

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	AVTFB 2301	29.33	34.69	52.00	38.68
	AVTFB 2302	31.53	26.31	47.75	35.20
	AVTFB 2303	34.33	28.28	45.90	36.17
	AVTFB 2304	33.07	34.86	39.40	35.77
	MEAN	32.07	31.04	46.26	36.45
Late	AVTFB 2301	23.78	40.60	29.93	31.44
	AVTFB 2302	25.35	29.65	26.07	27.02
	AVTFB 2303	28.53	36.77	31.50	32.27
	AVTFB 2304	27.08	41.24	31.93	33.42
	MEAN	26.19	37.07	29.86	31.04
Mean	AVTFB 2301	26.56	37.65	40.97	35.06
	AVTFB 2302	28.44	27.98	36.91	31.11
	AVTFB 2303	31.43	32.52	38.70	34.22
	AVTFB 2304	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						
AVTFB 2301	38.68	1	31.44	3	35.06	4
AVTFB 2302	35.20	4	27.02	4	31.11	3
AVTFB 2303	36.17	2	32.27	2	34.22	1
AVTFB 2304	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.						
AVTFB 2301	399	1	357	3	378	1
AVTFB 2302	396	2	353	4	375	3
AVTFB 2303	390	3	365	2	378	2
AVTFB 2304	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						
AVTFB 2301	25.18	1	23.02	1	24.10	1
AVTFB 2302	22.45	4	21.41	4	21.93	4
AVTFB 2303	24.78	2	21.58	3	23.18	2
AVTFB 2304	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						
AVTFB 2301	38.79	3	39.46	3	39.12	3
AVTFB 2302	40.18	2	37.41	4	38.80	4
AVTFB 2303	38.69	4	43.13	1	40.91	2
AVTFB 2304	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						
AVTFB 2301	29.33	4	23.78	4	26.56	4
AVTFB 2302	31.53	3	25.35	3	28.44	3
AVTFB 2303	34.33	1	28.53	1	31.43	1
AVTFB 2304	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.						
AVTFB 2301	421	4	403	4	412	4
AVTFB 2302	428	3	406	3	417	3
AVTFB 2303	440	1	416	1	428	1
AVTFB 2304	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						
AVTFB 2301	18.45	4	17.03	4	17.74	4
AVTFB 2302	19.18	2	17.85	3	18.51	3
AVTFB 2303	19.11	3	18.77	1	18.94	1
AVTFB 2304	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						
AVTFB 2301	37.77	4	34.70	4	36.23	4
AVTFB 2302	38.47	3	35.00	3	36.73	3
AVTFB 2303	40.83	1	36.60	1	38.72	1
AVTFB 2304	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						
AVTFB 2301	34.69	2	40.60	2	37.65	2
AVTFB 2302	26.31	4	29.65	4	27.98	4
AVTFB 2303	28.28	3	36.77	3	32.52	3
AVTFB 2304	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.						
AVTFB 2301	413	4	414	3	414	4
AVTFB 2302	415	3	412	4	414	3
AVTFB 2303	417	1	416	2	417	2
AVTFB 2304	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						
AVTFB 2301	22.95	1	22.50	1	22.72	1
AVTFB 2302	17.21	4	18.99	3	18.10	4
AVTFB 2303	22.51	2	17.49	4	20.00	3
AVTFB 2304	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						
AVTFB 2301	36.63	3	43.63	3	40.13	3
AVTFB 2302	36.83	2	37.83	4	37.33	4
AVTFB 2303	30.23	4	50.60	1	40.42	2
AVTFB 2304	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						
AVTFB 2301	52.00	1	29.93	3	40.97	1
AVTFB 2302	47.75	2	26.07	4	36.91	3
AVTFB 2303	45.90	3	31.50	2	38.70	2
AVTFB 2304	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.						
AVTFB 2301	363	1	253	3	308	1
AVTFB 2302	345	2	242	4	294	2
AVTFB 2303	314	3	263	2	289	3
AVTFB 2304	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						
AVTFB 2301	34.15	1	29.53	1	31.84	1
AVTFB 2302	30.95	4	27.41	4	29.18	4
AVTFB 2303	32.72	2	28.48	2	30.60	2
AVTFB 2304	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						
AVTFB 2301	41.96	4	40.04	3	41.00	4
AVTFB 2302	45.25	1	39.40	4	42.33	3
AVTFB 2303	45.00	2	42.20	1	43.60	1
AVTFB 2304	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	