAN	OV'L MEAN
1	VEHQPM 3018	-	-	10.9	-	0.2	5.9	1	1	-	-	-
2	VEHQ 3019	-	-	17.4	8.5	-	4.6	1.2	-	-	-	-
3	HQPM -24	-	-	-	-	-	6	-	-	-	-	-
4	VEHQPM 3027	1.6	-	-	3.6	-	-	-	-	-	-	-
	CHECKS											
5	HQPM 1	9.5	-	2.5	-	-	-	-	-	-	-	1.6
6	HQPM 5	-	-	-	-	-	-	-	-	-	-	-
7	HQPM 7	-	-	-	-	-	-	-	-	-	-	-

Table No.6 (Continued)

MOISTURE % AT HARVEST

SL No	PEDIGREE	ZN 1 GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	21.0	29.4	30.8	21.1	14.0	23.8	23.9	20.7	30.4	22.2	20.6	23.5
2	VEHQ 3019	22.2	29.4	29.3	20.4	13.3	23.1	24.0	19.3	29.7	23.0	20.7	23.3
3	HQPM -24	21.1	29.0	29.7	19.3	12.3	22.6	23.1	19.0	27.4	23.9	19.2	22.5
4	VEHQPM 3027	21.0	29.4	31.3	18.3	14.3	23.3	24.9	19.3	28.5	23.8	18.8	23.1
	CHECKS												
5	HQPM 1	19.2	29.1	30.9	21.6	13.3	23.7	24.9	19.1	27.4	22.7	19.6	22.7
6	HQPM 5	20.1	29.4	29.8	18.8	14.7	23.2	23.3	19.5	30.4	24.2	18.8	23.2
7	HQPM 7	18.6	28.8	29.2	15.7	13.7	21.8	23.9	19.9	26.9	22.7	18.3	22.3
	Loc. Mean	20.4	29.2	30.1	19.3	13.7	23.1	24.0	19.5	28.7	23.2	19.4	23.0
	C.D. (5%)	0.72	0.86	0.97	3.33	1.62	1.60	1.12	0.69	0.79	1.61	0.00	1.23
	C.V. (%)	1.98	1.65	1.82	9.71	6.65	4.66	2.62	1.99	1.55	3.90	0.00	4.09
	F (Prob)	0.00	0.55	0.00	0.03	0.12	0.20	0.02	0.00	0.00	0.14	0.00	0.35

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	26.9	18.8	15.8	16.4	23.5	26.0	21.2	15.8	18.9	17.3	22.0
2	VEHQ 3019	25.3	19.5	13.5	16.8	24.7	25.6	20.9	16.5	20.2	18.3	21.8
3	HQPM -24	21.6	20.3	14.7	15.7	19.4	21.2	18.8	-	17.3	17.3	20.8
4	VEHQPM 3027	22.9	21.2	15.1	16.6	23.0	25.4	20.7	15.6	17.6	16.6	21.5
	CHECKS											
5	HQPM 1	23.1	20.3	15.2	16.6	23.9	23.3	20.4	16.4	19.2	17.8	21.4
6	HQPM 5	25.4	19.7	15.0	16.8	24.8	22.5	20.7	16.4	18.2	17.3	21.5
7	HQPM 7	21.4	19.6	15.9	16.3	20.5	23.8	19.6	16.1	17.6	16.8	20.5
	Loc. Mean	23.8	19.9	15.0	16.5	22.8	23.9	20.3	16.1	18.4	17.3	21.4
	C.D. (5%)	1.53	0.00	0.84	0.44	2.04	0.93	1.59	0.52	3.08	2.09	0.78
	C.V. (%)	3.63	0.00	3.13	1.49	5.02	2.18	6.62	1.64	9.41	4.94	5.55
	F (Prob)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.41	0.54	0.00

Table No.6 (Continued)

STAND AT HARVEST ('000/ha)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	25.3	53.7	53.9	47.5	72.2	56.8	41.0	43.0	75.0	52.4	68.3	55.9
2	VEHQ 3019	24.3	61.1	54.6	61.1	71.8	62.2	44.4	45.2	78.7	58.9	69.0	59.2
3	HQPM -24	30.6	70.4	56.3	69.4	72.0	67.0	40.0	48.1	78.9	52.7	67.1	57.4
4	VEHQPM 3027	13.5	61.7	55.9	55.3	72.5	61.3	39.6	42.6	75.7	46.7	66.2	54.2
	CHECKS												
5	HQPM 1	21.2	61.1	59.4	64.7	72.0	64.3	42.4	43.1	76.2	48.8	68.3	55.8
6	HQPM 5	21.2	63.0	58.1	71.1	72.5	66.2	41.4	48.9	77.8	50.9	69.0	57.6
7	HQPM 7	22.9	56.2	58.0	76.4	72.2	65.7	42.4	45.0	78.0	48.8	68.1	56.4
	Loc. Mean	22.7	61.0	56.6	63.7	72.2	63.4	41.6	45.1	77.2	51.3	68.0	56.6
	C.D. (5%)	13.73	16.38	2.18	10.08	0.77	7.67	2.98	11.53	5.24	8.18	2.24	2.54
	C.V. (%)	33.97	15.09	2.16	8.90	0.60	8.15	4.03	14.36	3.82	8.96	1.85	3.44
	F (Prob)	0.31	0.47	0.00	0.00	0.44	0.14	0.06	0.83	0.57	0.11	0.16	0.01

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	45.7	30.2	50.2	61.0	70.6	41.7	49.9	62.3	52.5	57.4	54.2
2	VEHQ 3019	52.6	43.9	60.6	60.5	70.4	53.0	56.8	61.8	59.5	60.6	59.2
3	HQPM -24	46.1	42.6	55.2	61.2	70.1	48.4	53.9	-	82.6	82.6	60.1
4	VEHQPM 3027	32.8	37.6	33.9	59.3	70.4	33.1	44.5	61.6	48.6	55.1	52.6
	CHECKS											
5	HQPM 1	40.0	44.3	49.4	59.5	70.4	46.5	51.7	61.8	62.7	62.3	57.1
6	HQPM 5	50.2	40.4	52.0	59.3	70.6	44.7	52.9	61.8	75.0	68.4	59.2
7	HQPM 7	47.0	40.0	49.6	61.2	70.6	44.4	52.2	66.4	57.9	62.2	57.8
	Loc. Mean	44.9	39.8	50.1	60.3	70.4	44.5	51.7	62.6	62.7	64.1	57.2
	C.D. (5%)	10.96	2.50	8.54	2.56	0.85	3.59	4.89	3.55	4.78	15.19	3.18
	C.V. (%)	13.72	3.53	9.57	2.39	0.68	4.53	8.03	2.88	4.29	9.68	8.17
	F (Prob)	0.03	0.00	0.00	0.40	0.87	0.00	0.00	0.05	0.00	0.05	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : GOSSAIGAON 34.0%

Table No.6 (Continued)

GRAIN SHELLING %

SL No	PEDIGREE	GOSS	KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	79.8	77.4	74.5	75.9	74.7	78.2	80.0	89.4	77.0	79.9
2	VEHQ 3019	79.1	77.6	73.7	75.6	76.7	80.0	80.0	81.7	78.3	79.3
3	HQPM -24	79.7	78.3	73.0	75.7	75.7	81.7	77.5	85.1	79.6	79.9
4	VEHQPM 3027	79.3	77.7	74.0	75.9	73.4	79.5	80.5	85.4	76.6	79.1
	CHECKS										
5	HQPM 1	82.0	77.3	74.3	75.8	78.1	89.5	78.0	89.4	79.3	82.9
6	HQPM 5	82.7	78.2	74.7	76.4	73.4	87.1	76.8	87.2	78.3	80.6
7	HQPM 7	79.1	76.7	74.0	75.4	74.0	81.4	77.0	85.4	76.7	78.9
	Loc. Mean	80.2	77.6	74.0	75.8	75.1	82.5	78.5	86.2	78.0	80.1
	C.D. (5%)	0.61	1.19	1.72	1.55	2.03	4.44	1.11	3.80-		3.14
	C.V. (%)	0.43	0.86	1.30	0.83	1.52	3.02	0.80	2.48-		3.00
	F (Prob)	0.00	0.15	0.45	0.77	0.00	0.00	0.00	0.01	0.00	0.20

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	82.7	74.7	81.2	78.6	75.6	73.8	77.8	76.6	82.6	79.6	78.5
2	VEHQ 3019	84.0	75.9	81.7	80.0	77.5	73.3	78.7	76.2	79.3	77.7	78.4
3	HQPM -24	82.3	72.5	80.3	79.9	78.0	71.7	77.4	-	83.6	83.6	78.6
4	VEHQPM 3027	81.7	76.2	80.6	80.8	75.5	72.4	77.9	74.8	80.4	77.6	78.0
	CHECKS											
5	HQPM 1	83.3	77.6	81.5	80.3	76.3	75.7	79.1	76.6	83.1	79.8	80.1
6	HQPM 5	84.0	52.9	81.5	81.6	76.7	73.3	75.0	74.5	84.6	79.6	78.0
7	HQPM 7	81.6	77.5	80.5	78.0	77.1	75.1	78.3	76.7	79.6	78.1	78.1
	Loc. Mean	82.8	72.5	81.0	79.9	76.6	73.6	77.7	75.9	81.9	79.4	78.5
	C.D. (5%)	1.75	0.00	1.28	1.55	1.86	1.07	4.49	1.28	5.99	5.56	1.95
	C.V. (%)	1.19	0.00	0.89	1.09	1.37	0.82	4.89	0.86	4.11	2.86	3.54
	F (Prob)	0.05	0.00	0.16	0.00	0.09	0.00	0.62	0.00	0.38	0.28	0.34

Table No.6 (Continued)

DAYS TO 50% POLLEN SHED

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	122.3	142.0	152.0	130.7	106.0	132.7	126.7	125.0	132.0	106.0	78.0	113.5
2	VEHQ 3019	123.7	142.0	148.7	131.3	106.7	132.2	123.7	127.3	131.0	105.7	77.0	112.9
3	HQPM -24	120.3	140.7	147.7	125.0	108.0	130.3	122.3	122.0	123.3	101.3	76.0	109.0
4	VEHQPM 3027	121.7	142.0	148.7	128.0	111.0	132.4	124.3	125.3	125.0	103.0	77.7	111.1
	CHECKS												
5	HQPM 1	119.7	141.7	148.3	129.0	107.7	131.7	124.0	124.0	124.0	102.0	78.0	110.4
6	HQPM 5	119.7	141.7	149.7	130.3	110.3	133.0	125.7	125.0	127.7	105.3	77.3	112.2
7	HQPM 7	120.7	142.3	147.7	125.0	111.0	131.5	123.3	125.7	124.3	102.7	76.3	110.5
	Loc. Mean	121.1	141.8	149.0	128.5	108.7	132.0	124.3	124.9	126.8	103.7	77.2	111.4
	C.D. (5%)	4.67	2.63	2.34	2.40	2.01	2.79	2.21	2.94	1.64	1.35	1.57	1.93
	C.V. (%)	2.17	1.04	0.88	1.05	1.04	1.42	1.00	1.32	0.73	0.73	1.14	1.33
	F (Prob)	0.49	0.87	0.02	0.00	0.00	0.52	0.02	0.05	0.00	0.00	0.09	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	83.7	71.7	76.3	72.3	65.3	56.3	70.9	86.0	93.0	89.5	101.4
2	VEHQ 3019	83.0	71.0	77.0	73.3	64.7	56.0	70.8	83.3	90.3	86.8	100.9
3	HQPM -24	60.0	70.7	72.0	66.0	58.0	57.3	64.0	-	88.3	88.3	97.6
4	VEHQPM 3027	81.7	72.3	72.0	69.7	63.0	57.0	69.3	79.3	89.7	84.5	99.5
	CHECKS											
5	HQPM 1	81.0	70.7	71.3	69.0	63.3	57.7	68.8	82.3	88.0	85.2	99.0
6	HQPM 5	82.7	71.3	74.3	69.0	62.3	56.7	69.4	80.7	91.3	86.0	100.1
7	HQPM 7	80.0	71.3	72.0	68.0	62.3	57.0	68.4	81.7	88.3	85.0	98.9
	Loc. Mean	78.9	71.3	73.6	69.6	62.7	56.9	68.8	82.2	89.9	86.5	99.6
	C.D. (5%)	23.22	2.14	1.60	1.93	1.22	1.56	3.95	1.17	1.19	6.12	1.88
	C.V. (%)	16.55	1.69	1.22	1.56	1.09	1.54	4.87	0.73	0.74	2.89	2.86
	F (Prob)	0.35	0.64	0.00	0.00	0.00	0.34	0.02	0.00	0.00	0.45	0.00

Table No.6 (Continued)

DAYS TO 50% SILKING

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	126.7	144.7	154.0	133.0	112.0	135.9	128.7	126.7	136.7	109.7	80.3	116.4
2	VEHQ 3019	128.3	145.0	151.3	133.3	112.7	135.6	125.7	128.7	134.3	110.3	79.7	115.7
3	HQPM -24	122.7	145.0	150.0	126.3	114.0	133.8	124.3	123.7	128.3	105.3	78.3	112.0
4	VEHQPM 3027	124.7	144.7	151.0	130.0	117.0	135.7	126.3	127.3	129.7	107.7	79.7	114.1
	CHECKS												
5	HQPM 1	123.0	144.0	151.0	130.7	113.7	134.8	126.7	125.0	128.7	106.0	80.3	113.3
6	HQPM 5	122.3	144.7	152.7	132.3	116.3	136.5	127.7	126.7	132.0	109.3	79.0	114.9
7	HQPM 7	123.3	145.7	150.3	126.7	117.3	135.0	125.3	127.7	129.7	107.0	78.7	113.7
	Loc. Mean	124.4	144.8	151.5	130.3	114.7	135.3	126.4	126.5	131.3	107.9	79.4	114.3
	C.D. (5%)	4.14	1.65	1.91	2.22	1.87	2.99	2.28	2.90	1.95	1.65	1.26	1.84
	C.V. (%)	1.87	0.64	0.71	0.96	0.92	1.49	1.01	1.29	0.84	0.86	0.89	1.23
	F (Prob)	0.06	0.53	0.01	0.00	0.00	0.63	0.02	0.04	0.00	0.00	0.03	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	88.7	73.7	77.3	76.3	69.0	59.0	74.0	90.0	99.0	94.5	104.7
2	VEHQ 3019	87.7	73.0	78.3	77.0	67.3	58.0	73.6	86.3	97.7	92.0	104.1
3	HQPM -24	82.0	72.7	73.0	68.0	59.7	59.3	69.1	-	93.3	93.3	101.5
4	VEHQPM 3027	85.0	74.3	73.0	72.0	65.7	59.3	71.6	83.3	95.3	89.3	102.6
	CHECKS											
5	HQPM 1	83.0	72.3	72.3	71.0	65.3	60.3	70.7	86.3	94.0	90.2	101.9
6	HQPM 5	87.3	74.7	75.7	72.3	65.7	58.7	72.4	84.7	97.3	91.0	103.3
7	HQPM 7	82.3	73.7	73.0	69.3	65.0	59.7	70.5	85.7	95.7	90.7	102.0
	Loc. Mean	85.1	73.5	74.7	72.3	65.4	59.2	71.7	86.1	96.0	91.6	102.9
	C.D. (5%)	1.38	1.99	1.50	1.50	1.11	1.68	2.11	1.17	1.79	7.46	1.52
	C.V. (%)	0.91	1.52	1.13	1.17	0.95	1.59	2.50	0.69	1.05	3.33	2.23
	F (Prob)	0.00	0.19	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.65	0.00

Table No.6 (Continued)

DAYS TO 75% DRY HUSK

SL No	PEDIGREE	GOSS	KARN	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	178.0	187.3	149.5	168.4	162.3	169.0	170.3	152.7	118.0	154.5
2	VEHQ 3019	178.3	187.7	152.3	170.0	159.7	169.3	171.0	148.7	116.0	152.9
3	HQPM -24	176.0	186.0	153.3	169.7	159.3	168.0	171.0	150.7	120.0	153.8
4	VEHQPM 3027	177.7	187.0	155.7	171.3	163.0	172.0	170.0	151.7	121.7	155.7
	CHECKS										
5	HQPM 1	177.3	185.7	148.7	167.2	162.3	169.3	170.3	153.3	121.0	155.3
6	HQPM 5	176.3	181.0	153.7	167.3	159.7	169.0	169.0	151.7	118.3	153.5
7	HQPM 7	177.0	186.0	154.0	170.0	162.7	168.0	169.3	152.7	118.7	154.3
	Loc. Mean	177.2	185.8	152.5	169.1	161.3	169.2	170.1	151.6	119.1	154.3
	C.D. (5%)	1.80	3.67	4.87	6.31	0.91	2.78	2.18	0.95	1.75	1.69
	C.V. (%)	0.57	1.11	1.79	1.53	0.32	0.92	0.72	0.35	0.83	0.84
	F (Prob)	0.12	0.03	0.08	0.65	0.00	0.11	0.38	0.00	0.00	0.04

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	ZN 4 VAGA	Mean	ZN 5 BANS	GODH	OV'L Mean	Mean
1	VEHQPM 3018	130.0	100.7	120.3	112.0	108.0	100.3	111.9	127.3	134.3	130.8	138.8
2	VEHQ 3019	128.3	100.0	121.3	111.7	108.0	99.7	111.5	125.3	130.0	127.7	138.0
3	HQPM -24	127.7	99.7	116.3	110.0	101.0	100.0	109.1	-	125.0	125.0	137.6
4	VEHQPM 3027	131.0	101.3	116.0	111.3	105.7	101.7	111.2	124.3	124.3	124.3	138.4
	CHECKS											
5	HQPM 1	128.7	99.3	115.0	112.0	105.0	101.0	110.2	126.7	126.3	126.5	137.6
6	HQPM 5	127.7	101.7	119.3	111.0	106.3	99.7	110.9	126.7	130.3	128.5	137.6
7	HQPM 7	127.3	100.7	115.7	110.0	104.7	97.0	109.2	125.0	123.0	124.0	137.0
	Loc. Mean	128.7	100.5	117.7	111.1	105.5	99.9	110.6	125.9	127.6	126.7	137.8
	C.D. (5%)	3.13	1.99	2.81	1.81	1.01	2.47	1.71	2.63	6.94	5.66	1.55
	C.V. (%)	1.37	1.11	1.34	0.92	0.54	1.39	1.31	1.06	3.06	1.83	1.60
	F (Prob)	0.18	0.19	0.00	0.13	0.00	0.03	0.01	0.12	0.04	0.17	0.34

