

Table 3.3. North Eastern Plains Zone		IR-TS-DOS-TAS Centrewise Yield, q/ha				2021-22
Date of Sowing	Genotypes	Coochbehar	Ranchi	Shillongani	Varanasi	Zonal mean
Timely	HD 3411	43.67	54.16	42.66	47.08	46.89
	HD 2967 (C)	52.60	62.61	38.00	45.49	49.68
	HD 3086 (C)	51.07	49.22	41.61	44.41	46.58
	PBW 826	52.03	60.85	40.58	51.86	51.33
	HD 3406	40.60	61.00	39.89	49.72	47.80
	HD 3249(C)	40.47	48.40	42.97	52.49	46.08
	HD 2733 (C)	54.60	62.47	44.87	53.31	53.81
	DBW 187 (C)	51.97	56.77	46.98	47.96	50.92
	Mean	48.38	56.94	42.20	49.04	49.14
Late	HD 3411	41.47	47.76	40.52	41.09	42.71
	HD 2967 (C)	47.13	53.66	36.77	32.44	42.50
	HD 3086 (C)	50.77	39.57	41.09	46.91	44.58
	PBW 826	49.90	48.46	40.91	49.72	47.25
	HD 3406	41.80	53.87	38.23	34.25	42.04
	HD 3249(C)	40.23	40.04	41.90	48.57	42.69
	HD 2733 (C)	52.13	49.17	42.53	44.49	47.08
	DBW 187 (C)	44.47	42.33	45.24	47.33	44.84
	Mean	45.99	46.86	40.90	43.10	44.21
Mean	HD 3411	42.57	50.96	41.59	44.08	44.80
	HD 2967 (C)	49.87	58.14	37.39	38.97	46.09
	HD 3086 (C)	50.92	44.39	41.35	45.66	45.58
	PBW 826	50.97	54.66	40.75	50.79	49.29
	HD 3406	41.20	57.43	39.06	41.98	44.92
	HD 3249(C)	40.35	44.22	42.44	50.53	44.38
	HD 2733 (C)	53.37	55.82	43.70	48.90	50.45
	DBW 187 (C)	48.22	49.55	46.11	47.65	47.88
	Mean	47.18	51.90	41.55	46.07	46.67
CD (0.05)	Date of Sowing (A)	1.59	5.20	0.57	2.56	0.96
	Genotype (B)	3.73	4.77	1.64	1.96	3.2
	B within A	NS	NS	NS	2.78	NS
	A within B	NS	NS	NS	3.00	NS
Date of Sowing	Timely	15.11.2021	08.11.2021	05.11.2021	10.11.2021	
	Late	10.12.2021	06.12.2021	10.12.2021	10.12.2021	
Date of Harvesting	Timely	31.03.2022	15.03.2022	31.03.2022	05.04.2022	
	Late	16.04.2022	15.04.2022	16.04.2022	09.04.2022	

