

Table 3.3. North Eastern Plain Zone **IR-TS- FB-DOS** **Centrewise Yield, q/ha** **2023-24**

Sowing Time	Genotype	Ayodhya	Kanpur	Ranchi	Zonal Mean
Timely	HUB 113 (C)	29.33	34.69	52.00	38.68
	BH 946 (C)	31.53	26.31	47.75	35.20
	DWRB 137 (C)	34.33	28.28	45.90	36.17
	UPB 1106	33.07	34.86	39.40	35.77
	Mean	32.07	31.04	46.26	36.45
Late	HUB 113 (C)	23.78	40.60	29.93	31.44
	BH 946 (C)	25.35	29.65	26.07	27.02
	DWRB 137 (C)	28.53	36.77	31.50	32.27
	UPB 1106	27.08	41.24	31.93	33.42
	Mean	26.19	37.07	29.86	31.04
Mean	HUB 113 (C)	26.56	37.65	40.97	35.06
	BH 946 (C)	28.44	27.98	36.91	31.11
	DWRB 137 (C)	31.43	32.52	38.70	34.22
	UPB 1106	30.08	38.05	35.67	34.60
	Mean	29.13	34.05	38.06	33.75
CD (0.05)	Sowing (A)	0.76	2.09	2.61	0.76
	Genotype (B)	1.17	2.11	2.41	1.08
	B within A	1.65	2.98	3.41	1.52
	A within B	1.50	2.88	3.36	1.67
Date of Sowing:	Timely	16.11.2023	11.11.2023	15.11.2023	
	Late	12.12.2023	06.12.2023	14.12.2023	
Date of Harvesting:	Timely	03.03.2024	01.04.2024	25.03.2024	
	Late	29.03.2024	10.04.2024	15.04.2024	

Table 3.4. North Eastern Plain Zone		IR-TS- FB-DOS		Pooled	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HUB 113 (C)	38.68	1	31.44	3	35.06	4
BH 946 (C)	35.20	4	27.02	4	31.11	3
DWRB 137 (C)	36.17	2	32.27	2	34.22	1
UPB 1106	35.77	3	33.42	1	34.60	2
Mean	36.45		31.04		33.75	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.76	1.08		1.52		1.67
Earhead/sq.m.						
HUB 113 (C)	399	1	357	3	378	1
BH 946 (C)	396	2	353	4	375	3
DWRB 137 (C)	390	3	365	2	378	2
UPB 1106	375	4	370	1	372	4
Mean	390		361		376	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	7.74	NS		10.00		12.00
Grains/earhead						
HUB 113 (C)	25.18	1	23.02	1	24.10	1
BH 946 (C)	22.45	4	21.41	4	21.93	4
DWRB 137 (C)	24.78	2	21.58	3	23.18	2
UPB 1106	23.87	3	22.46	2	23.16	3
Mean	24.07		22.12		23.09	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.34	1.21		NS		2.11
1000 grains weight, g						
HUB 113 (C)	38.79	3	39.46	3	39.12	3
BH 946 (C)	40.18	2	37.41	4	38.80	4
DWRB 137 (C)	38.69	4	43.13	1	40.91	2
UPB 1106	41.98	1	41.12	2	41.55	1
Mean	39.91		40.28		40.10	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	NS	0.63		0.90		1.10

Centres: Ayodhya, Kanpur, Ranchi

Table 3.4.1. North Eastern Plain Zone		IR-TS-FB-DOS		Ayodhya	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HUB 113 (C)	29.33	4	23.78	4	26.56	4
BH 946 (C)	31.53	3	25.35	3	28.44	3
DWRB 137 (C)	34.33	1	28.53	1	31.43	1
UPB 1106	33.07	2	27.08	2	30.08	2
Mean	32.07		26.19		29.13	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.18	0.76	2.20	
Genotype (B)	**		0.46	1.17	3.89	
B within A	N.S.		0.65	1.65		
A within B			0.60	1.50		
Earhead/sq.m.						
HUB 113 (C)	421	4	403	4	412	4
BH 946 (C)	428	3	406	3	417	3
DWRB 137 (C)	440	1	416	1	428	1
UPB 1106	434	2	411	2	423	2
Mean	431		409		420	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.85	3.51	0.70	
Genotype (B)	**		1.52	3.82	0.88	
B within A	N.S.		2.14	5.40		
A within B			2.04	5.14		
Grains/earhead						
HUB 113 (C)	18.45	4	17.03	4	17.74	4
BH 946 (C)	19.18	2	17.85	3	18.51	3
DWRB 137 (C)	19.11	3	18.77	1	18.94	1
UPB 1106	19.22	1	18.42	2	18.82	2
Mean	18.99		18.02		18.50	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.16	0.65	2.96	
Genotype (B)	N.S.		0.36	0.91	4.79	
B within A	N.S.		0.51	1.29		
A within B			0.47	1.19		
1000 grains weight, g						
HUB 113 (C)	37.77	4	34.70	4	36.23	4
BH 946 (C)	38.47	3	35.00	3	36.73	3
DWRB 137 (C)	40.83	1	36.60	1	38.72	1
UPB 1106	39.63	2	35.80	2	37.72	2
Mean	39.18		35.53		37.35	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.49	2.04	4.59	
Genotype (B)	**		0.32	0.80	2.09	
B within A	N.S.		0.45	1.14		
A within B			0.63	1.59		
Date of Sowing:	16.11.2023	12.12.2023	Date of Harvesting:	03.03.2024	29.03.2024	