Table No.6 (Continued)

PLANT HEIGHT(cm)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	150.0	130.7	156.0	195.0	147.0	157.2	137.3	171.7	180.0	184.9	204.7	175.7
2	VEHQ 3019	143.3	141.7	197.7	205.0	160.0	176.1	157.7	176.7	185.0	186.2	200.7	181.2
3	HQPM -24	131.3	125.7	143.3	210.0	179.7	164.7	146.0	146.2	165.0	182.2	187.7	165.4
4	VEHQPM 3027	142.7	133.3	158.3	230.0	188.0	177.4	146.3	170.2	177.5	177.4	186.6	171.6
	CHECKS												
5	HQPM 1	138.3	126.3	186.7	215.0	185.7	178.4	155.7	167.5	172.5	187.6	180.7	172.8
6	HQPM 5	141.7	135.0	164.3	225.0	176.0	175.1	132.0	167.5	172.5	200.6	204.5	175.4
7	HQPM 7	124.0	131.3	140.7	205.0	180.7	164.4	141.3	167.0	172.5	195.7	175.4	170.4
	Loc. Mean	138.8	132.0	163.9	212.1	173.9	170.5	145.2	166.7	175.0	187.8	191.4	173.2
	C.D. (5%)	18.16	18.22	16.55-		13.27	20.65	26.02	14.23	4.95	27.18	9.28	11.33
	C.V. (%)	7.36	7.76	5.68-		4.29	8.15	10.07	4.80	1.59	8.14	2.73	5.01
	F (Prob)	0.12	0.56	0.00-		0.00	0.26	0.37	0.01	0.00	0.58	0.00	0.18

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	COIM	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	191.5	288.3	201.7	214.7	212.7	141.8	208.4	212.7	237.7	225.2	186.6
2	VEHQ 3019	195.5	290.0	190.0	217.7	212.3	145.1	208.4	213.0	225.7	219.3	191.3
3	HQPM -24	188.5	260.0	170.0	209.0	200.0	124.9	192.1	-	196.7	196.7	174.5
4	VEHQPM 3027	173.0	286.7	196.7	201.3	205.8	153.0	202.7	223.5	209.3	216.4	186.6
	CHECKS											
5	HQPM 1	190.5	281.7	183.3	203.0	194.4	146.1	199.8	207.4	195.0	201.2	184.3
6	HQPM 5	199.5	296.7	196.7	211.0	199.9	124.7	204.7	226.8	213.7	220.3	188.2
7	HQPM 7	201.5	256.7	186.7	221.3	212.9	146.7	204.3	196.6	200.0	198.3	180.9
	Loc. Mean	191.4	280.0	189.3	211.1	205.4	140.3	202.9	213.3	211.1	211.0	184.6
	C.D. (5%)	15.48	20.30	26.81	12.14	8.84	10.86	11.58	4.96	26.58	25.69	7.26
	C.V. (%)	4.55	4.07	7.96	3.23	2.42	4.35	4.84	1.18	7.08	4.97	5.95
	F (Prob)	0.03	0.01	0.26	0.03	0.00	0.00	0.10	0.00	0.03	0.14	0.00

Table No.6 (Continued)

EAR HEIGHT(cm)

SL No	PEDIGREE	GOSS	LUDH	KARN	DELH	KANP	ZN 2 Mean	BAHR	DHOL	VARA	RANC	BHUB	ZN 3 Mean
1	VEHQPM 3018	49.7	63.7	74.7	130.0	45.0	78.3	54.7	82.0	90.0	95.2	101.8	84.7
2	VEHQ 3019	49.3	68.0	105.7	120.0	57.7	87.8	60.0	88.7	102.5	107.7	105.6	92.9
3	HQPM -24	42.3	60.7	57.7	100.0	64.7	70.8	46.3	69.5	82.5	85.0	89.3	74.5
4	VEHQPM 3027	41.7	64.0	63.3	100.0	71.0	74.6	48.7	70.7	95.0	91.4	83.8	77.9
	CHECKS												
5	HQPM 1	38.3	43.3	82.4	125.0	61.3	78.0	54.3	68.8	75.0	88.3	79.2	73.1
6	HQPM 5	52.7	63.3	92.0	145.0	63.0	90.8	66.7	79.2	92.5	100.7	107.0	89.2
7	HQPM 7	30.3	55.3	66.0	110.0	71.0	75.6	40.3	74.0	87.5	94.8	83.1	75.9
	Loc. Mean	43.5	59.8	77.4	118.6	62.0	79.4	53.0	76.1	89.3	94.7	92.8	81.2
	C.D. (5%)	16.35	17.44	13.53	-	9.48	19.21	14.75	19.19	5.66	11.94	8.52	6.69
	C.V. (%)	21.13	16.40	9.82	-	8.61	16.28	15.64	14.17	3.56	7.08	5.16	6.32
	F (Prob)	0.12	0.13	0.00	-	0.00	0.32	0.03	0.28	0.00	0.02	0.00	0.00

SL No	PEDIGREE	ARBH	KARI	KOLH	MAND	VAGA	ZN 4 Mean	BANS	GODH	ZN 5 Mean	OV'L Mean
1	VEHQPM 3018	98.0	141.7	131.7	106.0	75.1	110.5	134.6	136.7	135.7	97.5
2	VEHQ 3019	105.0	150.0	121.7	110.0	83.9	114.1	144.1	119.3	131.7	103.1
3	HQPM -24	88.0	115.0	106.7	104.3	71.1	97.0	-	96.3	96.3	82.5
4	VEHQPM 3027	85.0	115.0	111.7	93.7	75.5	96.2	138.5	93.7	116.1	87.6
	CHECKS										
5	HQPM 1	85.0	108.3	116.7	99.3	76.5	97.2	136.2	90.3	113.3	86.9
6	HQPM 5	103.0	150.0	135.0	107.0	77.6	114.5	121.0	117.0	119.0	101.2
7	HQPM 7	99.0	128.3	120.0	106.3	84.4	107.6	113.4	95.3	104.4	89.3
	Loc. Mean	94.7	129.8	120.5	103.8	77.7	105.3	131.3	107.0	116.6	92.6
	C.D. (5%)	2.60	26.53	19.76	12.80	7.93	9.13	3.83	20.86	34.99	6.79
	C.V. (%)	1.55	11.49	9.22	6.93	5.73	6.64	1.48	10.96	12.26	10.44
	F (Prob)	0.00	0.02	0.08	0.19	0.03	0.00	0.00	0.00	0.23	0.00

Locations Rejected due to High C.V.(i.e.> 20%) : GOSSAIGAON 21.1%

AGRONOMY

RABI 2010-2011

Agronomy report

Rabi 2010-11

The salient achievements of co-ordinated agronomic trials conducted during rabi 2010-11 at different centers of AICRP on maize are summarized in this section. The trials were mainly focused on genotypic response to nutrients, plant geometry, nutrient management, weed management, bio-fertilizer, inbred seed production technologies, crop establishment methods and site-specific nutrient management (SSNM) in maize and maize based cropping system under different agro-ecologies.

During winter 2010-11 the nutrients x genotypes trials were conducted with genotypes of full season maturity in Zone-II at Delhi, Karnal, Ludhiana, Zone-III at Bahraich and Varanasi and Zone-IV at Arabhavi, Hyderabad, Karimnagar and Kolhapur and zone-V at Banswara, Godhra and Udaipur. The genotypes of different maturity groups were evaluated under 3 fertility levels i.e. $N:P_2O_5:K_2O$ 100:50:50, 150:65:65 and 200:80:80 in all these four zones.

Relative performance of pre-release full season germplasm under various NPK levels summarized in different agro-ecologies (Table 1, 2 and 3). Irrespective of the nutrient levels, among the late maturity genotypes, the yield performance of VEHQPM 3018 was superior at Bahraich (Z-III) and Karnal (Z-I) over the best check. At Karnal (Z-I), Kolhapur, Arabhavi and Hyderabad (Z-IV) yield performance of KMH-Super 244 was superior over best check while KMH-25K55 was out yielded at Arabhavi and Hyderabad (Z-IV). The genotype Bisco-506 performed better over best check at Bahraich, Karnal and Varanasi while KMH-3669 was inferior at all the locations. Response of maize genotype to $N:P_2O_5:K_2O$ levels (200:80:80) was significantly higher over 100:50:50 at all the locations which was also on par to 150:65:65 at Banswara, Kolhapur, Karnal, Varanasi and Ludhiana and significantly higher at all other locations.

The performance of test entry VEHQPM 3018 was superior at Bahraich (Z-III) and Karnal (Z-I) over the best check. At Karnal (Z-I), Kolhapur, Arabhavi and Hyderabad (Z-IV) yield performance of KMH-Super 244 was superior over best check while KMH-25K55 was out yielded at Arabhavi and Hyderabad (Z-IV). The genotype Bisco-506 performed better over best check at Bahraich, Karnal and Varanasi while KMH-3669 was inferior at all the locations. Response of maize genotype to $N:P_2O_5:K_2O$ levels (200:80:80) was significantly higher over 100:50:50 at all the locations which was also on par to 150:65:65 at Banswara, Kolhapur, Karnal, Varanasi and Ludhiana and significantly higher at all other locations.

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Table 1 - Relative performance of pre-release full season germplasm under various NPK levels at different location.

Main Plot	Sub Plot	Grain yield (kg/ha)					
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Bahraich	Banswara	Godhra	Udaipur	Kolhapur	Hyderabad
100:50:50	KMH-Super 244	5764	7444	5607	4004	9803	6304
	BIO 9637	5563	8417	6904	3723	9267	6978
	KMH-25K55	5833	8194	5389	3338	9556	7947
	KMH-3669	5674	8278	4078	2736	6100	6473
	SeedTech 2324	5889	6417	3711	3237	7403	7085
	Bisco 506	5938	7083	6127	3536	8978	6953
	VEHQPM 3018	6056	7667	3989	2522	6581	7284
150:65:65	KMH-Super 244	7063	7667	6196	4519	11814	6817
	BIO 9637	7014	9639	8440	4247	10233	7161
	KMH-25K55	7056	9167	5744	3823	10264	8004
	KMH-3669	6708	8139	5644	3129	5019	7022
	SeedTech 2324	7028	7778	5200	3636	8097	7120
	Bisco 506	7528	8417	8324	3922	9658	6821
	VEHQPM 3018	7556	7861	5156	2978	8669	7682
200:80:80	KMH-Super 244	8708	7744	7600	4625	12675	7289
	BIO 9637	8118	9500	9551	4337	11858	7419
	KMH-25K55	8639	9806	6789	4021	11358	8101
	KMH-3669	8104	8722	6189	3333	6833	6973
	SeedTech 2324	8736	7722	6022	3859	7081	7262
	Bisco 506	9424	8444	9162	4046	10444	7465
	VEHQPM 3018	9458	8278	6422	3144	9936	8062
Location mean		7231.2	8208.7	6297.4	3653.1	9125.1	7248.6
C.D.(5%) AiBj-AiBk		418.0	1002.9	868.2	554.7	1722.6	372.1
C.D.(5%) AiBk-AjBk		409.0	1073.8	1050.2	518.6	2106.4	408.8
F(5%)		s	n.s.	n.s.	n.s.	n.s.	s
100:50:50		5816	7643	5115	3299	8241	7003
150:65:65		7136	8381	6386	3751	9108	7232
200:80:80		8741	8602	7391	3909	10027	7510
C.D.(5%) Ai-Aj		137.1	556.5	694.0	75.0	1412.5	226.8
C.V.(%) Error A		2.2	7.9	12.9	2.4	18.1	3.7
F(5%)		s	s	s	s	n.s.	s
KMH-Super 244		7178	7619	6467	4383	11431	6803
BIO 9637		6898	9185	8299	4102	10453	7186
KMH-25K55		7176	9056	5974	3727	10393	8017
KMH-3669		6829	8380	5304	3066	5984	6823
SeedTech 2324		7218	7306	4978	3577	7527	7156
Bisco 506		7630	7981	7871	3835	9694	7080
VEHQPM 3018		7690	7935	5189	2881	8395	7676
C.D.(5%)Bi-Bj		241.3	579.0	501.3	320.2	994.5	214.9
C.V.(%)ErrorB		3.5	7.4	8.3	9.2	11.4	3.1
F(5%)		s	s	s	s	s	s

Cont…

A – 2

Main Plot	Sub Plot	Grain yield (kg/ha)				Stover yield (kg/ha)		
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Delhi	Karnal	Varanasi	Karimnagar	Godhra	Delhi	Hyderabad
100:50:50	KMH-Super 244	7520	6695	11036	3709	6178	8702	5318
	BIO 9637	7191	6228	10538	4616	7578	8502	4846
	KMH-25K55	6151	6165	10844	4321	5933	7431	5942
	KMH-3669	6627	6525	10058	3231	4467	7956	4887
	SeedTech 2324	8653	5495	10000	4223	4222	9929	6744
	Bisco 506	7689	7045	12751	4050	7178	9111	5195
	VEHQPM 3018	7924	6999	7880	3733	4400	9876	6745
150:65:65	KMH-Super 244	8676	8315	11716	4720	6822	9902	5813
	BIO 9637	8187	7769	11987	5701	10133	9391	5288
	KMH-25K55	6982	7520	11929	5443	6511	8542	6301
	KMH-3669	7413	7841	11680	4391	6578	8840	5201
	SeedTech 2324	9262	6655	11302	5545	6267	10644	7254
	Bisco 506	8169	8773	13640	5248	9444	10053	5946
	VEHQPM 3018	8471	8442	8507	4918	6178	11213	7165
200:80:80	KMH-Super 244	9382	8943	11942	6060	9133	10502	5934
	BIO 9637	8796	8321	12440	6749	11422	10022	5628
	KMH-25K55	7653	8178	11716	6518	8933	9187	6553
	KMH-3669	7858	8495	12587	6046	8333	9369	5651
	SeedTech 2324	9720	7342	12111	7303	8356	11022	7332
	Bisco 506	8489	9390	14996	6492	12222	10458	6211
	VEHQPM 3018	8871	9324	9280	6130	8667	11747	7364
Location mean		8080.2	7640.9	11378.0	5197.5	7569.3	9638.1	6062.8
C.D.(5%) AiBj-AiBk		891.0	910.0	1188.1	642.0	1080.8	566.5	498.5
C.D.(5%) AiBk-AjBk		852.3	1121.7	1345.2	651.7	1317.2	612.0	478.5
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		7394	6450	10444	3983	5708	8787	5668
150:65:65		8166	7902	11537	5138	7419	9798	6138
200:80:80		8681	8570	12153	6471	9581	10330	6382
C.D.(5%) Ai-Aj		222.2	760.0	797.2	276.2	879.4	325.4	130.8
C.V.(%) Error A		3.2	11.6	8.2	6.2	13.6	3.9	2.5
F(5%)		s	s	s	s	s	s	s
KMH-Super 244		8526	7984	11564	4830	7378	9702	5688
BIO 9637		8058	7439	11655	5689	9711	9305	5254
KMH-25K55		6929	7288	11496	5427	7126	8387	6265
KMH-3669		7299	7620	11442	4556	6459	8721	5246
SeedTech 2324		9212	6497	11138	5690	6281	10532	7110
Bisco 506		8116	8403	13796	5263	9615	9874	5784
VEHQPM 3018		8422	8255	8556	4927	6415	10945	7091
C.D.(5%)Bi-Bj		514.4	525.4	686.0	370.7	624.0	327.0	287.8
C.V.(%)ErrorB		6.7	7.2	6.3	7.5	8.6	3.5	5.0
F(5%)		s	s	s	s	s	s	s

Cont…

A – 3

Main Plot	Sub Plot	Cob yield (kg/ha)					
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Banswara	Udaipur	Kolhapur	Karimnagar	Karnal	Hyderabad
100:50:50	KMH-Super 244	10356	4989	12581	5134	9500	8121
	BIO 9637	10953	4573	11800	6267	8833	9029
	KMH-25K55	11575	4204	12150	5683	8667	9874
	KMH-3669	10953	3377	7803	4588	9233	8621
	SeedTech 2324	8808	4071	10606	5689	7667	8758
	Bisco 506	10144	4411	11339	5402	10033	9066
	VEHQPM 3018	10667	3225	8478	4988	9833	9051
150:65:65	KMH-Super 244	10422	5633	15114	6437	11733	8789
	BIO 9637	12272	5207	13183	7512	10900	9122
	KMH-25K55	11750	4790	13014	7078	10667	10001
	KMH-3669	11006	3832	6403	6071	11100	8828
	SeedTech 2324	11111	4573	10397	7329	9500	9134
	Bisco 506	11139	4889	12336	6705	12433	8852
	VEHQPM 3018	10694	3858	11461	6434	12067	9478
200:80:80	KMH-Super 244	10739	5770	16142	7928	12667	9124
	BIO 9637	12111	5310	15069	8792	11833	9786
	KMH-25K55	12472	5043	13944	8299	11667	10061
	KMH-3669	11497	4087	8761	8151	12067	9037
	SeedTech 2324	10569	4849	8989	9498	10333	9999
	Bisco 506	11178	5168	13389	8055	13367	8653
	VEHQPM 3018	11056	3978	12669	7892	13133	10093
Location mean		11022.5	4564.2	11696.6	6853.8	10820.6	9213.2
C.D.(5%) AiBj-AiBk		1136.4	684.1	2187.3	731.5	1285.6	561.4
C.D.(5%) AiBk-AjBk		1171.6	636.6	2797.7	737.7	1574.0	636.5
F(5%)		n.s.	n.s.	s	n.s.	n.s.	s
100:50:50		10494	4122	10679	5393	9110	8932
150:65:65		11199	4683	11701	6795	11200	9172
200:80:80		11375	4886	12709	8374	12152	9536
C.D.(5%) Ai-Aj		532.8	66.9	1978.4	302.6	1057.2	378.2
C.V.(%) Error A		5.6	1.7	19.7	5.2	11.4	4.8
F(5%)		s	S	n.s.	s	s	s
KMH-Super 244		10506	5464	14612	6499	11300	8678
BIO 9637		11779	5030	13351	7524	10522	9312
KMH-25K55		11932	4679	13036	7020	10333	9978
KMH-3669		11152	3766	7656	6270	10800	8829
SeedTech 2324		10163	4498	9997	7505	9167	9297
Bisco 506		10820	4823	12355	6721	11944	8857
VEHQPM 3018		10806	3687	10869	6438	11678	9541
C.D.(5%)Bi-Bj		656.1	395.0	1262.9	422.4	742.3	324.1
C.V.(%)ErrorB		6.2	9.0	11.3	6.4	7.2	3.7
F(5%)		s	S	s	s	s	s