Table 3.4. North Eastern Plains Zone		IR-TS-DOS-TAS		Pooled	2021-22	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield,q/ha						
HD 3411	46.89	6	42.71	5	44.80	7
HD 2967 (C)	49.68	4	42.50	7	46.09	4
HD 3086 (C)	46.58	7	44.58	4	45.58	5
PBW 826	51.33	2	47.25	1	49.29	2
HD 3406	47.80	5	42.04	8	44.92	6
HD 3249(C)	46.08	8	42.69	6	44.38	8
HD 2733 (C)	53.81	1	47.08	2	50.45	1
DBW 187 (C)	50.92	3	44.84	3	47.88	3
Mean	49.14		44.21		46.67	
	Date of Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	0.96		3.20		NS	NS
Earhead/sqm						
HD 3411	308	5	339	1	324	3
HD 2967 (C)	340	1	312	3	326	2
HD 3086 (C)	316	3	304	4	310	4
PBW 826	309	4	292	7	300	5
HD 3406	284	7	293	6	288	7
HD 3249(C)	276	8	277	8	276	8
HD 2733 (C)	330	2	332	2	331	1
DBW 187 (C)	290	6	294	5	292	6
Mean	306		305		306	
	Date of Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	NS		21		NS	NS
Grains/Earhead						
HD 3411	37.83	5	32.67	8	35.25	8
HD 2967 (C)	37.42	8	38.21	3	37.82	3
HD 3086 (C)	37.55	7	37.31	4	37.43	5
PBW 826	39.43	2	39.31	2	39.37	2
HD 3406	41.74	1	39.40	1	40.57	1
HD 3249(C)	38.59	3	36.35	5	37.47	4
HD 2733 (C)	37.69	6	35.23	7	36.46	7
DBW 187 (C)	38.39	4	35.43	6	36.91	6
Mean	38.58		36.74		37.66	
	Date of Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	NS		NS		NS	NS
1000 Grains Weight, g						
HD 3411	43.19	6	40.15	5	41.67	6
HD 2967 (C)	40.19	8	36.51	8	38.35	8
HD 3086 (C)	43.26	5	40.10	6	41.68	5
PBW 826	44.46	4	42.03	3	43.25	4
HD 3406	41.87	7	38.19	7	40.03	7
HD 3249(C)	45.84	2	43.84	2	44.84	2
HD 2733 (C)	45.61	3	41.93	4	43.77	3
DBW 187 (C)	47.43	1	44.04	1	45.73	1
Mean	43.98		40.85		42.41	
	Date of Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	0.61		1.88		NS	NS

Centres: Coochbehar, Ranchi, Shillongani, Varanasi

Table 3.4.1. North Eastern Plains Zone		IR-TS-DOS-TAS		Ayodhya		2021-22	
Genotype	Date of Sowing				Mean	Rk	
	Timely	Rk	Late	Rk			
Yield, q/ha							
HD 3411	40.31	7	32.54	8	36.43	8	
HD 2967 (C)	42.69	5	33.73	5	38.21	5	
HD 3086 (C)	39.92	8	33.15	7	36.54	7	
PBW 826	44.86	3	35.71	3	40.29	3	
HD 3406	44.28	4	34.92	4	39.60	4	
HD 3249(C)	45.47	2	35.50	2	40.69	2	
HD 2733 (C)	42.10	6	33.21	6	37.65	6	
DBW 187 (C)	45.87	1	37.10	1	41.48	1	
Mean	43.19		34.53		38.86		
		F. Test	SEm	CD (0.05)	CV (%)		
Date of Sowing (A)		**	0.01	0.04	0.11		
Genotype (B)		**	0.44	1.05	2.74		
B within A		N.S.	0.62	1.48			
A within B			0.58	1.38			
Earhead/sqm							
HD 3411	515	2	525	2	520	2	
HD 2967 (C)	506	3	518	3	512	3	
HD 3086 (C)	476	5	450	8	463	8	
PBW 826	473	8	459	7	466	7	
HD 3406	555	1	542	1	548	1	
HD 3249(C)	474	6	488	4	481	5	
HD 2733 (C)	499	4	470	5	485	4	
DBW 187 (C)	474	6	460	6	467	6	
Mean	497		489		493		
		F. Test	SEm	CD (0.05)	CV (%)		
Date of Sowing (A)		**	0	0	0		
Genotype (B)		**	3	8	2		
B within A		**	4	11			
A within B			4	10			
Grains/Earhead							
HD 3411	20.77	7	17.1	8	18.9	7	
HD 2967 (C)	21.72	6	17.8	6	19.8	6	
HD 3086 (C)	22.29	4	20.3	3	21.3	4	
PBW 826	24.10	3	20.7	2	22.4	2	
HD 3406	20.31	8	17.4	7	18.9	8	
HD 3249(C)	24.23	1	19.4	4	21.8	3	
HD 2733 (C)	22.00	5	18.9	5	20.5	5	
DBW 187 (C)	24.16	2	21.1	1	22.6	1	
Mean	22.45		19.1		20.8		
		F. Test	SEm	CD (0.05)	CV (%)		
Date of Sowing (A)		**	0.0	0.1	0.3		
Genotype (B)		**	0.3	0.7	3.6		
B within A		N.S.	0.4	1.0			
A within B			0.4	1.0			
1000 Grains Weight, g							
HD 3411	37.70	7	36.3	8	37.0	7	
HD 2967 (C)	38.87	5	36.5	6	37.7	6	
HD 3086 (C)	37.60	8	36.3	7	37.0	8	
PBW 826	39.37	3	37.6	3	38.5	3	
HD 3406	39.33	4	37.0	5	38.2	4	
HD 3249(C)	39.57	2	38.0	2	38.8	2	
HD 2733 (C)	38.33	6	37.3	4	37.8	5	
DBW 187 (C)	40.03	1	38.2	1	39.1	1	
Mean	38.85		37.2		38.0		
		F. Test	SEm	CD (0.05)	CV (%)		
Date of Sowing (A)		**	0.01	0.06	0.17		
Genotype (B)		**	0.12	0.29	0.77		
B within A		**	0.17	0.40			
A within B			0.16	0.38			
Date of Sowing	10.11.2021		14.12.2021				
Date of Harvesting	19.03. 2022		11.04.2022				