Table 3.4.2. North Eastern Plain Zone		IR-TS-FB-DOS			Kanpur	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HUB 113 (C)	34.69	2	40.60	2	37.65	2
BH 946 (C)	26.31	4	29.65	4	27.98	4
DWRB 137 (C)	28.28	3	36.77	3	32.52	3
UPB 1106	34.86	1	41.24	1	38.05	1
Mean	31.04		37.07		34.05	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.51	2.09	5.14	
Genotype (B)	**		0.84	2.11	6.02	
B within A	N.S.		1.18	2.98		
A within B			1.14	2.88		
Earhead/sq.m.						
HUB 113 (C)	413	4	414	3	414	4
BH 946 (C)	415	3	412	4	414	3
DWRB 137 (C)	417	1	416	2	417	2
UPB 1106	417	2	418	1	418	1
Mean	416		415		415	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.10	4.55	0.92	
Genotype (B)	N.S.		1.56	3.92	0.92	
B within A	N.S.		2.20	5.54		
A within B			2.20	5.54		
Grains/earhead						
HUB 113 (C)	22.95	1	22.50	1	22.72	1
BH 946 (C)	17.21	4	18.99	3	18.10	4
DWRB 137 (C)	22.51	2	17.49	4	20.00	3
UPB 1106	20.27	3	21.52	2	20.89	2
Mean	20.73		20.13		20.43	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.49	2.04	8.39	
Genotype (B)	**		0.65	1.63	7.75	
B within A	**		0.91	2.30		
A within B			0.93	2.35		
1000 grains weight, g						
HUB 113 (C)	36.63	3	43.63	3	40.13	3
BH 946 (C)	36.83	2	37.83	4	37.33	4
DWRB 137 (C)	30.23	4	50.60	1	40.42	2
UPB 1106	41.30	1	45.83	2	43.57	1
Mean	36.25		44.48		40.36	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.36	1.47	3.05	
Genotype (B)	**		0.45	1.14	2.76	
B within A	**		0.64	1.62		
A within B			0.66	1.66		
Date of Sowing:	11.11.2023	06.12.2023	Date of Harvesting:	01.04.2024	10.04.2024	

Table 3.4.3. North Eastern Plain Zone		IR-TS-FB-DOS			Ranchi	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HUB 113 (C)	52.00	1	29.93	3	40.97	1
BH 946 (C)	47.75	2	26.07	4	36.91	3
DWRB 137 (C)	45.90	3	31.50	2	38.70	2
UPB 1106	39.40	4	31.93	1	35.67	4
Mean	46.26		29.86		38.06	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.63	2.61	5.75	
Genotype (B)	**		0.96	2.41	6.16	
B within A	**		1.35	3.41		
A within B			0.70	2.11		
Earhead/sq.m.						
HUB 113 (C)	363	1	253	3	308	1
BH 946 (C)	345	2	242	4	294	2
DWRB 137 (C)	314	3	263	2	289	3
UPB 1106	273	4	280	1	277	4
Mean	324		260		292	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		8.34	34.43	9.90	
Genotype (B)	N.S.		8.80	22.17	7.38	
B within A	**		12.44	31.35		
A within B			13.62	34.33		
Grains/earhead						
HUB 113 (C)	34.15	1	29.53	1	31.84	1
BH 946 (C)	30.95	4	27.41	4	29.18	4
DWRB 137 (C)	32.72	2	28.48	2	30.60	2
UPB 1106	32.12	3	27.43	3	29.77	3
Mean	32.49		28.21		30.35	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.37	5.67	15.66	
Genotype (B)	N.S.		1.33	3.35	10.73	
B within A	N.S.		1.88	4.74		
A within B			2.13	5.37		
1000 grains weight, g						
HUB 113 (C)	41.96	4	40.04	3	41.00	4
BH 946 (C)	45.25	1	39.40	4	42.33	3
DWRB 137 (C)	45.00	2	42.20	1	43.60	1
UPB 1106	45.00	2	41.73	2	43.37	2
Mean	44.30		40.84		42.57	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.47	1.96	3.86	
Genotype (B)	*		0.57	1.44	3.28	
B within A	N.S.		0.81	2.03		
A within B			0.84	2.13		
Date of Sowing:	15.11.2023	14.12.2023	Date of Harvesting:	25.03.2024	15.04.2024	