Cont…

A – 4

Main Plot	Sub Plot	Plant stand ('000/ha)					
$N:P_2O_5:K_2O$ (Kg/ha) level	Genotype	Bahraich	Banswara	Godhra	Udaipur	Kolhapur	Delhi
100:50:50	KMH-Super 244	78.5	80.6	58.4	37.8	60.3	65.8
	BIO 9637	77.1	82.2	61.1	35.0	51.7	65.3
	KMH-25K55	78.5	83.3	57.1	38.9	63.6	65.8
	KMH-3669	77.8	82.5	59.1	35.0	24.4	64.4
	SeedTech 2324	79.2	81.9	55.1	33.3	30.3	64.0
	Bisco 506	77.8	81.9	59.6	33.3	52.2	64.4
	VEHQPM 3018	79.2	83.3	57.3	35.6	53.9	65.3
150:65:65	KMH-Super 244	77.1	83.3	59.8	40.0	59.4	66.2
	BIO 9637	77.8	82.2	63.6	35.6	53.3	65.8
	KMH-25K55	77.8	82.8	57.3	40.0	58.6	65.8
	KMH-3669	76.4	82.5	58.2	35.0	16.7	66.2
	SeedTech 2324	75.0	81.9	56.2	33.9	28.1	64.9
	Bisco 506	75.7	82.2	61.3	33.3	53.9	67.1
	VEHQPM 3018	77.1	82.8	57.8	36.7	53.6	68.4
200:80:80	KMH-Super 244	75.7	83.3	61.1	40.0	59.4	65.8
	BIO 9637	73.6	83.3	61.6	35.0	55.3	65.3
	KMH-25K55	77.1	82.8	58.7	38.9	60.8	66.7
	KMH-3669	81.3	80.6	59.3	35.0	23.6	67.6
	SeedTech 2324	75.7	83.3	58.7	33.3	25.3	65.3
	Bisco 506	79.9	83.3	61.6	35.0	53.3	68.0
	VEHQPM 3018	79.9	82.2	58.4	36.7	54.4	68.9
Location mean		77.5	82.5	59.1	36.1	47.2	66.1
C.D.(5%) AiBj-AiBk		4.0	2.1	2.2	4.8	7.2	2.1
C.D.(5%) AiBk-AjBk		4.0	2.5	3.0	5.1	8.6	2.0
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		78.3	82.3	58.3	35.6	48.1	65.0
150:65:65		76.7	82.5	59.2	36.3	46.2	66.3
200:80:80		77.6	82.7	59.9	36.3	47.5	66.8
C.D.(5%) Ai-Aj		1.8	1.5	2.3	2.6	5.6	0.4
C.V.(%) Error A		2.6	2.2	4.5	8.5	13.9	0.7
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	s
KMH-Super 244		77.1	82.4	59.8	39.3	59.7	65.9
BIO 9637		76.2	82.6	62.1	35.2	53.4	65.5
KMH-25K55		77.8	83.0	57.7	39.3	61.0	66.1
KMH-3669		78.5	81.9	58.9	35.0	21.6	66.1
SeedTech 2324		76.6	82.4	56.7	33.5	27.9	64.7
Bisco 506		77.8	82.5	60.8	33.9	53.1	66.5
VEHQPM 3018		78.7	82.8	57.9	36.3	54.0	67.6
C.D.(5%)Bi-Bj		2.3	1.2	1.3	2.8	4.2	1.2
C.V.(%)ErrorB		3.1	1.5	2.3	8.0	9.2	2.0
F(5%)		n.s.	n.s.	s	s	s	s

Cont…

A – 5

Main Plot	Sub Plot	Plant stand ('000/ha)			No. of cobs ('000/ha)		
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Karnal	Varanasi	Hyderabad	Bahraich	Banswara	Udaipur
100:50:50	KMH-Super 244	67.7	66.7	56.9	82.6	82.8	51.7
	BIO 9637	68.0	66.2	57.8	79.9	81.4	50.0
	KMH-25K55	67.7	66.7	60.4	81.3	85.8	45.0
	KMH-3669	67.0	64.9	56.7	79.2	88.3	36.7
	SeedTech 2324	67.3	61.3	61.1	80.6	78.6	45.0
	Bisco 506	67.7	66.7	56.7	81.9	82.8	50.0
	VEHQPM 3018	67.7	64.9	59.6	81.9	86.1	45.0
150:65:65	KMH-Super 244	67.7	65.3	61.9	78.5	84.4	53.3
	BIO 9637	67.7	65.8	60.7	77.8	82.8	51.7
	KMH-25K55	66.0	65.3	61.9	79.2	88.3	45.0
	KMH-3669	67.7	66.2	60.4	77.8	92.5	36.1
	SeedTech 2324	68.0	56.0	62.6	77.1	80.0	45.0
	Bisco 506	66.7	65.8	61.7	77.8	88.9	50.0
	VEHQPM 3018	67.3	63.6	63.0	79.9	88.1	45.0
200:80:80	KMH-Super 244	67.0	65.3	61.5	76.4	89.7	51.7
	BIO 9637	67.7	65.3	61.5	73.6	87.2	55.0
	KMH-25K55	67.3	66.7	62.2	78.5	89.4	41.7
	KMH-3669	67.3	62.7	61.5	81.9	80.6	36.7
	SeedTech 2324	67.0	56.9	62.6	76.4	88.3	45.6
	Bisco 506	67.7	66.7	61.9	81.9	91.1	50.0
	VEHQPM 3018	67.0	65.8	63.0	80.6	90.0	45.0
Location mean		67.4	64.5	60.7	79.3	86.1	46.4
C.D.(5%) AiBj-AiBk		2.5	5.2	2.4	3.2	7.2	5.0
C.D.(5%) AiBk-AjBk		2.6	5.6	2.8	3.3	7.4	5.3
F(5%)		n.s.	n.s.	n.s.	s	s	n.s.
100:50:50		67.6	65.3	58.4	81.1	83.7	46.2
150:65:65		67.3	64.0	61.7	78.3	86.4	46.6
200:80:80		67.3	64.2	62.0	78.5	88.1	46.5
C.D.(5%) Ai-Aj		1.2	3.0	1.7	1.5	3.2	2.7
C.V.(%) Error A		2.1	5.5	3.2	2.1	4.4	6.7
F(5%)		n.s.	n.s.	s	s	s	n.s.
KMH-Super 244		67.4	65.8	60.1	79.2	85.6	52.2
BIO 9637		67.8	65.8	60.0	77.1	83.8	52.2
KMH-25K55		67.0	66.2	61.5	79.6	87.9	43.9
KMH-3669		67.3	64.6	59.5	79.6	87.1	36.5
SeedTech 2324		67.4	58.1	62.1	78.0	82.3	45.2
Bisco 506		67.3	66.4	60.1	80.6	87.6	50.0
VEHQPM 3018		67.3	64.7	61.9	80.8	88.1	45.0
C.D.(5%)Bi-Bj		1.5	3.0	1.4	1.8	4.2	2.9
C.V.(%)ErrorB		2.3	4.9	2.4	2.4	5.1	6.6
F(5%)		n.s.	s	s	s	s	s

Cont…

A – 6

Main Plot	Sub Plot	No. of cobs ('000/ha)			
$N:P_2O_5:K_2O$ (Kg/ha) level	Genotype	Kolhapur	Delhi	Varanasi	Hyderabad
100:50:50	KMH-Super 244	63.6	66.2	67.6	36.5
	BIO 9637	51.7	64.4	69.8	51.9
	KMH-25K55	66.7	64.9	71.1	45.9
	KMH-3669	25.6	63.6	64.9	37.8
	SeedTech 2324	38.6	62.7	64.0	52.8
	Bisco 506	55.6	64.0	68.0	43.1
	VEHQPM 3018	51.7	64.9	65.8	53.1
150:65:65	KMH-Super 244	66.1	65.3	66.7	40.6
	BIO 9637	57.8	64.9	69.3	51.9
	KMH-25K55	64.2	64.9	69.3	48.5
	KMH-3669	20.6	65.3	68.4	39.8
	SeedTech 2324	40.3	63.6	63.1	54.4
	Bisco 506	57.2	65.8	68.4	43.9
	VEHQPM 3018	55.8	67.6	64.9	54.4
200:80:80	KMH-Super 244	68.3	64.9	66.7	44.4
	BIO 9637	60.0	64.0	69.3	54.4
	KMH-25K55	67.2	65.3	68.4	52.4
	KMH-3669	27.2	64.4	64.0	39.8
	SeedTech 2324	34.4	64.9	63.1	58.5
	Bisco 506	58.1	65.8	73.8	51.1
	VEHQPM 3018	58.1	67.6	65.8	56.9
Location mean		51.8	65.0	67.3	48.2
C.D.(5%) AiBj-AiBk		8.3	2.5	5.7	3.0
C.D.(5%) AiBk-AjBk		11.7	2.6	7.8	3.8
F(5%)		n.s.	n.s.	n.s.	n.s.
100:50:50		50.5	64.4	67.3	45.9
150:65:65		51.7	65.3	67.2	47.6
200:80:80		53.3	65.3	67.3	51.1
C.D.(5%) Ai-Aj		9.0	1.1	5.8	2.7
C.V.(%) Error A		20.4	1.9	10.1	6.5
F(5%)		n.s.	n.s.	n.s.	s
KMH-Super 244		66.0	65.5	67.0	40.5
BIO 9637		56.5	64.4	69.5	52.7
KMH-25K55		66.0	65.0	69.6	49.0
KMH-3669		24.4	64.4	65.8	39.1
SeedTech 2324		37.8	63.7	63.4	55.2
Bisco 506		56.9	65.2	70.1	46.0
VEHQPM 3018		55.2	66.7	65.5	54.8
C.D.(5%)Bi-Bj		4.8	1.5	3.3	1.7
C.V.(%)ErrorB		9.7	2.4	5.1	3.8
F(5%)		s	s	s	s

Cont….

A – 7

Main Plot	Sub Plot	Plant height (cm)						
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Bahraich	Banswara	Godhra	Udaipur	Kolhapur	Karimnagar	Hyderabad
100:50:50	KMH-Super 244	149.3	224.0	210.0	193.2	209.3	168.3	244.6
	BIO 9637	143.3	243.3	239.3	201.2	230.7	177.0	247.0
	KMH-25K55	158.3	251.7	227.3	196.2	222.7	166.3	256.0
	KMH-3669	151.7	236.7	225.7	200.9	230.0	183.7	256.9
	SeedTech 2324	147.7	206.7	212.0	193.3	219.0	164.7	268.1
	Bisco 506	151.7	266.0	258.7	197.6	227.3	186.7	241.2
	VEHQPM 3018	151.7	260.0	222.0	195.6	219.7	175.7	257.7
150:65:65	KMH-Super 244	171.7	235.0	217.7	195.9	217.3	179.0	258.0
	BIO 9637	173.3	258.3	255.3	202.9	236.7	191.0	254.8
	KMH-25K55	175.0	278.3	229.3	199.5	228.3	180.7	262.3
	KMH-3669	176.3	254.7	242.7	204.7	232.3	196.0	261.4
	SeedTech 2324	174.7	225.0	216.3	199.0	223.7	173.7	281.6
	Bisco 506	169.0	275.0	264.3	204.1	241.7	205.3	247.5
	VEHQPM 3018	173.3	271.7	227.3	199.7	222.0	196.3	263.0
200:80:80	KMH-Super 244	192.3	241.7	234.3	194.3	221.7	186.0	264.7
	BIO 9637	192.3	266.0	260.0	201.1	242.3	198.3	263.3
	KMH-25K55	175.3	276.7	222.0	196.9	231.3	188.0	268.0
	KMH-3669	184.0	264.3	261.3	202.4	238.0	208.7	268.3
	SeedTech 2324	186.7	241.7	224.3	199.3	232.0	183.7	285.0
	Bisco 506	182.3	273.3	265.0	204.2	247.3	217.7	250.7
	VEHQPM 3018	186.0	277.3	230.3	200.2	233.0	199.7	270.0
Location mean		169.8	253.7	235.5	199.1	228.9	187.0	260.5
C.D.(5%) AiBj-AiBk		3.6	9.5	7.1	8.0	9.0	13.8	8.3
C.D.(5%) AiBk-AjBk		3.9	10.4	7.6	8.3	8.8	15.1	10.5
F(5%)		s	s	s	n.s.	n.s.	n.s.	n.s.
100:50:50		150.5	241.2	227.9	196.9	222.7	174.6	253.1
150:65:65		173.3	256.9	236.1	200.8	228.9	188.9	261.2
200:80:80		185.6	263.0	242.5	199.8	235.1	197.4	267.1
C.D.(5%) Ai-Aj		2.0	5.8	4.1	3.7	3.1	8.3	7.3
C.V.(%) Error A		1.4	2.7	2.0	2.2	1.6	5.2	3.3
F(5%)		s	s	s	n.s.	s	s	s
KMH-Super 244		171.1	233.6	220.7	194.5	216.1	177.8	255.8
BIO 9637		169.7	255.9	251.6	201.7	236.6	188.8	255.0
KMH-25K55		169.6	268.9	226.2	197.5	227.4	178.3	262.1
KMH-3669		170.7	251.9	243.2	202.7	233.4	196.1	262.2
SeedTech 2324		169.7	224.4	217.6	197.2	224.9	174.0	278.2
Bisco 506		167.7	271.4	262.7	202.0	238.8	203.2	246.5
VEHQPM 3018		170.3	269.7	226.6	198.5	224.9	190.6	263.6
C.D.(5%)Bi-Bj		2.1	5.5	4.1	4.6	5.2	8.0	4.8
C.V.(%)ErrorB		1.3	2.3	1.8	2.4	2.4	4.5	1.9
F(5%)		n.s.	s	s	s	s	s	s

Cont…

A – 8

Main Plot	Sub Plot	Plant height (cm)			Ear placement (cm)		
N:P_2O_5:K_2O (Kg/ha) level	Genotype	Delhi	Karnal	Varanasi	Karimnagar	Karnal	Varanasi
100:50:50	KMH-Super 244	180.4	120.0	157.3	75.7	50.0	78.3
	BIO 9637	179.6	155.0	203.0	78.3	62.0	97.0
	KMH-25K55	172.4	150.0	168.3	72.7	65.0	75.3
	KMH-3669	169.3	160.0	186.3	73.7	82.0	84.3
	SeedTech 2324	199.1	150.0	166.7	82.7	84.0	96.7
	Bisco 506	180.0	170.0	203.3	80.3	72.0	95.3
	VEHQPM 3018	187.6	160.0	179.0	85.0	75.0	95.3
150:65:65	KMH-Super 244	189.3	140.0	154.3	92.7	65.0	78.0
	BIO 9637	186.7	175.0	210.3	86.7	70.0	92.7
	KMH-25K55	182.7	165.0	177.0	81.0	73.0	86.0
	KMH-3669	178.7	180.0	181.0	85.7	93.0	81.3
	SeedTech 2324	210.2	166.0	175.7	90.7	96.0	102.3
	Bisco 506	188.9	185.0	199.3	89.3	80.0	91.7
	VEHQPM 3018	199.6	168.0	187.0	104.0	83.0	104.7
200:80:80	KMH-Super 244	195.1	152.0	159.0	98.0	70.0	80.7
	BIO 9637	190.2	180.0	208.3	92.3	75.0	101.7
	KMH-25K55	188.0	172.0	170.3	86.0	79.0	83.3
	KMH-3669	186.2	186.0	195.0	94.3	100.0	87.3
	SeedTech 2324	215.6	173.0	163.7	94.7	102.0	101.7
	Bisco 506	196.4	190.0	205.3	96.7	85.0	94.0
	VEHQPM 3018	204.9	175.0	184.7	112.0	87.0	102.3
Location mean		189.6	165.3	182.6	88.2	78.5	91.0
C.D.(5%) AiBj-AiBk		6.1	11.8	14.0	8.3	7.1	10.5
C.D.(5%) AiBk-AjBk		5.7	11.1	17.2	8.3	6.6	11.5
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		181.2	152.1	180.6	78.3	70.0	88.9
150:65:65		190.9	168.4	183.5	90.0	80.0	91.0
200:80:80		196.6	175.4	183.8	96.3	85.4	93.0
C.D.(5%) Ai-Aj		1.2	1.6	11.6	3.3	1.3	6.3
C.V.(%) Error A		0.7	1.1	7.4	4.4	1.9	8.0
F(5%)		s	s	n.s.	s	s	n.s.
KMH-Super 244		188.3	137.3	156.9	88.8	61.7	79.0
BIO 9637		185.5	170.0	207.2	85.8	69.0	97.1
KMH-25K55		181.0	162.3	171.9	79.9	72.3	81.6
KMH-3669		178.1	175.3	187.4	84.6	91.7	84.3
SeedTech 2324		208.3	163.0	168.7	89.3	94.0	100.2
Bisco 506		188.4	181.7	202.7	88.8	79.0	93.7
VEHQPM 3018		197.3	167.7	183.6	100.3	81.7	100.8
C.D.(5%)Bi-Bj		3.5	6.8	8.1	4.8	4.1	6.1
C.V.(%)ErrorB		1.9	4.3	4.6	5.7	5.4	7.0
F(5%)		s	s	s	s	s	s