Not included in pooled due to low mean

Table 3.4.2. North Eastern Plains Zone			IR-TS-DOS-TAS		Coochbehar 2021-22	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	43.67	6	41.47	7	42.57	6
HD 2967 (C)	52.60	2	47.13	4	49.87	4
HD 3086 (C)	51.07	5	50.77	2	50.92	3
PBW 826	52.03	3	49.90	3	50.97	2
HD 3406	40.60	7	41.80	6	41.20	7
HD 3249(C)	40.47	8	40.23	8	40.35	8
HD 2733 (C)	54.60	1	52.13	1	53.37	1
DBW 187 (C)	51.97	4	44.47	5	48.22	5
Mean	48.38		45.99		47.18	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.39	1.59	4.00	
Genotype (B)		**	1.55	3.73	8.05	
B within A		N.S.	2.19	5.27		
A within B			2.09	5.02		
Earhead/sqm						
HD 3411	295	5	279	4	287	5
HD 2967 (C)	306	4	263	6	285	6
HD 3086 (C)	292	6	299	2	295	4
PBW 826	335	1	306	1	321	1
HD 3406	223	8	231	8	227	8
HD 3249(C)	248	7	238	7	243	7
HD 2733 (C)	316	3	292	3	304	2
DBW 187 (C)	319	2	278	5	298	3
Mean	292		273		282	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	7	28	12	
Genotype (B)		**	6	14	5	
B within A		*	8	20		
A within B			10	25		
Grains/Earhead						
HD 3411	38.79	8	38.64	8	38.71	8
HD 2967 (C)	44.61	3	46.54	1	45.57	2
HD 3086 (C)	44.61	2	43.40	5	44.00	4
PBW 826	43.00	5	42.76	6	42.88	6
HD 3406	46.16	1	45.98	2	46.07	1
HD 3249(C)	42.89	6	44.83	3	43.86	5
HD 2733 (C)	43.90	4	44.76	4	44.33	3
DBW 187 (C)	40.51	7	40.12	7	40.32	7
Mean	43.06		43.38		43.22	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	1.43	5.93	16.27	
Genotype (B)		N.S.	1.82	4.38	10.31	
B within A		N.S.	2.57	6.19		
A within B			2.80	6.74		
1000 Grains Weight, g						
HD 3411	38.23	6	38.43	6	38.33	6
HD 2967 (C)	38.60	5	38.47	5	38.53	5
HD 3086 (C)	39.47	3	39.13	4	39.30	4
PBW 826	36.40	8	38.13	8	37.27	8
HD 3406	39.90	2	39.33	3	39.62	3
HD 3249(C)	38.13	7	38.17	7	38.15	7
HD 2733 (C)	39.47	3	40.00	2	39.73	2
DBW 187 (C)	40.37	1	40.37	1	40.37	1
Mean	38.82		39.00		38.91	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.10	0.42	1.29	
Genotype (B)		**	0.40	0.96	2.51	
B within A		N.S.	0.56	1.36		
A within B			0.54	1.29		
Date of Sowing	15.11.2021		10.12.2021			
Date of Harvesting	31.03.2022		16.04.2022			