Cont…

A – 9

Main Plot	Sub Plot	Days to 50% Silking					Days to 50% tasseling		
$N:P_2O_5:K_2O$ (Kg/ha) level	Genotype	Bahraich	Banswara	Kolhapur	Varanasi	Hyderabad	Karnal	Varanasi	Kolhapur
100:50:50	KMH-Super 244	110.0	86.7	77.3	115.0	68.0	141.7	111.3	75.3
	BIO 9637	109.3	94.3	78.0	119.0	70.0	143.0	116.3	77.0
	KMH-25K55	111.7	95.0	77.3	116.7	71.0	141.0	112.0	75.7
	KMH-3669	110.0	93.7	80.0	119.0	70.0	139.0	115.7	79.0
	SeedTech 2324	109.0	85.0	77.0	116.3	71.7	139.3	113.7	77.0
	Bisco 506	110.7	92.3	77.7	116.3	70.7	138.0	113.3	76.3
	VEHQPM 3018	109.3	87.0	81.7	122.7	70.3	139.0	119.0	79.3
150:65:65	KMH-Super 244	107.0	88.3	76.3	113.7	69.7	140.0	111.0	74.7
	BIO 9637	107.0	95.7	77.7	119.7	70.7	140.7	115.7	77.0
	KMH-25K55	109.0	96.3	76.7	115.7	72.0	139.3	111.7	75.0
	KMH-3669	108.0	94.3	78.3	118.7	71.0	137.7	116.0	78.0
	SeedTech 2324	106.7	86.3	77.0	114.7	73.0	137.7	111.0	76.7
	Bisco 506	108.7	94.0	76.3	115.0	72.0	137.3	111.7	75.0
	VEHQPM 3018	106.0	89.0	80.7	121.7	72.7	139.0	117.7	79.3
200:80:80	KMH-Super 244	105.0	88.3	76.0	114.7	70.3	138.7	112.0	74.0
	BIO 9637	104.0	95.7	77.7	118.3	71.7	139.0	115.3	76.7
	KMH-25K55	105.0	97.0	77.3	116.3	72.3	138.0	112.3	75.0
	KMH-3669	104.0	94.3	77.3	117.7	71.7	137.0	115.0	77.3
	SeedTech 2324	102.0	86.3	77.0	115.7	73.0	138.3	113.0	76.3
	Bisco 506	103.0	94.0	75.7	115.7	73.0	136.7	112.0	74.7
	VEHQPM 3018	102.0	89.0	80.3	122.0	73.3	138.7	117.3	78.3
Location mean		107.0	91.6	77.8	117.3	71.3	139.0	114.0	76.6
C.D.(5%) AiBj-AiBk		0.6	2.5	0.8	2.0	1.5	1.4	1.9	0.9
C.D.(5%) AiBk-AjBk		0.6	2.6	0.9	2.1	1.6	1.3	2.1	1.0
F(5%)		s	n.s.	s	n.s.	n.s.	s	n.s.	n.s.
100:50:50		110.0	90.6	78.4	117.9	70.2	140.1	114.5	77.1
150:65:65		107.5	92.0	77.6	117.0	71.6	138.8	113.5	76.5
200:80:80		103.6	92.1	77.3	117.2	72.2	138.0	113.9	76.0
C.D.(5%) Ai-Aj		0.2	1.1	0.5	1.0	0.7	0.4	1.1	0.6
C.V.(%) Error A		0.2	1.4	0.8	1.0	1.1	0.4	1.1	0.9
F(5%)		s	s	s	n.s.	s	s	n.s.	s
KMH-Super 244		107.3	87.8	76.6	114.4	69.3	140.1	111.4	74.7
BIO 9637		106.8	95.2	77.8	119.0	70.8	140.9	115.8	76.9
KMH-25K55		108.6	96.1	77.1	116.2	71.8	139.4	112.0	75.2
KMH-3669		107.3	94.1	78.6	118.4	70.9	137.9	115.6	78.1
SeedTech 2324		105.9	85.9	77.0	115.6	72.6	138.4	112.6	76.7
Bisco 506		107.4	93.4	76.6	115.7	71.9	137.3	112.3	75.3
VEHQPM 3018		105.8	88.3	80.9	122.1	72.1	138.9	118.0	79.0
C.D.(5%)Bi-Bj		0.4	1.5	0.5	1.2	0.9	0.8	1.1	0.5
C.V.(%)ErrorB		0.4	1.7	0.6	1.0	1.3	0.6	1.0	0.7
F(5%)		s	s	s	s	s	s	s	s

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A – 10

Main Plot	Sub Plot	Cob length (cm)	Cob girth (cm)	No. of grain rows/cob	No. of grains/ row of cob	Cob weight (g)	Grain weight/ cob (g)	Shelling (%)	Days to 50% Pollen Shed
$N:P_2O_5:K_2O$ (Kg/ha) level	Genotype	Karimnagar							Godhra
100:50:50	KMH-Super 244	18.0	16.0	14.0	32.0	219.0	158.0	72.2	82.3
	BIO 9637	17.8	16.7	16.3	36.7	271.7	200.0	73.6	83.3
	KMH-25K55	16.9	16.3	16.0	36.3	245.0	185.3	76.2	82.3
	KMH-3669	18.5	16.0	14.7	34.3	225.0	158.3	70.3	84.0
	SeedTech 2324	19.4	16.0	13.7	39.7	249.3	185.3	74.3	83.3
	Bisco 506	18.2	15.3	14.3	41.0	206.3	153.7	74.8	82.7
	VEHQPM 3018	17.5	15.0	15.0	32.0	199.7	149.3	74.8	85.7
150:65:65	KMH-Super 244	19.9	16.7	14.0	33.0	247.0	181.3	73.3	82.7
	BIO 9637	19.2	17.0	16.3	38.7	303.3	230.0	75.9	84.0
	KMH-25K55	18.5	17.0	16.3	39.7	277.7	213.0	76.9	84.0
	KMH-3669	19.2	16.3	15.3	36.7	245.7	177.7	72.3	85.0
	SeedTech 2324	20.3	17.0	14.7	40.3	285.7	216.0	75.7	83.0
	Bisco 506	19.2	16.3	15.0	42.0	244.7	191.0	78.1	84.0
	VEHQPM 3018	19.0	16.7	16.0	35.3	236.7	181.0	76.5	87.0
200:80:80	KMH-Super 244	20.2	17.3	14.7	34.0	271.0	207.3	76.4	83.0
	BIO 9637	19.9	17.7	17.0	42.0	324.3	248.7	76.8	84.0
	KMH-25K55	18.8	17.0	16.7	41.0	297.7	233.3	78.6	85.0
	KMH-3669	20.2	16.7	16.0	39.0	271.3	201.0	74.2	87.0
	SeedTech 2324	21.8	17.7	15.7	43.7	327.0	251.7	76.9	84.0
	Bisco 506	20.4	17.3	16.0	43.3	274.3	221.3	80.5	84.0
	VEHQPM 3018	20.0	17.7	16.7	36.7	270.7	209.7	77.6	86.7
Location mean		19.2	16.7	15.4	38.0	261.6	197.8	75.5	84.1
C.D.(5%) AiBj-AiBk		1.6	1.2	0.9	3.3	39.4	27.9	3.1	1.3
C.D.(5%) AiBk-AjBk		1.5	1.2	0.8	3.2	39.9	29.3	2.9	1.3
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		18.0	15.9	14.9	36.0	230.9	170.0	73.8	83.4
150:65:65		19.3	16.7	15.4	38.0	263.0	198.6	75.5	84.2
200:80:80		20.2	17.3	16.1	40.0	290.9	224.7	77.3	84.8
C.D.(5%) Ai-Aj		0.3	0.3	0.3	0.9	16.6	14.4	0.6	0.7
C.V.(%) Error A		2.1	1.8	2.4	2.9	7.4	8.5	1.0	0.9
F(5%)		s	s	s	s	s	s	s	s
KMH-Super 244		19.4	16.7	14.2	33.0	245.7	182.2	74.0	82.7
BIO 9637		19.0	17.1	16.6	39.1	299.8	226.2	75.4	83.8
KMH-25K55		18.1	16.8	16.3	39.0	273.4	210.6	77.2	83.8
KMH-3669		19.3	16.3	15.3	36.7	247.3	179.0	72.3	85.3
SeedTech 2324		20.5	16.9	14.7	41.2	287.3	217.7	75.6	83.4
Bisco 506		19.3	16.3	15.1	42.1	241.8	188.7	77.8	83.6
VEHQPM 3018		18.8	16.4	15.9	34.7	235.7	180.0	76.3	86.4
C.D.(5%)Bi-Bj		0.9	0.7	0.5	1.9	22.8	16.1	1.8	0.7
C.V.(%)ErrorB		4.9	4.5	3.3	5.2	9.1	8.5	2.5	0.9
F(5%)		s	n.s.	s	s	s	s	s	s

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A – 11

Main Plot	Sub Plot	Shelling (%)		Seed Germination % (15 DAS)	No. of grain rows/ cob	No. of grains/ cob	Cob length (cm)	Cob Width (cm)	Shelling (%)	100 grain weight (g)
$N:P_2O_5:K_2O$ (Kg/ha) level	Genotype	Udaipur	Kolhapur	Hyderabad						
100:50:50	KMH-Super 244	80.2	77.9	83.7	13.3	426.3	17.2	13.4	77.6	27.7
	BIO 9637	81.3	78.5	87.2	15.0	532.3	17.6	14.6	77.3	28.0
	KMH-25K55	79.3	78.7	88.1	15.8	562.3	18.0	15.7	81.1	32.7
	KMH-3669	81.0	78.2	85.1	14.4	521.3	16.7	13.6	75.0	29.0
	SeedTech 2324	79.5	71.0	88.3	16.4	498.7	18.2	15.4	79.4	30.0
	Bisco 506	80.3	79.2	86.3	14.7	519.0	17.2	14.5	77.1	29.0
	VEHQPM 3018	78.3	77.5	88.7	13.8	482.3	17.5	15.1	80.5	29.7
150:65:65	KMH-Super 244	80.2	78.2	86.2	15.3	456.0	18.0	14.6	77.5	29.0
	BIO 9637	81.6	77.6	88.1	15.6	535.3	19.0	14.4	78.6	29.7
	KMH-25K55	79.8	78.9	88.4	17.3	583.7	19.1	16.2	80.0	34.7
	KMH-3669	81.6	78.4	85.7	14.7	536.0	17.6	14.2	79.5	30.3
	SeedTech 2324	79.5	77.9	89.1	15.8	516.0	19.2	15.6	79.6	32.0
	Bisco 506	80.3	78.3	87.1	15.1	540.7	18.1	14.9	77.5	30.3
	VEHQPM 3018	77.5	75.8	90.2	16.0	512.0	18.1	15.3	81.0	32.0
200:80:80	KMH-Super 244	80.1	78.5	86.4	16.9	503.0	19.4	15.2	79.9	30.0
	BIO 9637	81.6	78.7	88.9	15.3	506.0	18.3	15.2	76.0	31.0
	KMH-25K55	79.7	81.4	89.7	16.7	583.3	18.8	16.3	81.3	31.7
	KMH-3669	81.6	78.0	87.4	15.2	509.3	17.7	14.8	80.6	32.0
	SeedTech 2324	79.6	78.8	91.1	13.8	528.7	19.1	16.0	72.5	34.0
	Bisco 506	78.3	78.0	88.0	15.5	505.0	18.3	15.2	82.4	31.0
	VEHQPM 3018	79.1	78.4	91.0	15.8	523.7	19.5	15.4	79.9	33.7
Location mean		80.0	78.0	87.8	15.4	518.1	18.2	15.0	78.8	30.8
C.D.(5%) AiBj-AiBk		3.6	5.1	1.8	1.5	37.2	1.3	1.1	4.5	2.3
C.D.(5%) AiBk-AjBk		3.5	5.2	1.7	1.8	41.9	1.4	1.1	4.3	2.4
F(5%)		n.s.	n.s.	n.s.	s	s	n.s.	n.s.	s	n.s.
100:50:50		80.0	77.3	86.8	14.8	506.0	17.5	14.6	78.3	29.4
150:65:65		80.1	77.9	87.8	15.7	525.7	18.4	15.0	79.1	31.1
200:80:80		80.0	78.8	88.9	15.6	522.7	18.7	15.5	79.0	31.9
C.D.(5%) Ai-Aj		1.0	2.4	0.3	1.2	24.6	0.6	0.4	1.4	1.0
C.V.(%) Error A		1.5	3.5	0.4	8.9	5.5	3.8	3.2	2.0	3.9
F(5%)		n.s.	n.s.	s	n.s.	n.s.	s	s	n.s.	s
KMH-Super 244		80.2	78.2	85.4	15.2	461.8	18.2	14.4	78.3	28.9
BIO 9637		81.5	78.3	88.1	15.3	524.6	18.3	14.8	77.3	29.6
KMH-25K55		79.6	79.7	88.7	16.6	576.4	18.6	16.1	80.8	33.0
KMH-3669		81.4	78.2	86.1	14.8	522.2	17.3	14.2	78.4	30.4
SeedTech 2324		79.5	75.9	89.5	15.3	514.4	18.8	15.7	77.2	32.0
Bisco 506		79.6	78.5	87.1	15.1	521.6	17.8	14.9	79.0	30.1
VEHQPM 3018		78.3	77.3	90.0	15.2	506.0	18.4	15.3	80.5	31.8
C.D.(5%)Bi-Bj		2.1	2.9	1.1	0.9	21.5	0.8	0.6	2.6	1.3
C.V.(%)ErrorB		2.7	3.9	1.3	5.9	4.3	4.4	4.5	3.4	4.5
F(5%)		s	n.s.	s	s	s	s	s	s	s

Table 2: Relative performance of pre-release full season germplasm under various NPK levels at Arabhavi.

Main Plot N:P2O5:K2O (Kg/ha) level	Sub Plots Genotypes	Grain yield (kg /ha)	Cob Yield (Kg/ha)	Fodder Yield (kg/ha)	Plant Stand ('000/ha)	No. of Cobs ('000/ha)	Plant height (cm)	Ear placement (cm)
100:50:50	KMH-Super 244	10527	13000	14722	54.7	54.7	168.7	95.0
	BIO 9637	4060	5972	7056	50.6	50.6	199.3	93.7
	KMH-25K55	9573	11583	7833	51.4	50.3	182.0	89.0
	KMH-3669	6875	9222	9333	40.6	38.9	184.0	91.0
	SeedTech 2324	7575	9694	8444	38.1	38.3	177.7	96.7
	Bisco 506	5232	6778	5361	47.2	48.6	204.0	98.7
	VEHQPM 3018	7650	9944	9861	41.1	40.6	186.3	98.0
150:65:65	KMH-Super 244	10860	13222	9528	50.6	49.4	178.3	96.7
	BIO 9637	5614	7694	6417	51.7	50.8	196.7	93.7
	KMH-25K55	9542	11361	9139	55.8	55.0	182.3	88.3
	KMH-3669	8550	10806	11889	53.1	53.1	202.3	103.3
	SeedTech 2324	7306	9306	8611	52.2	52.2	177.3	101.7
	Bisco 506	4751	6306	5444	50.3	50.3	200.7	97.0
	VEHQPM 3018	7588	9778	10528	43.9	44.7	185.7	99.3
200:80:80	KMH-Super 244	10504	12917	12194	52.5	51.9	183.3	97.3
	BIO 9637	6452	7556	5417	46.9	52.5	196.3	94.0
	KMH-25K55	9694	11417	6583	46.4	48.1	198.0	98.0
	KMH-3669	8237	10417	8944	47.2	47.2	198.3	103.3
	SeedTech 2324	9644	11722	8778	53.1	51.9	195.0	96.7
	Bisco 506	8435	10333	6806	53.1	53.1	202.7	100.7
	VEHQPM 3018	8453	10750	10806	40.6	46.7	187.3	102.0
State RDF	KMH-Super 244	11945	14639	9750	53.6	53.9	176.3	90.7
	BIO 9637	5763	7556	6778	51.1	48.1	202.3	106.3
	KMH-25K55	10627	12583	6778	54.2	51.4	179.7	86.3
	KMH-3669	9197	11583	10778	51.9	51.7	202.0	100.3
	SeedTech 2324	9272	11306	8056	50.8	50.3	175.0	92.7
	Bisco 506	6523	8000	5750	53.9	54.2	198.3	103.3
	VEHQPM 3018	7780	10389	11444	54.2	53.3	177.7	97.3
Location mean		8151.0	10208.3	8679.6	49.7	49.7	189.2	96.8
C.D.(5%) AiBj-AiBk		1249.6	1138.7	829.6	6.3	7.1	8.0	6.6
C.D.(5%) AiBk-AjBk		1225.4	1157.5	922.1	8.1	8.1	9.0	6.7
F(5%)		S	S	S	S	S	S	S
100:50:50		7356	9456	8944	46.2	46.0	186.0	94.6
150:65:65		7744	9782	8794	51.1	50.8	189.0	97.1
200:80:80		8774	10730	8504	48.5	50.2	194.4	98.9
State RDF		8730	10865	8476	52.8	51.8	187.3	96.7
C.D.(5%) Ai-Aj		409.7	484.8	516.5	5.6	4.9	5.2	2.8
C.V.(%) Error A		6.7	6.3	7.9	15.0	12.9	3.7	3.9
F(5%)		S	S	n.s.	n.s.	n.s.	S	n.s.
KMH-Super 244		10959	13444	11549	52.8	52.5	176.7	94.9
BIO 9637		5472	7194	6417	50.1	50.5	198.7	96.9
KMH-25K55		9859	11736	7583	51.9	51.2	185.5	90.4
KMH-3669		8215	10507	10236	48.2	47.7	196.7	99.5
SeedTech 2324		8449	10507	8472	48.5	48.2	181.3	96.9
Bisco 506		6235	7854	5840	51.1	51.5	201.4	99.9
VEHQPM 3018		7868	10215	10660	44.9	46.3	184.3	99.2
C.D.(5%)Bi-Bj		624.8	569.3	414.8	3.2	3.5	4.0	3.3
C.V.(%)ErrorB		9.3	6.8	5.8	7.7	8.7	2.6	4.1
F(5%)		S	S	S	S	S	S	S