Table 3.4.3. North Eastern Plains Zone			IR-TS-DOS-TAS		Kalyani	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	33.13	8	30.61	5	31.87	8
HD 2967 (C)	39.47	3	30.16	7	34.82	4
HD 3086 (C)	35.77	5	34.15	2	34.96	3
PBW 826	43.12	1	35.61	1	39.37	1
HD 3406	34.24	7	30.17	6	32.20	6
HD 3249(C)	36.07	4	31.95	4	33.91	5
HD 2733 (C)	40.47	2	32.28	3	36.38	2
DBW 187 (C)	34.41	6	29.38	8	31.89	7
Mean	37.09		31.76		34.43	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.76	3.14	10.82	
Genotype (B)		**	1.27	3.06	9.04	
B within A		N.S.	1.80	4.32		
A within B			1.84	4.44		
Earhead/sqm						
HD 3411	251	7	239	4	245	6
HD 2967 (C)	286	3	246	3	266	3
HD 3086 (C)	273	5	250	2	262	4
PBW 826	317	1	299	1	308	1
HD 3406	266	6	205	7	236	7
HD 3249(C)	278	4	236	5	257	5
HD 2733 (C)	310	2	232	6	271	2
DBW 187 (C)	249	8	205	7	227	8
Mean	279		239		259	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	5	21	10	
Genotype (B)		**	11	25	10	
B within A		N.S.	15	36		
A within B			15	36		
Grains/Earhead						
HD 3411	32.24	3	34.92	4	33.58	2
HD 2967 (C)	34.25	1	30.37	7	32.31	6
HD 3086 (C)	31.53	5	32.61	6	32.07	7
PBW 826	31.38	6	28.79	8	30.09	8
HD 3406	30.16	8	36.28	2	33.22	5
HD 3249(C)	31.66	4	34.79	5	33.23	4
HD 2733 (C)	31.02	7	35.48	3	33.25	3
DBW 187 (C)	33.39	2	37.21	1	35.30	1
Mean	31.95		33.80		32.88	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.38	1.59	5.72	
Genotype (B)		N.S.	1.36	3.27	10.12	
B within A		N.S.	1.92	4.62		
A within B			1.84	4.42		
1000 Grains Weight, g						
HD 3411	41.20	6	37.23	8	39.22	8
HD 2967 (C)	40.60	8	41.17	3	40.88	4
HD 3086 (C)	41.53	4	42.50	1	42.02	2
PBW 826	43.30	1	41.67	2	42.48	1
HD 3406	42.83	2	40.50	4	41.67	3
HD 3249(C)	41.17	7	38.83	6	40.00	6
HD 2733 (C)	42.17	3	39.33	5	40.75	5
DBW 187 (C)	41.50	5	38.37	7	39.93	7
Mean	41.79		39.95		40.87	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.53	2.20	6.40	
Genotype (B)		N.S.	1.09	2.63	6.56	
B within A		N.S.	1.55	3.72		
A within B			1.54	3.71		
Date of Sowing	08.11.2021		15.12.2021			
Date of Harvesting	21.03.2022		30.03.2022			