Cont…

A – 13

Main Plot N:P2O5:K2O (Kg/ha) level	Sub Plots (Genotypes)	No. of leaves/ plant	Stem girth at base (cm)	Moisture (%)	Cob Length (cm)	Cob Girth (cm)	No of row/cob	No of grains /row	100 grain weight	Shelling (%)
100:50:50	KMH-Super 244	13.4	2.3	24.9	15.2	4.7	14.5	34.3	33.3	81.9
	BIO 9637	13.9	2.0	20.6	11.6	4.4	12.8	28.3	23.0	78.4
	KMH-25K55	13.8	2.0	22.4	16.2	4.9	17.7	33.5	33.3	83.1
	KMH-3669	13.7	2.1	23.3	16.1	4.7	16.1	31.9	35.7	79.3
	SeedTech 2324	14.0	2.3	24.2	17.4	4.9	16.4	34.7	36.0	82.4
	Bisco 506	13.9	2.2	19.5	14.1	3.8	13.9	31.9	29.3	81.5
	VEHQPM 3018	14.3	2.2	24.4	15.2	4.4	15.5	29.8	31.0	81.3
150:65:65	KMH-Super 244	13.8	2.1	21.6	16.2	4.5	16.1	34.3	31.3	81.3
	BIO 9637	14.1	2.0	22.0	13.4	4.6	16.3	30.9	24.0	79.5
	KMH-25K55	14.3	2.1	21.9	16.1	4.6	16.0	34.9	28.7	84.2
	KMH-3669	14.3	2.3	23.8	19.1	5.0	16.1	31.7	35.7	81.7
	SeedTech 2324	13.6	2.3	23.2	15.6	4.5	15.1	28.5	34.0	82.6
	Bisco 506	14.3	2.2	19.8	14.1	4.2	15.3	31.5	23.7	81.9
	VEHQPM 3018	13.5	2.3	22.9	14.9	4.4	15.3	33.3	33.3	80.9
200:80:80	KMH-Super 244	14.2	2.3	24.0	16.0	4.6	14.4	31.9	37.3	81.8
	BIO 9637	14.5	2.2	18.0	13.2	4.4	16.8	32.7	32.3	85.7
	KMH-25K55	15.1	2.2	18.1	14.4	4.3	15.6	33.0	28.7	82.5
	KMH-3669	15.0	2.4	21.1	16.6	4.6	15.7	36.2	31.3	80.0
	SeedTech 2324	14.4	2.4	23.0	18.4	5.0	16.4	37.4	36.0	83.0
	Bisco 506	13.7	2.2	19.2	16.5	4.6	16.3	33.7	29.7	80.9
	VEHQPM 3018	14.0	2.6	24.3	16.2	4.5	15.3	33.5	33.0	81.5
State RDF	KMH-Super 244	13.3	2.3	23.2	16.7	4.7	15.5	36.7	39.3	80.8
	BIO 9637	14.5	2.3	21.7	14.0	4.4	15.1	31.1	26.3	82.3
	KMH-25K55	14.6	2.3	21.9	15.5	4.7	17.3	36.2	30.7	83.8
	KMH-3669	14.5	2.5	22.6	17.5	4.8	16.1	35.9	32.7	80.4
	SeedTech 2324	13.9	2.3	22.0	16.7	4.6	14.9	38.0	35.0	82.5
	Bisco 506	13.5	2.2	19.5	16.3	4.1	15.1	35.7	30.7	83.2
	VEHQPM 3018	13.9	2.1	26.4	14.7	4.4	15.5	29.8	36.0	80.3
Location mean		14.1	2.2	22.1	15.6	4.5	15.6	33.3	31.8	81.8
C.D.(5%) AiBj-AiBk		1.0	0.2	3.5	1.2	0.3	1.0	3.8	3.0	4.2
C.D.(5%) AiBk-AjBk		1.1	0.2	3.6	1.4	0.3	1.2	4.0	3.2	4.4
F(5%)		n.s.	s	n.s.	s	s	s	s	s	n.s.
100:50:50		13.9	2.1	22.7	15.1	4.5	15.3	32.1	31.7	81.1
150:65:65		14.0	2.2	22.2	15.7	4.6	15.8	32.2	30.1	81.7
200:80:80		14.4	2.3	21.1	15.9	4.6	15.8	34.1	32.6	82.2
State RDF		14.0	2.3	22.5	15.9	4.5	15.6	34.8	33.0	81.9
C.D.(5%) Ai-Aj		0.6	0.1	1.7	0.8	0.2	0.7	1.9	1.7	2.0
C.V.(%) Error A		5.6	5.9	9.9	6.9	4.7	6.0	7.6	6.9	3.3
F(5%)		n.s.	s	n.s.	n.s.	n.s.	n.s.	s	s	n.s.
KMH-Super 244		13.7	2.3	23.5	16.1	4.6	15.1	34.3	35.3	81.5
BIO 9637		14.3	2.1	20.6	13.1	4.4	15.2	30.8	26.4	81.5
KMH-25K55		14.5	2.1	21.1	15.6	4.6	16.7	34.4	30.3	83.4
KMH-3669		14.4	2.3	22.7	17.3	4.8	16.0	33.9	33.8	80.3
SeedTech 2324		14.0	2.3	23.1	17.0	4.7	15.7	34.7	35.3	82.6
Bisco 506		13.9	2.2	19.5	15.3	4.2	15.1	33.2	28.3	81.9
VEHQPM 3018		13.9	2.3	24.5	15.3	4.4	15.4	31.6	33.3	81.0
C.D.(5%)Bi-Bj		0.5	0.1	1.7	0.6	0.1	0.5	1.9	1.5	2.1
C.V.(%)ErrorB		4.1	5.2	9.5	4.6	3.9	3.9	6.9	5.7	3.1
F(5%)		s	s	s	s	s	s	s	s	n.s.

Table 3 - Relative performance of pre-release full season germplasm under various NPK levels at Ludhiana.

Main Plot N:P2O5:K2O (Kg/ha) level	Sub Plot (Genotype)	Grain yield (kg/ha)	Plant stand ('000/ha)	No. of cobs ('000/ha)	Days to 50% tasseling	Days to 50% silking	Days to 75% husk brown
100:50:50	KMH-Super 244	6337	82.6	81.3	145.3	148.0	184.3
	BIO 9637	7104	83.3	84.0	147.0	150.0	186.0
	KMH-25K55	6740	83.3	83.0	146.0	148.0	185.3
	KMH-3669	6472	81.3	81.3	146.7	149.3	184.7
	SeedTech 2324	6465	85.4	85.1	144.7	147.3	182.0
	Bisco 506	7997	84.7	86.1	142.3	144.3	183.7
	VEHQPM 3018	6278	83.0	81.9	146.3	149.0	185.7
150:65:65	KMH-Super 244	6618	85.4	85.1	145.0	147.7	185.0
	BIO 9637	8049	83.7	85.1	146.3	149.0	187.0
	KMH-25K55	7101	85.4	86.8	145.0	147.3	186.3
	KMH-3669	7431	85.8	86.5	145.7	148.7	186.0
	SeedTech 2324	7108	84.4	85.4	144.0	146.7	182.3
	Bisco 506	8462	84.7	86.5	141.7	144.0	185.3
	VEHQPM 3018	6549	84.0	83.3	145.7	148.3	186.0
200:80:80	KMH-Super 244	7420	83.3	85.8	143.3	146.7	186.3
	BIO 9637	8750	85.8	87.2	144.3	148.3	189.7
	KMH-25K55	7368	83.7	84.7	144.0	147.0	187.7
	KMH-3669	7372	83.3	85.4	144.7	147.0	188.0
	SeedTech 2324	7351	83.7	85.4	143.0	146.0	184.7
	Bisco 506	8219	84.7	87.8	141.0	143.3	186.7
	VEHQPM 3018	7035	84.7	85.1	143.3	146.7	186.3
Location mean		7248.7	84.1	84.9	144.5	147.3	185.7
C.D.(5%) AiBj-AiBk		730.5	3.4	6.5	3.3	3.1	3.8
C.D.(5%) AiBk-AjBk		756.1	3.6	6.5	3.2	3.4	3.8
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		6770	83.4	83.2	145.5	148.0	184.5
150:65:65		7331	84.8	85.5	144.8	147.4	185.4
200:80:80		7645	84.2	85.9	143.4	146.4	187.0
C.D.(5%) Ai-Aj		349.2	1.7	2.5	0.9	1.9	1.5
C.V.(%) Error A		5.6	2.4	3.4	0.7	1.5	0.9
F(5%)		s	n.s.	n.s.	s	n.s.	s
KMH-Super 244		6792	83.8	84.0	144.6	147.4	185.2
BIO 9637		7968	84.3	85.4	145.9	149.1	187.6
KMH-25K55		7069	84.1	84.8	145.0	147.4	186.4
KMH-3669		7091	83.4	84.4	145.7	148.3	186.2
SeedTech 2324		6975	84.5	85.3	143.9	146.7	183.0
Bisco 506		8226	84.7	86.8	141.7	143.9	185.2
VEHQPM 3018		6620	83.9	83.4	145.1	148.0	186.0
		421.8	2.0	3.8	1.9	1.8	2.2
C.D.(5%)Bi-Bj		6.1	2.5	4.6	1.4	1.3	1.3
C.V.(%)ErrorB		s	n.s.	n.s.	s	s	s

Cont…

A – 15

Main Plot N:P2O5:K2O (Kg/ha) level	Sub Plot (Genotype)	Plant height (cm)	Ear placement (cm)	Cob length (cm)	Cob girth (cm)	No. of grain rows/cob
100:50:50	KMH-Super 244	130.7	45.0	15.8	4.5	13.5
	BIO 9637	157.3	56.0	15.9	4.7	14.0
	KMH-25K55	141.0	56.7	15.7	4.5	12.5
	KMH-3669	152.0	55.3	16.9	4.8	14.0
	SeedTech 2324	132.3	64.3	16.3	4.7	14.0
	Bisco 506	157.3	60.3	18.5	4.9	14.1
	VEHQPM 3018	148.7	62.0	15.8	4.4	13.6
150:65:65	KMH-Super 244	136.0	49.0	16.5	4.6	14.0
	BIO 9637	164.0	67.3	18.2	5.0	14.2
	KMH-25K55	145.3	58.3	16.2	4.6	13.3
	KMH-3669	157.0	62.0	18.4	4.8	14.2
	SeedTech 2324	141.0	69.0	18.2	4.7	14.2
	Bisco 506	157.3	60.3	18.8	5.0	14.4
	VEHQPM 3018	153.0	65.0	16.1	4.6	14.0
200:80:80	KMH-Super 244	138.0	55.0	16.9	4.7	14.2
	BIO 9637	175.0	78.7	18.7	5.3	14.4
	KMH-25K55	148.7	67.7	16.6	4.6	13.6
	KMH-3669	160.0	63.0	18.5	5.1	14.3
	SeedTech 2324	147.7	70.7	18.7	4.7	14.4
	Bisco 506	159.0	62.7	19.2	5.1	14.5
	VEHQPM 3018	153.7	65.0	16.3	4.8	14.2
Location mean		150.2	61.6	17.2	4.8	14.0
C.D.(5%) AiBj-AiBk		10.3	10.3	2.3	0.5	0.6
C.D.(5%) AiBk-AjBk		13.4	10.2	2.4	0.5	0.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
100:50:50		145.6	57.1	16.4	4.6	13.7
150:65:65		150.5	61.6	17.5	4.7	14.1
200:80:80		154.6	66.1	17.8	4.9	14.2
C.D.(5%) Ai-Aj		9.7	3.7	1.0	0.3	0.3
C.V.(%) Error A		7.5	7.1	6.8	6.2	2.2
F(5%)		n.s.	s	s	n.s.	s
KMH-Super 244		134.9	49.7	16.4	4.6	13.9
BIO 9637		165.4	67.3	17.6	5.0	14.2
KMH-25K55		145.0	60.9	16.1	4.6	13.1
KMH-3669		156.3	60.1	17.9	4.9	14.2
SeedTech 2324		140.3	68.0	17.7	4.7	14.2
Bisco 506		157.9	61.1	18.8	5.0	14.3
VEHQPM 3018		151.8	64.0	16.1	4.6	13.9
		5.9	5.9	1.4	0.3	0.3
C.D.(5%)Bi-Bj		4.1	10.1	8.2	5.9	2.6
C.V.(%)ErrorB		s	s	s	s	s
F(5%)						

Table 4 - Relative performance of maize hybrids at different nitrogen levels at Ludhiana.

Main Plot (Nitrogen) (KgN/ha)	Sub Plot (Genotypes)	Grain yield (kg/ha)	Plant stand (000/ha)	No. of cobs (000/ha)	Days to 50% tasseling	Days to 50% silking	Days to 75% husk brown
90	PMH 2	5493	83.3	83.3	78.0	80.0	112.7
	JH 3459	5034	81.3	81.9	79.7	82.0	111.0
	JH 3956	5965	83.0	84.0	79.3	81.3	113.7
	JH 31244	6718	84.0	84.4	81.7	84.3	114.0
120	PMH 2	5941	84.4	85.4	76.7	79.0	113.0
	JH 3459	5687	83.7	84.7	79.0	81.7	113.3
	JH 3956	6777	82.3	88.5	78.7	80.7	114.3
	JH 31244	7229	85.1	87.2	78.7	80.7	115.0
150	PMH 2	6041	83.3	86.1	75.0	77.7	113.7
	JH 3459	5819	84.4	86.8	76.0	78.7	114.3
	JH 3956	6944	83.3	89.6	77.0	79.3	115.0
	JH 31244	7402	82.3	88.5	78.7	80.3	115.7
Location mean		6254.6	83.4	85.9	78.2	80.5	113.8
C.D.(5%) AiBj-AiBk		685.3	3.5	4.9	4.2	4.8	3.7
C.D.(5%) AiBk-AjBk		801.4	3.5	4.7	4.4	4.8	5.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
90		5803	82.9	83.4	79.7	81.9	112.8
120		6408	83.9	86.5	78.3	80.5	113.9
150		6552	83.3	87.8	76.7	79.0	114.7
C.D.(5%) Ai-Aj		549.5	1.8	2.1	2.5	2.5	4.6
C.V.(%) Error A		7.8	1.9	2.2	2.9	2.8	3.6
F(5%)		s	n.s.	s	n.s.	n.s.	n.s.
PMH 2		5825	83.7	85.0	76.6	78.9	113.1
JH 3459		5513	83.1	84.5	78.2	80.8	112.9
JH 3956		6562	82.9	87.4	78.3	80.4	114.3
JH 31244		7116	83.8	86.7	79.7	81.8	114.9
C.D.(5%)Bi-Bj		395.7	2.0	2.9	2.4	2.8	2.2
C.V.(%)ErrorB		6.4	2.4	3.4	3.2	3.5	1.9
F(5%)		s	n.s.	n.s.	n.s.	n.s.	n.s.

Cont…

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Main Plot (Nitrogen) (KgN/ha)	Sub Plot (Genotypes)	Plant height (cm)	Ear placement (cm)	Cob length (cm)	Cob girth (cm)	No .of grain rows/cob
90	PMH 2	142.7	67.0	15.3	4.5	14.3
	JH 3459	139.0	69.3	14.2	4.3	15.7
	JH 3956	147.7	74.0	15.0	4.2	14.0
	JH 31244	159.0	81.3	15.4	4.4	13.5
120	PMH 2	148.0	70.7	15.9	4.6	14.7
	JH 3459	145.7	72.3	15.7	4.4	15.8
	JH 3956	152.7	77.3	15.6	4.3	14.4
	JH 31244	167.7	86.3	15.5	4.5	15.1
150	PMH 2	153.3	74.0	16.1	4.6	15.0
	JH 3459	150.3	77.3	15.8	4.5	16.4
	JH 3956	158.7	79.7	16.2	4.7	14.4
	JH 31244	167.0	87.0	16.8	4.5	15.3
Location mean		152.6	76.4	15.6	4.5	14.9
C.D.(5%) AiBj-AiBk		10.1	7.3	0.7	0.2	1.3
C.D.(5%) AiBk-AjBk		9.9	7.2	0.9	0.3	1.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
90		147.1	72.9	15.0	4.4	14.4
120		153.5	76.7	15.7	4.4	15.0
150		157.3	79.5	16.2	4.6	15.3
C.D.(5%) Ai-Aj		4.7	3.5	0.6	0.3	1.1
C.V.(%) Error A		2.7	4.0	3.6	5.0	6.6
F(5%)		s	s	s	n.s.	n.s.
PMH 2		148.0	70.6	15.8	4.6	14.7
JH 3459		145.0	73.0	15.3	4.4	16.0
JH 3956		153.0	77.0	15.6	4.4	14.3
JH 31244		164.6	84.9	15.9	4.5	14.6
C.D.(5%)Bi-Bj		5.8	4.2	0.4	0.1	0.8
C.V.(%)ErrorB		3.9	5.6	2.7	2.6	5.3
F(5%)		s	s	s	s	s

Table 5 - Relative performance of maize hybrid under different methods of sowing at Ludhiana.

Main Plot (Method of sowing)	Sub Plot (Genotype)	Grain yield (kg/ha)	Plant stand ('000/ha)	No. of cobs ('000/ha)	Days to 50% tasseling	Days to 50% sulking	Days to 75% husk brown
Flat sowing	PMH 2	6111	81.6	81.9	79.7	82.3	111.7
	Parkash	4830	83.7	83.3	79.7	82.0	111.0
	JH 3956	6649	82.3	86.5	81.0	82.3	113.7
	PMH 1	6372	84.0	84.7	84.3	86.3	117.0
Ridge sowing	PMH 2	6649	83.3	83.3	77.0	79.3	111.7
	Parkash	5031	82.6	83.3	77.3	79.3	110.3
	JH 3956	7528	81.9	87.5	76.3	78.0	112.3
	PMH 1	7861	83.0	86.8	83.7	85.0	116.3
Trench sowing	PMH 2	6931	81.9	82.3	82.0	84.7	113.3
	Parkash	5257	83.3	83.0	80.3	81.7	112.3
	JH 3956	6837	83.3	86.8	81.0	82.0	115.0
	PMH 1	7483	82.6	86.5	86.7	89.3	118.3
Location mean		6461.5	82.8	84.7	80.8	82.7	113.6
C.D.(5%) AiBj-AiBk		688.3	4.3	5.1	3.6	3.9	3.0
C.D.(5%) AiBk-AjBk		643.8	4.0	5.3	4.0	4.3	3.4
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Flat sowing		5990	82.9	84.1	81.2	83.3	113.3
Ridge sowing		6767	82.7	85.2	78.6	80.4	112.7
Trench sowing		6627	82.8	84.6	82.5	84.4	114.8
C.D.(5%) Ai-Aj		250.0	1.5	3.0	2.5	2.7	2.2
C.V.(%) Error A		3.4	1.6	3.2	2.8	2.9	1.7
F(5%)		s	n.s.	n.s.	s	s	n.s.
PMH 2		6564	82.3	82.5	79.6	82.1	112.2
Parkash		5039	83.2	83.2	79.1	81.0	111.2
JH 3956		7005	82.5	86.9	79.4	80.8	113.7
PMH 1		7238	83.2	86.0	84.9	86.9	117.2
C.D.(5%)Bi-Bj		397.4	2.5	2.9	2.1	2.2	1.7
C.V.(%)ErrorB		6.2	3.0	3.5	2.6	2.7	1.5
F(5%)		s	n.s.	s	s	s	s

Cont..

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Main Plot (Method of sowing)	Sub Plot (Genotypes)	Plant height (cm)	Ear placement (cm)	Cob length (cm)	Cob girth (cm)	No. of grain rows/cob
Flat sowing	PMH 2	143.0	55.7	14.6	4.1	12.4
	Parkash	142.3	59.0	13.5	3.7	11.3
	JH 3956	153.0	57.0	14.6	4.0	12.0
	PMH 1	174.3	82.3	15.6	4.3	14.0
Ridge sowing	PMH 2	148.7	56.7	15.7	4.3	14.9
	Parkash	147.3	62.0	14.6	4.3	12.7
	JH 3956	154.0	61.3	15.9	4.3	13.3
	PMH 1	178.7	85.7	17.0	4.6	15.3
Trench sowing	PMH 2	140.7	53.7	15.6	4.2	13.8
	Parkash	140.0	53.0	14.1	3.9	12.4
	JH 3956	147.3	56.3	15.1	4.2	12.7
	PMH 1	164.0	75.0	16.5	4.4	14.7
Location mean		152.8	63.1	15.2	4.2	13.3
C.D.(5%) AiBj-AiBk		19.8	5.6	0.8	0.3	2.4
C.D.(5%) AiBk-AjBk		22.9	8.3	1.0	0.3	2.6
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.
Flat sowing		153.2	63.5	14.6	4.1	12.4
Ridge sowing		157.2	66.4	15.8	4.4	14.1
Trench sowing		148.0	59.5	15.3	4.2	13.4
C.D.(5%) Ai-Aj		15.5	6.9	0.7	0.1	1.6
C.V.(%) Error A		8.9	9.6	3.9	2.4	10.4
F(5%)		n.s.	n.s.	s	s	n.s.
PMH 2		144.1	55.3	15.3	4.2	13.7
Parkash		143.2	58.0	14.1	4.0	12.1
JH 3956		151.4	58.2	15.2	4.2	12.7
PMH 1		172.3	81.0	16.4	4.4	14.7
C.D.(5%)Bi-Bj		11.4	3.2	0.5	0.2	1.4
C.V.(%)ErrorB		7.6	5.1	3.0	4.8	10.6
F(5%)		s	s	s	s	s

Table 6 - Plant preparation and nutrient requirement for seed production of inbred parent of DHM 117 i.e. Female BML-6 at Karimnagar.

Main Plot (plant population)	Sub Plot (Fertility levels)	Grain yield (kg/ha)	Cob yield (kg/ha)	Plant height (cm)	Ear placement (cm)	Days to 50% flowering	Cob length (cm)
S 1	F1	2940	3623	163.3	80.7	56.7	13.3
	F2	3407	4315	172.7	81.7	59.7	13.8
	F3	3363	4154	167.0	82.7	57.7	14.2
	F4	3232	4110	168.7	76.4	55.0	14.3
S 2	F1	2637	3594	169.7	73.3	56.7	12.8
	F2	3549	4386	173.3	84.7	60.3	13.4
	F3	3288	4282	173.7	84.0	57.3	14.3
	F4	3236	4165	170.0	83.3	55.3	14.5
Location mean		3206.6	4078.6	169.8	80.8	57.3	13.8
C.D.(5%) AiBj-AiBk		557.6	764.4	13.5	9.2	1.1	2.0
C.D.(5%) AiBk-AjBk		710.3	1249.9	14.6	15.3	2.0	2.4
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S 1		3236	4050	167.9	80.4	57.3	13.9
S 2		3178	4107	171.7	81.3	57.4	13.8
C.D.(5%) Ai-Aj		574.8	1142.0	9.8	14.0	1.9	1.8
C.V.(%) Error A		10.2	15.9	3.3	9.9	1.9	7.5
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
F1		2789	3608	166.5	77.0	56.7	13.0
F2		3478	4351	173.0	83.2	60.0	13.6
F3		3326	4218	170.3	83.3	57.5	14.2
F4		3234	4138	169.3	79.9	55.2	14.4
C.D.(5%)Bi-Bj		394.3	540.5	9.5	6.5	0.8	1.4
C.V.(%)ErrorB		9.8	10.5	4.5	6.4	1.1	8.1
F(5%)		s	n.s.	n.s.	n.s.	s	n.s.

Treatments details

A) Main plot Treatment

Plant population (plant/ha)

S1 – 75000 (67 cms x 20 cms)

S2 - 60000 (67 cm x 25 cms)

B) Sub plot treatment

Fertility levels : 4 levels

F1: 200-75-75 N : P_2O_5 : K_2O Kg/ha

F2: FYM (15 t/ha) +200-75-75 N : P_2O_5 : K_2O Kg/ha

F3: FYM (15 t/ha) +250-90-90 N : P_2O_5 : K_2O Kg/ha

F4: FYM (15 t/ha) +300-105-105 N : P_2O_5 : K_2O Kg/ha Zinc Sulphate @ 50 kg/ha

Cont….

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Main Plot (plant population)	Sub Plot (Fertility levels)	Cob girth (cm)	No. of grain rows/cob	No. of grains/row	Cob weight (cm)	Shelling (%)	Grain weight/ cob
S 1	F1	13.7	14.8	29.2	117.6	80.0	94.7
	F2	14.2	15.3	31.0	133.5	81.0	107.6
	F3	14.1	15.0	30.3	130.4	77.7	106.5
	F4	13.5	14.7	28.3	126.5	77.4	97.4
S 2	F1	13.3	14.8	27.0	107.1	76.9	94.8
	F2	14.2	15.9	32.3	134.5	80.8	109.8
	F3	13.8	15.2	31.6	131.5	78.9	105.7
	F4	13.1	14.8	29.5	125.6	76.3	104.2
Location mean		13.7	15.1	29.9	125.9	78.6	102.6
C.D.(5%) AiBj-AiBk		1.2	1.3	5.0	19.6	5.4	19.8
C.D.(5%) AiBk-AjBk		1.8	1.3	5.0	22.0	6.4	20.4
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S 1		13.9	15.0	29.7	127.0	79.0	101.5
S 2		13.6	15.2	30.1	124.7	78.2	103.6
C.D.(5%) Ai-Aj		1.6	0.7	2.8	15.5	4.8	12.6
C.V.(%) Error A		6.7	2.7	5.4	7.0	3.5	7.0
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
F1		13.5	14.8	28.1	112.4	78.5	94.8
F2		14.2	15.6	31.6	134.0	80.9	108.7
F3		14.0	15.1	31.0	131.0	78.3	106.1
F4		13.3	14.8	28.9	126.1	76.9	100.8
C.D.(5%)Bi-Bj		0.9	0.9	3.5	13.9	3.8	14.0
C.V.(%)ErrorB		4.9	4.7	9.4	8.8	3.9	10.8
F(5%)		n.s.	n.s.	n.s.	s	n.s.	n.s.

Table 7 - Plant preparation and nutrient requirement for seed production of inbred parent of DHM 117 i.e. Female BML-7 at Karimnagar.

Main Plot plant population	Sub Plot Fertility levels	Grain yield (kg/ha)	Cob yield (kg/ha)	Plant height (cm)	Ear placement (cm)	Days to 50% flowering	Cob length (cm)
S 1	F1	2325	2801	160.7	62.0	52.7	14.3
	F2	3460	4119	170.0	66.7	53.0	16.2
	F3	3359	3967	166.3	66.3	54.0	15.8
	F4	3013	3877	163.0	64.3	53.7	16.7
S 2	F1	2507	3138	168.0	63.3	52.0	14.7
	F2	3585	4278	177.3	75.0	52.3	17.1
	F3	3265	3987	170.0	63.3	52.7	16.7
	F4	3059	3751	164.0	64.0	53.3	15.7
Location mean		3071.7	3739.7	167.4	65.6	53.0	15.9
C.D.(5%) AiBj-AiBk		164.3	531.2	27.2	16.2	2.3	2.3
C.D.(5%) AiBk-AjBk		839.5	1692.6	40.9	27.4	2.6	2.7
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S 1		3039	3691	165.0	64.8	53.3	15.8
S 2		3104	3789	169.8	66.4	52.6	16.1
C.D.(5%) Ai-Aj		837.8	1675.9	36.4	25.3	1.9	2.1
C.V.(%) Error A		15.5	25.5	12.4	21.9	2.0	7.3
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
F1		2416	2970	164.3	62.7	52.3	14.5
F2		3523	4198	173.7	70.8	52.7	16.7
F3		3312	3977	168.2	64.8	53.3	16.2
F4		3036	3814	163.5	64.2	53.5	16.2
C.D.(5%)Bi-Bj		116.2	375.6	19.2	11.4	1.6	1.6
C.V.(%)ErrorB		3.0	8.0	9.1	13.9	2.4	8.0
F(5%)		s	s	n.s.	n.s.	n.s.	n.s.

Treatments details

A) Main Treatments

Plant population

S1 - 75000 (67cms x 20 cms)

S2 - 60000 (67cms x 25 cms)

B) Sub treatments

Fertility levels : 4 levels

F1: 200-75-75 N : P_2O_5 : K_2O Kg/ha

F2: FYM (15 t/ha) +200-75-75 N : P_2O_5 : K_2O Kg/ha

F3: FYM (15 t/ha) +250-90-90 N : P_2O_5 : K_2O Kg/ha

F4: FYM (15 t/ha) +300-105-105 N : P_2O_5 : K_2O Kg/ha Zinc Sulphate @ 50 kg/ha

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Main Plot (plant population)	Sub Plot (Fertility levels)	Cob girth (cm)	No. of grain rows/cob	No. of grains/row	Cob weight (cm)	Shelling (%)	Grain weight/ cob
S 1	F1	11.9	11.5	25.2	82.3	74.3	61.4
	F2	12.9	13.8	29.0	88.0	80.6	70.9
	F3	12.3	13.8	26.7	87.3	80.1	69.9
	F4	12.1	13.3	26.4	83.7	77.1	64.6
S 2	F1	11.5	12.2	25.4	84.5	76.4	64.5
	F2	13.2	14.6	29.2	93.7	81.7	76.5
	F3	12.5	13.4	27.5	90.4	79.4	71.8
	F4	12.3	13.3	26.5	86.0	77.7	66.8
Location mean		12.3	13.3	27.0	87.0	78.4	68.3
C.D.(5%) AiBj-AiBk		1.2	1.4	3.0	5.6	8.4	7.2
C.D.(5%) AiBk-AjBk		1.8	1.7	3.4	12.2	7.5	12.1
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S 1		12.3	13.1	26.8	85.3	78.0	66.7
S 2		12.4	13.4	27.2	88.6	78.8	69.9
C.D.(5%) Ai-Aj		1.6	1.3	2.5	11.8	2.4	11.2
C.V.(%) Error A		7.6	5.7	5.2	7.7	1.7	9.3
F(5%)		n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
F1		11.7	11.9	25.3	83.4	75.4	62.9
F2		13.1	14.2	29.1	90.8	81.2	73.7
F3		12.4	13.6	27.1	88.8	79.8	70.8
F4		12.2	13.3	26.5	84.8	77.4	65.7
C.D.(5%)Bi-Bj		0.8	1.0	2.1	4.0	5.9	5.1
C.V.(%)ErrorB		5.4	5.8	6.2	3.6	6.0	5.9
F(5%)		s	s	s	s	n.s.	s

Table 8 - Evaluation of interactive effect of Plant density, geometry and fertility levels on productivity of maize under irrigated conditions at Hyderabad.

Main Plot Plant density	Sub Plot Fertility levels	Grain yield (kg/ha)	Cob yield (kg/ha)	No. of plant ('000/ha)	No. of cobs ('000/ha)	Plant height (cm)	Days to 50% flowering
P1	F1	6007	7277	58.9	46.9	191.7	61.7
	F2	6766	7785	59.6	49.3	203.3	61.7
	F3	7102	8602	59.8	50.7	217.0	61.0
	F4	7335	9168	60.2	51.5	218.3	61.3
P2	F1	6649	7289	61.3	57.0	196.7	62.7
	F2	7235	8179	63.0	60.7	223.0	63.0
	F3	7840	9463	64.6	63.3	227.3	63.3
	F4	8091	10048	65.6	64.1	230.7	62.7
P3	F1	7087	7330	66.5	64.1	230.7	58.3
	F2	7720	8429	69.3	67.2	235.7	60.0
	F3	8772	10708	71.5	67.4	241.0	62.7
	F4	8971	11087	71.9	69.6	241.0	61.3
Location mean		7464.5	8780.6	64.3	59.3	221.4	61.6
C.D.(5%) AiBj-AiBk		579.4	781.7	2.1	3.3	7.1	1.3
C.D.(5%) AiBk-AjBk		615.1	945.4	2.0	5.0	9.5	1.5
F(5%)		n.s.	s	n.s.	n.s.	s	s
P1		6802	8208	59.6	49.6	207.6	61.4
P2		7454	8745	63.6	61.3	219.4	62.9
P3		8138	9389	69.8	67.1	237.1	60.6
C.D.(5%) Ai-Aj		364.1	672.7	0.8	4.2	7.3	1.0
C.V.(%) Error A		4.3	6.8	1.2	6.3	2.9	1.5
F(5%)		s	s	s	s	s	s
F1		6581	7298	62.2	56.0	206.3	60.9
F2		7240	8131	64.0	59.1	220.7	61.6
F3		7904	9591	65.3	60.5	228.4	62.3
F4		8132	10101	65.9	61.7	230.0	61.8
C.D.(5%)Bi-Bj		334.5	451.3	1.2	1.9	4.1	0.7
C.V.(%)ErrorB		4.5	5.2	1.9	3.2	1.9	1.2
F(5%)		s	s	s	s	s	s

Main plots:
Plant density (population/ha)

1. 60,000 (67x25 cm)
2. 66,666 (67x22.5 cm)
3. 75,000 (67x20 cm)

Sub-plots:
Fertility levels

1.150:60:60 (N:P_2O_5:K_2O kg/ha)
2. 200:75:75 (N:P_2O_5:K_2O kg/ha)
3. 250:90:90 (N: P_2O_5:K_2O kg/ha)
4. 300:105:105 (N: P_2O_5:K_2Okg/ha)

Table 9 - Integrated weed management in strip system at Vagarai.

Treatment	Grain yield (kg/ha)	Cob yield (kg/ha)	Plant stand ('000/ha)	No. of cobs ('000/ ha)	Plant height (cm)	Cob length (cm)	Cob girth (cm)	100 grain weight (g)	Weed dry matter (kg/sq.m)
T_1	4558	6365	62.3	61.7	184.2	16.9	12.3	25.1	0.2
T_2	4363	6128	62.6	62.2	182.8	15.0	12.7	26.2	0.2
T_3	4657	6423	63.4	62.5	180.0	16.0	12.8	28.4	0.2
T_4	4332	6064	63.0	59.4	183.6	16.7	12.8	25.7	0.3
T_5	4244	5956	61.9	59.0	182.1	17.0	13.4	24.8	0.3
T_6	4167	5762	62.7	58.9	186.7	16.8	13.5	24.3	0.3
T_7	4731	6481	62.3	61.7	186.5	17.8	13.3	27.0	0.2
T_8	4123	5689	62.0	60.0	179.3	15.2	12.6	22.8	0.2
T_9	4010	5502	61.2	58.3	175.8	17.3	12.7	21.2	0.3
T_{10}	3683	5295	60.3	55.3	171.3	15.7	12.3	23.9	0.4
T_{11}	4825	6029	63.7	62.5	188.7	16.2	12.8	24.2	0.2
Mean	4335.7	5972.2	62.3	60.1	181.9	16.4	12.8	24.9	0.3
CD	224.1	270.2	2.2	3.6	11.8	3.1	1.0	3.6	0.3
CV (%)	3.0	2.7	2.1	3.6	3.8	11.1	4.5	8.4	65.8
Significance	S	S	N.S.	S	N.S.	N.S.	N.S.	S	N.S.

Treatment details

T1 : Atrazine 1.0 kg a.i./ha pre em.
T2 : Metribuzin 0.25 kg a.i./ha pre em.
T3 : Alachlor 0.5 kg a.i./ha + Atrazine 0.5 kg a.i./ha pre em
T4 : Glyphosate 1.0 kg a.i./ha pre plant fb Atrazine 375 g a.i./ha pre em + Alachlor 0.5 kg a.i./ha pre em.
T5 : Glyphosate 1.0 kg a.i./ha pre plant + 2,4 DEE 0.1 kg a.i./ha
T6 : Glyphosate 1.0 kg a.i./ha pre plant + castor oil 4.0 lit/ha
T7 : Atrazine 0.5 kg a.i./ha fb 2,4 DEE 0.4 kg a.i./ha post em. at 25 DAS
T8 : Maize + cover crop (cowpea)
T9 : Maize + cover crop (Moong bean)
T10 : Weedy check
T11 : Weed free

Table 10 - Residual effect of integrated weed management as Chickpea grown in maize - chickpea sequence at Arabhavi.

Treatments	Chickpea yield (kg/ha)	Stalk yield (kg/ha)	Plant height (cm)	No. of Branches/ plant	No. of pods/plant	Dry matter (g/plant)	Grain weight (g /5 plant)	100 grain weight (g)
T_1	563	1197	32.2	3.8	33.1	14.1	8.2	30.3
T_2	737	644	31.9	4.0	35.3	17.1	10.7	22.7
T_3	656	600	33.3	4.2	36.9	17.1	8.5	23.7
T_4	530	1200	29.5	3.8	35.8	15.8	9.1	21.7
T_5	680	1075	31.0	4.3	35.1	14.9	9.4	20.7
T_6	452	1040	32.0	4.0	35.2	16.0	10.5	25.7
T_7	440	1212	32.2	3.7	38.4	16.3	7.7	27.7
T_8	607	1218	31.6	3.5	41.2	17.4	7.9	26.7
T_9	893	1583	30.7	3.5	32.6	20.1	9.0	26.3
T_{10}	781	966	34.3	4.8	36.7	18.9	10.3	24.7
T_{11}	314	1716	33.9	5.4	34.6	16.9	8.4	25.7
T_{12}	454	1558	32.0	4.2	33.9	18.2	8.3	20.7
T_{13}	425	1347	31.7	3.8	38.6	18.8	9.1	21.7
T_{14}	391	1321	30.6	4.6	37.3	22.8	10.7	27.3
T_{15}	362	888	30.3	4.1	25.6	15.5	7.5	22.3
Mean	552.9	1171.3	31.8	4.1	35.4	17.3	9.0	24.5
CD	166.7	427.4	2.4	0.7	7.3	3.2	2.6	4.6
CV (%)	18.0	21.8	4.5	9.9	12.3	11.2	17.4	11.3
Significance	S	S	S	S	N.S.	S	N.S.	S

Treatments Details:

T_1 - Atrazine @ 1.00 Kg a.i. ha^{-1} (PRE).

T_2 - Metribuzine @ 0.25 Kg a.i. ha^{-1} (PRE).

T_3 - Alachlor @ 0.50 kg a.i. ha^{-1} + Atrazine @1.0 Kg a.i. ha^{-1} (PRE).

T_4 - Glyphosate @ 1.00 Kg a.i. ha^{-1} pre plant followed by (fb) Atrazine @ 375 g a.i. ha^{-1} + Alachlor @ 0.50 Kg a.i. ha-1 (PRE).

T_5 - Glyphosate @ 1.00 Kg a.i. ha^{-1} pre plant fb 2,4-D @ 2.00 Kg a.i. ha^{-1} (POST) .

T_6 - Glyphosate @ 1.00 Kg a.i. ha^{-1} pre plant + Castor oil @ 4.00 l ha^{-1}.

T_7 - Atrazine @ 1.25 Kg a.i. ha^{-1} (PRE) fb Atrazine @ 1.50 Kg a.i. ha^{-1} (PRE) to weeds.

T_8 - Atrazine @ 1.00 Kg a.i. ha^{-1} (PRE) Fb 2, 4-D @ 2.00 Kg a.i. ha^{-1} (POST).

T_9 - Alachlor @ 1.00 Kg a.i. ha^{-1} (PRE) fb Oxyfluorfen @ 0.20 kg a.i. ha^{-1} (POST) directed spray.

T_{10} - Atrazine @ 1.50 Kg a.i. ha^{-1} (PRE)

T_{11} - Oxyfluorfen @ 0.15 kg a.i. ha^{-1} (PRE).

T_{12} - Maize + Cover crop (cowpea).

T_{13} - Maize + Cover crop (moong bean).

T_{14} - Weed free check.

T_{15} - Weedy check.

Table 11 - Weed management in wheat grown after maize in sequence at Banswara.

Treatments		Grain yield (kg/ha)
T_1	2, 4-D ester @500 g a.i./ha	4444
T_2	Isoproturon @ 1000 g a.i./ha	3644
T_3	Metribuzin @ 250 g a.i. /ha	3844
T_4	Metsulfuron methyl @ 4g a.i. /ha	4333
T_5	Glyphosate @ 1000g a.i./ha PPI fb 2, 4-D ester @500 g a.i./ha POE	5000
T_6	Glyphosate @ 1000g a.i./ha PPI fb Isoproturon @ 1000 g a.i./ha POE	4522
T_7	Sulfosulfuron @ 25 g a.i./ha	4307
T_8	Clodinafop @ 60 g a.i./ha	4569
T_9	Clodinafop+Metsulfuron @ 60g a.i./ha	4689
T_{10}	Sulfosulfuron+Metsulfuron @ 32g a.i./ha	4978
T_{11}	Weedy check	3544
T_{12}	Weed free	5204
Mean		4423.3
CD		890.6
CV (%)		11.9
Significance		S

Table 12 - Integrated weed management trial in maize under rice-maize system at Hyderabad.

Treatment	Grain yield (Kg/ha)	Cob yield (Kg/ha)	No. of Plant ('000/ha)	Plant Height (cm)	Weed dry matter (g/m^2)	Weed count		Shelling %
						Grasses	Broad Leaves Weed	
T_1	5373	7383	47.2	212.0	24.0	30.0	14.0	70.9
T_2	4915	7126	49.6	208.7	21.3	24.0	15.0	69.2
T_3	5270	7248	51.3	212.3	20.3	23.0	1.0	70.8
T_4	5526	7442	55.2	238.3	19.0	20.0	7.0	71.3
T_5	6832	9047	58.5	232.0	14.0	10.0	2.0	74.5
T_6	5773	7817	51.9	211.0	18.0	18.0	3.3	50.0
T_7	5620	7580	52.4	232.7	16.0	14.0	3.0	72.9
T_8	5515	7585	52.6	208.3	19.0	22.0	4.0	71.8
T_9	6093	8487	54.4	236.0	15.3	12.0	4.0	72.8
T_{10}	5178	7814	54.8	207.3	21.3	20.0	8.0	66.2
T_{11}	5058	7395	50.2	206.0	21.3	22.0	8.0	66.7
T_{12}	4840	7396	48.7	188.0	28.7	36.0	16.3	64.0
T_{13}	6683	9047	60.2	241.3	8.7	6.0	1.0	73.5
Mean	5590.5	7797.4	52.8	218.0	19.0	19.8	6.7	68.8
CD	759.4	967.0	5.4	12.5	5.4	5.6	4.3	18.2
CV (%)	8.1	7.4	6.1	3.4	16.8	17.0	38.2	15.7
Significance	S	S	S	S	S	S	S	N.S.

Treatments details

T_1	Atrazine @ 1.0 kg ai/ha as pre-eme (1-2 DAS)
T_2	Metribuzine @ 0.25 kg a.i /ha as pre-eme
T_3	Alachlor @0.5 kg a.i./ha + Atrzine 0.5 kg a.i /ha as pre-eme
T_4	Glyphosate @1.0 kg a.i./ha pre plant fb + Atrzine 375 g a.i./ ha+ Alachlor 0.5 kg a.i. /ha pre-eme
T_5	Glyphosate @1.0 kg a.i./ha pre plant + 2,4-DEE 0.1 kg a.i./ha as post-emer
T_6	Glyphosate @1.0 kg a.i./ha pre plant + Castor oil 4.0 lit/ha
T_7	Atrzine 0.5 kg a.i /ha fb2,4-DEE 0.4 kg a.i./ha post-emer at 25 DAS
T_8	Topremezene@ 40 g ha^{-1}post emer at 20 DAS
T_9	Atrazine 0.5 kg a.i/ha fb Topremezene@ 40 g ha^{-1}
T_{10}	Maize + Cover (cowpea)
T_{11}	Maize + Cover (moong bean)
T_{12}	Weedy check
T_{13}	Weed free

Table 13 - Nutrient management in maize based cropping system through exploring bio-fertilizers at Vagarai.

Treatment	Grain yield (kg/ha)	Cob yield (kg/ha)	Plant stand ('000/ha)	No. of cobs ('000/ ha)	Plant height (cm)	Cob length (cm)	100 grain weight (g)
T_1	3931	5411	60.6	60.1	189.3	17.0	24.7
T_2	4243	5851	61.3	60.4	194.4	17.2	29.3
T_3	4432	6026	63.6	62.5	194.9	17.1	27.3
T_4	4566	6356	61.4	60.8	195.1	17.5	26.7
T_5	4661	6458	62.1	61.6	196.3	18.3	22.0
T_6	4749	6471	62.5	62.0	196.7	16.8	26.0
T_7	4905	6589	61.8	61.2	196.3	17.3	25.3
T_8	5133	7093	60.5	60.5	196.6	17.5	26.0
Mean	4577.8	6282.0	61.7	61.2	195.0	17.3	25.9
CD	162.2	245.7	1.6	1.5	10.9	2.2	13.8
CV (%)	2.0	2.2	1.5	1.4	3.2	7.1	30.5
Significance	S	S	S	S	N.S.	N.S.	N.S.

Treatment details	
T_1	: 150:60:60 N : P_2O_5 : K_2O Kg/ha
T_2	: 150:60:60 N : P_2O_5 : K_2O Kg/ha + *Azospirillum*
T_3	: 150:60:60 N : P_2O_5 : K_2O Kg/ha + *Azospirillum* + Phosphobacteria
T_4	: 200:75:75 N : P_2O_5 : K_2O Kg/ha
T_5	: 200:75:75 N : P_2O_5 : K_2O Kg/ha + *Azospirillum*
T_6	: 200:75:75 N : P_2O_5 : K_2O Kg/ha + *Azospirillum* + Phosphobacteria
T_7	: 250:90:90 N : P_2O_5 : K_2O Kg/ha
T_8	: 300:105:105 N : P_2O_5 : K_2O Kg/ha

Table 14 - Site Specific Nutrient management in wheat grown after maize at Arabhavi.

Treatments	Grain Yield (kg/ha)	Straw yield (kg/ha)	Plant Height (cm)	Ear length (cm)	No. of tillers /50 cm row length	No. of Ears / 50 cm row length	Total Dry matter weight (g/50 cm) row length
T_1	3239	6931	51.7	5.6	121.7	121.7	113.3
T_2	4279	9994	68.9	7.5	140.0	140.0	132.7
T_3	4176	7939	61.1	7.0	171.7	171.7	137.3
T_4	4151	8177	63.9	6.6	171.7	166.7	148.7
T_5	3591	7391	54.5	5.7	141.7	155.0	123.3
T_6	3744	9118	65.0	6.6	140.0	136.7	127.0
T_7	4192	8927	62.6	6.5	145.0	144.0	149.3
Mean	3910.7	8354.2	61.1	6.5	147.4	148.0	133.1
CD	506.9	1342.2	5.4	0.7	14.5	21.0	9.4
CV (%)	7.3	9.0	5.0	6.4	5.5	8.0	4.0
Significance	S	S	S	S	S	S	S

Treatment	Fertilizers applied (kg/ha)		
	N	P_2O_5	K_2O
T_1 – Control	0	0	0
T_2 – State RDF	150	75	37.5
T_3 – DMR RDF	120	60	40
T_4 – SSNM for NPK	130	60	0
T_5 – SSNM for N	0	60	0
T_6 – SSNM for P	130	0	0
T_7 – SSNM for K	130	60	0

Table 15 - Site specific nutrient management in maize grown after rice at Godhra.

Treatment	Grain yield (Kg/ha)	Fodder yield (Kg/ha)	Plant stand ('000/ha)	Days to 50% pollen shed	Plant height (cm)
T_1	7334	8806	67.2	53.7	194.7
T_2	9625	11861	71.9	54.7	208.7
T_3	11361	14167	74.2	54.7	215.7
T_4	9458	11833	71.4	55.7	206.3
T_5	7722	9639	68.9	54.3	197.0
T_6	10497	13111	71.7	55.7	214.0
T_7	12422	15500	76.9	54.7	220.3
Mean	9774.4	12131.0	71.7	54.8	208.1
CD	1090.1	1371.4	3.2	0.8	4.3
CV (%)	6.3	6.4	2.5	0.8	1.2
Significance	S	S	S	S	S

Treatment	As per treatment (kg/ha) as under			
	N	P	K	Zn
T_1	0	0	0	0
T_2	100	25	0	25
T_3	150	60	40	25
T_4	277.5	120.4	0	25
T_5	0	120.4	0	25
T_6	277.5	0	0	25
T_7	226	120.4	0	25

Table 16 - Performance of Winter Maize based intercropping system of Bahraich.

Treatment	Grain yield of Maize (kg/ha)	Yield of Intercrop (kg/ha)	Plant stand ('000/ha)	Nos. of cobs ('000/ha)	Plant height (cm)	Days to 50% Silking
Pure maize	9378	0	77.5	78.3	165.0	115.0
Maize + Garlic (1:1)	9022	917	75.6	75.6	163.3	114.0
Maize + Garlic (1:2)	8422	1194	75.3	75.3	170.0	114.0
Maize + Onion (1:1)	6956	4167	73.1	73.1	163.3	115.0
Maize + Onion (1:2)	6950	5639	73.3	73.6	163.3	111.0
Maize + Turnip (1:1)	5400	8333	73.3	71.4	161.0	115.0
Maize + Turnip (1:2)	5011	12583	71.1	72.5	156.0	113.0
Maize + Carrot (1:1)	4050	6639	68.1	67.8	155.0	115.0
Maize + Carrot (1:2)	2703	10000	78.1	75.8	160.7	112.0
Mean	6432.4	5496.9	73.9	73.7	162.0	113.8
CD	167.2	370.0	1.4	2.2	2.2	1.2
CV (%)	1.5	3.9	1.1	1.7	0.8	0.6
Significance	S	S	S	S	S	S

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Out of 28 maize germplasms screened under artificial infestation of stem borer, *C. partellus*, at Kolhapur, 4 (Four) entries viz.: DMR-1102 (2.00), DMR -1109 (2.00), DMR – 1124 (2.80) and DMR – 1128 (2.50) were found to be the least susceptible. The remaining 14 (fourteen) entries were found to be moderately susceptible. However, remaining 10 (ten) entries were found to be highly susceptible the stem borer infestation.

At Hyderabad 12 germplasm were screened for *Sesamia inferens*, out of which five were found to be least susceptible, four moderately susceptible and three most susceptible.

Phenotypic characterization six lines tolerant to Pink borer (*Sesamia inferens* Walker) was done as per DUS guidelines at WNC, DMR, Hyderabad 2010-11

RABI 2010-11

1 Trial No. : **Trial No. 11**
2 Title : Screening of maize germplasm against stemborer, *Chilo partellus* Swinhoe under artificial larval release condition.
3 Name of the scientist : Prof. S. A. Patil, Asstt. Maize Entomologist
Shri. S. S. Mahadik, Sr. Res. Asstt.
4 Experiment details : AICRP, Maize, Kolhapur, RBD, 2/28, 4 x 0.75 m, 120:60:40

Location : **Kolhapur**
Date of sowing : 26/01/2011 **Date of germination** : 05/02/2011
Date of Infestation : 17 & 18/02/2011 **Date of observation** : 17/03/2011

Sr. No.	Entry Code	Mean	Category
1	DMR-1101	8.1	Highly Susceptible
2	DMR-1102	2.0	Least Susceptible
3	DMR-1103	4.8	Moderately Susceptible
4	DMR-1104	4.8	Moderately Susceptible
5	DMR-1105	6.1	Highly Susceptible
6	DMR-1106	5.3	Moderately Susceptible
7	DMR-1107	6.9	Highly Susceptible
8	DMR-1108	5.3	Moderately Susceptible
9	DMR-1109	2.0	Least Susceptible
10	DMR-1110	6.2	Highly Susceptible
11	DMR-1111	3.3	Moderately Susceptible
12	DMR-1112	5.2	Moderately Susceptible
13	DMR-1113	3.1	Moderately Susceptible
14	DMR-1114	6.4	Highly Susceptible
15	DMR-1115	5.1	Moderately Susceptible
16	DMR-1116	6.1	Highly Susceptible
17	DMR-1117	5.1	Moderately Susceptible
18	DMR-1118	5.2	Moderately Susceptible
19	DMR-1119	4.4	Moderately Susceptible
20	DMR-1120	4.3	Moderately Susceptible
21	DMR-1121	7.8	Highly Susceptible
22	DMR-1122	6.1	Highly Susceptible
23	DMR-1123	7.0	Highly Susceptible
24	DMR-1124	2.8	Least Susceptible
25	DMR-1125	4.4	Moderately Susceptible
26	DMR-1126	6.5	Highly Susceptible
27	DMR-1127	5.3	Moderately Susceptible
28	DMR-1128	2.5	Least Susceptible

Result:

Out of 28 maize germplasm screened under artificial infestation of stem borer, *C. partellus,* 4 (four) entries *viz.;* DMR-1102 (2.00), DMR-1109 (2.00), DMR-1124 (2.80), and DMR-1128 (2.50) were found to be least susceptible and 14 (fourteen) entries were found to be moderately susceptible. However, remaining 10 (ten) entries were found to be highly susceptible to the stem borer infestation.

Table 2: Phenotypic characterization of Pink borer (*Sesamia inferens* Walker) tolerant lines as per DUS guidelines (WNC, DMR, Hyderabad 2010-11 Rabi)

S. No.	Characters	Stage Code	WNZPBTL 1 (E 4)	WNZPBTL 4 (E 30)	WNZPBTL 5 (E 37)	WNZPBTL 7 (E 60)	WNZPBTL 8 (E 62)	WNZPBTL 9 (E 63)
1.	Leaf: angle between blade and Stem (on leaf just above upper ear)	61	Small (3)	Wide (7)	Wide (7)	Small (3)	Small (3)	Wide (7)
2.	Leaf attitude of blade (on leaf just above upper ear)	61	Straight (1)	Curved (9)	Curved (9)	Straight (1)	Straight and curved in the end (1)	Curved (9)
3.	Stem: anthocyanin colouration of brace roots	65-75	Absent (1)	Present (9)	Absent (1)	Absent (1)	Absent (1)	Present (9)
4.	Tassel: time of anthesis(on middle third of main axis, 50% of plants)	65	Early (3)	Early (3)	Early (3)	Early (3)	Early (3)	Early (3)
5.	Tassel: anthocyanin colouration at base of glumes (in middle third of main axis)	65	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
6.	Tassel: anthocyanin colouration of glumes excluding base (in middle third of main axis)	65	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
7.	Tassel: anthocyanin colouration of Anthers (in middle third of main axis on fresh anthers)	65	Present (9)	Present (9)	Present (9)	Lightly Present (9)	Very lightly present (9)	Present (Dark Purple colour) (9)
8.	Tassel: density of spikelets (in middle third of main axis on fresh anthers)	65	Sparse (3)	Sparse (3)	Sparse (3)	Dense (7)	Sparse (3)	Sparse (3)
9.	Tassel: angle between main axis and lateral branches (in lower third of tassel)	65	Wide (7)	Wide (7)	Wide (7)	Wide (7)	Narrow (3)	Wide (7)
10.	Tassel: attitude of lateral branches (in lower third of tassel)	65	Curved (5)	Curved (5)	Strongly curved (9)	Straight (1)	Straight (1)	Curved (5)
11.	Ear: time of silk emergence (50% plants)	65	Early (3)	Early (3)	Early (3)	Early (3)	Early (3)	Early (3)
12.	Ear: anthocyanin colouration of silks (on day of emergence)	65	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)

Table 2: Contd……..

S. No.	Characters	Stage Code	WNZPBTL 1 (E 4)	WNZPBTL 4 (E 30)	WNZPBTL 5 (E 37)	WNZPBTL 7 (E 60)	WNZPBTL 8 (E 62)	WNZPBTL 9 (E63)
13.	Leaf: anthocyanin colouration of sheath (below the ear)	71	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
14.	Tassel: length of main axis above lowest side branch	71	Medium (5)	Long (7)	Long (7)	Long (7)	Long (7)	Medium (5)
15.	Inbred lines only plant length (up to flag leaf)	75	Long (7)	Long (7)	Medium (5)	Medium (5)	Long (7)	Medium (5)
16.	Plant: ear placement	75	High (7)	High (7)	Medium (5)	Medium (5)	Medium (5)	Medium (5)
17.	Leaf: width of blade (leaf of upper ear)	75	Narrow (3)	Narrow (3)	Narrow (3)	Narrow (3)	Narrow (3)	Narrow (3)
18.	Ear: length (without husk)	92	Medium (5)	Medium (5)	Long (7)	Medium (5)	Medium (5)	Short (3)
19.	Ear: diameter (in middle)	92	Small (3)	Medium (5)	Medium (5)	Medium (5)	Small (3)	Small (3)
20.	Ear: shape	92	Conical (1)	Conico-cylindrical (2)	Conico-cylindrical (2)	Conico-cylindrical (2)	Conico-cylindrical (2)	Conical (1)
21.	Ear: number of rows of grains	92	Medium (5)	Many (7)	Medium (5)	Many (7)	Medium (5)	Medium (5)
22.	Ear: type of grain (in middle third of ear)	92	Flint (1)	Flint (1)	Flint (1)	Flint (1)	Flint (1)	Flint (1)
23.	Ear: colour of top of grain	92	Yellow (3)	Yellow with cap (4)	Yellow (3)	Yellow with cap (4)	Yellow (3)	Yellow (3)
24.	Ear: colouration of glumes of cob	93	White (1)	White (1)	White (1)	White (1)	White (1)	White (1)
25.	Kernel row arrangement	93	Straight (1)	Straight (1)	Straight (1)	Straight (1)	Straight (1)	Straight (1)
26.	Kernel: Poppinesss		Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
27.	Kernel: Sweetness		Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
28.	Kernel: Waxiness		Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
29.	Kernel: Opaqueness		Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)	Absent (1)
30.	Grain shape	93	Round (2)	Round (2)	Round (2)	Toothed (4)	Round (2)	Round (2)
31.	1000 Kernel weight	93	Medium (5)	Medium (5)	Medium (5)	Medium (5)	Medium (5)	Small (3)
32.	Mean leaf injury rating (1-9 scale)		**Resistant to Pink borer (**2.88)	**Moderately Resistant to Pink borer (**3.64)	**Moderately Resistant to Pink borer (**3.54)	**Moderately Resistant to Pink borer (**3.47)	Resistant to Pink borer (2.80)	Resistant to Pink borer (2.00)

Mean LIR of resistant check CM 500 : 3.21
Mean LIR of susceptible checks Basilocal : 8.62

Table 3.Evaluation of Maize inbred lines against Pink borer during rabi 2010-11 at Winter Nursery, Hyderabad

S.No	Pedigree	Mean Leaf Injury rating (1-9 scale)
1	WNZPBTL1	2.88
2	WNZPBTL2	2.67
3	WNZPBTL3	3.00
4	WNZPBTL4	3.64
5	WNZPBTL5	3.54
6	WNZPBTL6	3.27
7	WNZPBTL7	3.47
8	WNZPBTL8	2.80
9	WNZPBTL9	2.00
10	CM 202	6.87
11	CML 287	7.80
12	CML 451	7.84
13	BASI LOCAL Susceptible check)	8.62
14	CM 500 (Resistant check)	3.21
	CD 5%	0.56

Table. 4: Per se performance of pink borer (*Sesamia inferens* walker) tolerant inbred lines evaluated during 2010-11 Rabi at Winter Nursery Centre, Hyderabad

S.No.	Plot .No 2010-11R	Pedigree	Source	Days to 50% Tasseling	Days to 50% silking	Tassle: Length (cm)	Plant Height (cm)	Ear Height (cm)	Leaf width (cm)	Ear length without husk (cm)	Ear diameter without husk (cm)	No. of kernel rows per ear	1000-Kernel weight (g)
1.	6377	WNZPBTL 1	E 4	47	49	28.6	160.0	93.3	7.3	13.5	13.0	12	254.90
2.	6389	WNZPBTL 4	E 30	47	49	32.0	168.3	95.0	7.3	14.5	13.0	14	222.40
3.	6390	WNZPBTL 5	E 37	46	48	31.3	135.0	70.0	5.0	16.0	12.2	12	243.70
4.	6403	WNZPBTL 7	E 60	46	48	30.3	148.3	71.6	6.6	12.5	12.2	14	280.00
5.	6404	WNZPBTL 8	E 62	50	52	31.0	160.0	76.6	7.6	11.0	12.5	12	280.70
6.	6406	WNZPBTL 9	E 63	45	48	25.3	130.0	60.0	4.6	8.5	10.5	12	154.20

PATHOLOGY

RABI -2010-11

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INTRODUCTION

During Rabi 2010-11, various maize genotypes were screened and evaluated against various diseases viz Turcicum Leaf Blight (TLB), Sorghum Downy Mildew, (SDM), and Post Flowering Stalk Rots (PFSR) in one coordinated trial at six hot spot locations of AICRIP centre (Mandya, Dholi, Coimbatore & Arbhavi) under artificial epiphytotic conditions.

In maize genotypes evaluation program, single genotypes NMH-920 showed tolerant reaction against TLB and resistant against PFSR. Two genotypes RJMH-2 BY and NK 6607 were found resistant against TLB at Mandya and Dholi whereas KMH-Super 244 and NMH-920 were tolerant against this disease. Some promising genotypes *viz* PRO 380, BP-001, BP-002, BP-003, BP-004, BP-005, KH-274 and Bio-151 were resistant to SDM. Promising against PFSR were NMH-920 and X-915

Table 1: Evaluation of maize genotypes against various diseases during Rabi 2011

S.NO	Pedigree	TLB (1-5)		SDM (%)		C.RUST (1-5)		PFSR (1-9)	
		MND	Dholi	MND	Coimb.	Dholi	Ludh	ARB	Ludh
	AET 2nd (L)								
1	KMH-25K55	3.3	3.5	89.76	0.0	-	2.3	5.00	5.5
2	KMH-3669	2.5	3.5	23.76	3.7	-	1.5	5.30	7.5
	AET 2nd (M)								
3	KMH-Super 244	2.8	2.5	71.54	0.0	-	1.5	5.00	6.4
4	Bisco 506	4.3	3.0	85.71	0.0	-	2.3	5.50	6.4
	AET 1st (L)								
5	115-08-01	3.8	2.5	18.51	0.0	-	2.0	4.70	7.3
6	DMRNH 2	3.5	2.8	83.40	0.0	-	2.0	6.30	5.6
7	JH 8823	4.5	3.0	58.92	3.7	-	1.5	5.00	6.7
8	JH 8825	3.8	3.2	31.03	0.0	-	1.8	5.50	5.4
9	35A019	4.3	2.5	83.87	3.6	-	2.5	5.50	5.1
10	35A035	3.3	3.5	48.07	2.6	-	1.0	7.00	6.8
11	Bio 265	3.8	2.0	35.59	0.0	-	1.8	6.60	6.3
12	Pro 379	3.8	2.0	75.00	0.0	-	1.5	2.30	7.5
	AET 1st (M)								
13	Bisco 506	3.8	2.2	100.00	0.0	2.0	2.3	5.50	5.1
	AET 1st (E)								
14	HKH 306	4.0	2.5	95.45	0.0	-	2.3	6.80	7.6
15	HKH 307	4.0	3.5	100.00	0.0	-	1.3	4.00	8.2
16	HKH 405	4.0	2.5	100.00	8.3	-	1.8	5.00	6.7
	QPM-3								
17	VEHQPM 3018	3.5	3.0	100.00	4.5	-	1.3	3.90	5.4
	CHECK								
	FR632 H-100					-	2.0		7.1
18	Seedtec 2324	3.8	3.2	60.23	14.3	-	1.8	7.20	6.1
19	Buland	4.3	3.0	50.36	3.2	-	1.8	7.50	5.5
20	HM 11	4.5	2.2	100.00	0.0	-	1.0	4.50	6.0
21	BIO 9637	3.8	3.5	75.40	5.6	-	2.5	4.00	7.5
22	HM 8	3.3	3.0	98.07	6.3	-	1.8	5.50	8.6
23	HM 9	3.5	3.2	100.00	4.2	-	1.8	6.10	7.2
24	HM 10	3.8	3.0	95.05	6.5	2.5	1.3	6.00	6.9
25	HQPM 1	4.0	2.5	85.71	2.6	-	1.5	2.00	7.4

26	HQPM 5	3.5	3.5	98.21	3.8	-	1.5	2.50	7.9
27	HQPM 7	3.5	3.0	97.91	6.3	-	1.8	3.50	6.7
	IET (L)								
28	CMH08-259	4.3	1.8	88.28	0.0	-	2.5	5.20	7.9
29	KNMH-401091	3.0	1.8	24.34	0.0	-	1.0	4.50	5.4
30	KNMH-4010131	NG	2.0	100.00	0.0	-	2.0	3.20	5.0
31	X35AO27	4.3	1.5	66.30	4.3	-	1.8	4.00	5.3
32	X35B336	3.8	1.5	97.61	3.2	-	2.0	5.30	7.5
33	X35B337	3.3	2.0	100.00	0.0	-	2.8	7.30	5.6
34	KMH-2700	3.0	1.5	100.00	6.7	-	2.0	6.50	3.0
35	KMH-2689	3.5	2.0	59.22	10.0	-	2.0	6.20	6.5
36	JH 100A	3.5	2.5	37.64	0.0	-	2.0	3.30	5.6
37	JH 115	4.5	2.0	47.98	0.0	-	1.8	6.50	4.5
38	JH 143	3.0	3.0	79.91	0.0	-	2.3	3.00	6.2
39	JH 199	3.8	1.5	97.36	4.8	-	2.5	5.00	7.1
40	JH 200	3.8	2.5	61.69	0.0	-	2.0	7.00	6.7
41	JH 210	4.3	3.0	87.82	5.6	-	2.8	5.50	5.7
42	JH 216	4.5	2.5	64.00	0.0	-	3.0	5.50	6.3
43	A 7503	3.0	3.5	37.74	0.0	-	2.8	7.50	5.6
44	PRO 380	4.5	3.5	13.46	15.4	-	2.3	5.00	8.4
45	PRO 381	3.5	3.0	48.62	4.5	-	2.5	3.90	7.4
46	HKH 402	4.0	2.5	100.00	2.5	-	2.8	6.40	6.9
47	HKH 408	3.8	3.5	98.33	2.7	-	1.8	7.00	7.1
48	DMH 117	3.3	2.5	97.91	0.0	-	2.3	5.30	5.0
49	NMH-731	3.0	3.0	100.00	5.9	-	2.0	6.30	5.4
50	NMH-713	2.5	3.0	77.80	2.9	-	1.8	7.30	6.0
51	NMH-920	2.8	2.0	97.22	2.9	-	1.3	3.80	4.8
52	NMH-666	3.5	2.0	96.66	2.8	-	2.0	6.50	5.3
53	RJMH-2020	3.0	2.5	98.27	0.0	-	3.0	3.80	5.3
54	RJMH-2 BY 1	2.5	2.5	88.04	0.0	-	3.0	5.30	6.4
55	Asha	3.0	3.2	65.29	0.0	-	1.8	6.50	5.7
56	BP-001	4.5	3.5	13.28	4.5	-	2.3	5.30	5.7
57	BP-002	4.3	3.8	24.29	0.0	-	2.3	6.80	6.9
58	BP-003	4.5	3.5	10.00	0.0	-	1.5	4.00	5.0
59	BP-004	3.0	3.0	3.57	0.0	-	1.5	5.30	6.0
60	BP-005	3.8	3.5	12.25	0.0	-	2.0	4.50	6.1
61	BP-006	4.5	3.5	30.53	0.0	-	1.5	4.50	5.5
62	BP-008	3.5	2.5	34.52	0.0	-	2.0	3.80	5.3
63	KH-274	3.5	3.2	15.11	0.0	-	2.3	3.30	7.0
64	NK 6607	2.5	2.5	89.47	0.0	-	2.5	6.50	8.5
65	S 7700	4.5	2.5	95.47	3.2	-	1.5	7.50	6.6
66	S 7720	3.3	2.0	87.28	20.0	-	3.5	3.00	8.1
67	Bisco X9	3.0	3.8	89.30	0.0	-	2.8	4.50	6.9

68	Bisco X 5129	3.3	3.5	93.10	0.0	-	2.0	5.80	6.9
69	Bisco New 704	3.3	2.5	88.01	0.0	-	2.5	5.00	6.3
70	CMH08-239	4.5	2.5	90.00	0.0	-	1.3	4.00	5.5
71	CMH08-282	4.3	2.0	47.03	3.2	-	1.5	6.00	5.4
72	CMH08-287	3.8	2.0	96.55	0.0	-	2.3	5.00	4.9
	IET (M)								
73	X-915	4.3	3.2	62.83	2.4	-	2.0	3.80	4.9
74	KH-B 52	3.5	3.5	35.08	0.0	-	1.5	5.00	6.8
75	CMH08-284	3.8	2.0	78.46	2.9	-	2.0	3.50	6.8
76	CMH08-292	4.0	3.0	39.12	4.2	-	1.5	5.60	4.8
77	CMH08-350	4.3	2.5	47.52	4.3	-	1.3	4.30	5.3
78	CMH08-432	4.3	2.5	39.90	0.0	-	1.8	7.30	6.5
79	KMH-5050	3.3	3.2	100.00	0.0	-	1.8	6.50	6.7
80	NMH-1242	3.3	2.5	93.64	0.0	-	2.8	4.30	5.3
81	Bio 151	3.5	2.0	9.71	4.2	-	2.3	7.00	6.2
82	MMH-09-11	3.8	2.5	76.04	0.0	-	1.8	5.30	6.8
83	MMH-09-12	3.8	2.5	78.15	5.6	-	3.0	4.00	7.7
84	MMH-09-13	3.5	2.0	77.04	0.0	-	2.3	7.00	7.0
85	MMH-09-14	4.3	2.5	91.66	1.1	-	1.5	4.80	5.0
86	MMH-09-15	4.0	3.0	82.14	0.0	-	1.8	6.50	8.5
87	HKH 308	4.0	3.5	96.42	0.0	-	2.0	5.80	7.7
	IET (E)								
88	AH 1011	4.5	3.2	91.50	0.0	2.0	2.5	3.50	6.8
89	AH 1012	4.5	3.8	88.63	0.0	-	2.3	3.50	6.8
	QPM 1								
90	HQPM 24	3.3	2.5	100.00	1.0	-	2.3	6.30	6.4
91	VEHQ-3019	3.5	2.2	100.00	1.0	-	1.5	6.80	4.9
92	MON 31	3.0	2.8	89.65	0.0	-	2.3	5.80	4.2
93	DHM-117	-	-	-	-	-	2.0	-	6.0
SC	CM-500	-	-	100	-	-	-	-	-
	G-25	-	-	-	-	-	-	8	-
	219- J	4.5	-	-	-	-	-	-	-
RC	NAH-2049		-	12.25	-	-	-	-	-
	Nithya shree	1.5	-	-	-	-	-	-	-

SC: Susceptible check
RC: Resistant check

Mandya-MND, Coimbatore -Coimb, Ludhiana – Ludh, Arabhavi - ARB

Table 2: Metrological data (Monthly average) Rabi 2010-11

S. No	Station Name	Month	Temperature		Rainfall of month (mm)	R.H % Min	R.H % Max	Sunshine Hrs.
			Min(°C)	Max(°C)				
1.	Mandya	Oct-10	20.1	30.7	80.8	91.0	51.0	5.9
		Nov-10	20.2	31.8	84.4	91.0	52.0	5.4
		Dec-10	17.7	29.5	26.8	91.0	48.0	4.7
		Jan-10	16.5	30.5	5.2	90.0	47.0	7.3
		Feb-10	19.5	31.0	4.6	90.0	47.0	9.0
		March-10	21.5	31.5	13.8	91.0	48.0	9.4