Not included in pooled due to low mean

Table 3.4.4. North Eastern Plains Zone			IR-TS-DOS-TAS		Kanpur	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	38.82	4	21.36	5	30.09	5
HD 2967 (C)	34.28	8	23.73	4	29.01	7
HD 3086 (C)	42.20	2	29.01	1	35.60	2
PBW 826	34.29	7	26.63	3	30.46	3
HD 3406	42.20	2	18.45	7	30.33	4
HD 3249(C)	46.02	1	28.74	2	37.38	1
HD 2733 (C)	36.92	6	18.29	8	27.61	8
DBW 187 (C)	38.37	5	21.10	6	29.73	6
Mean	39.14		23.42		31.28	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	0.62	2.55	9.66	
Genotype (B)		**	0.81	1.96	6.38	
B within A		**	1.15	2.77		
A within B			1.24	1.99		
Earhead/sq m						
HD 3411	450	6	313	4	413	6
HD 2967 (C)	490	4	475	2	482	2
HD 3086 (C)	499	3	550	1	525	1
PBW 826	527	2	401	3	464	3
HD 3406	388	8	361	8	374	8
HD 3249(C)	418	7	374	5	396	7
HD 2733 (C)	467	5	364	7	425	5
DBW 187 (C)	508	2	373	6	440	4
Mean	471		409		440	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	9	38	10	
Genotype (B)		**	5	12	3	
B within A		**	7	16		
A within B			11	27		
Grains/Earhead						
HD 3411	28.86	2	15.74	6	22.30	4
HD 2967 (C)	26.52	5	21.45	2	23.98	2
HD 3086 (C)	28.08	3	18.36	3	23.22	3
PBW 826	15.12	8	17.05	4	16.08	8
HD 3406	28.00	4	14.84	7	21.42	5
HD 3249(C)	38.84	1	24.64	1	31.74	1
HD 2733 (C)	19.60	6	13.29	8	16.45	7
DBW 187 (C)	19.18	7	16.47	5	17.82	6
Mean	25.53		17.73		21.63	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.71	2.92	16.04	
Genotype (B)		**	0.77	1.84	8.67	
B within A		**	1.08	2.60		
A within B			1.24	2.97		
1000 Grains Weight, g						
HD 3411	30.03	6	36.20	3	33.12	5
HD 2967 (C)	26.40	8	23.33	8	24.87	8
HD 3086 (C)	30.17	5	28.80	7	29.48	7
PBW 826	43.13	1	39.13	1	41.13	1
HD 3406	39.10	3	34.60	4	36.85	4
HD 3249(C)	28.43	7	31.23	6	29.83	6
HD 2733 (C)	39.00	4	37.80	2	38.40	2
DBW 187 (C)	39.60	2	34.47	5	37.03	3
Mean	34.48		33.20		33.84	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.12	0.50	1.74	
Genotype (B)		**	0.68	1.63	4.89	
B within A		**	0.96	2.30		
A within B			0.90	2.17		
Date of Sowing	11.11.2021		16.12.2021			
Date of Harvesting	24.04.2022		05.05.2022			

Not included in pooled due to low mean

Table 3.4.5. North Eastern Plains Zone			IR-TS-DOS-TAS		Ranchi	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	54.16	6	47.76	5	50.96	5
HD 2967 (C)	62.61	1	53.66	2	58.14	1
HD 3086 (C)	49.22	7	39.57	8	44.39	7
PBW 826	60.85	4	48.46	4	54.66	4
HD 3406	61.00	3	53.87	1	57.43	2
HD 3249(C)	48.40	8	40.04	7	44.22	8
HD 2733 (C)	62.47	2	49.17	3	55.82	3
DBW 187 (C)	56.77	5	42.33	6	49.55	6
Mean	56.94		46.86		51.90	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	1.26	5.20	11.90	
Genotype (B)		**	1.98	4.77	9.35	
B within A		N.S.	2.80	6.74		
A within B			2.91	7.00		
Earhead/sqm						
HD 3411	383	5	345	5	364	5
HD 2967 (C)	423	2	358	2	391	3
HD 3086 (C)	360	7	303	8	332	7
PBW 826	385	4	351	3	368	4
HD 3406	400	3	392	1	396	2
HD 3249(C)	327	8	328	7	328	8
HD 2733 (C)	457	1	350	4	403	1
DBW 187 (C)	370	6	330	6	350	6
Mean	388		345		366	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	12	51	17	
Genotype (B)		**	12	30	8	
B within A		N.S.	17	42		
A within B			20	49		
Grains/Earhead						
HD 3411	31.17	7	32.56	5	31.86	7
HD 2967 (C)	32.67	5	35.06	1	33.87	2
HD 3086 (C)	31.33	6	32.65	4	31.99	6
PBW 826	35.15	1	34.75	2	34.95	1
HD 3406	33.40	4	31.94	6	32.67	4
HD 3249(C)	34.74	2	30.14	8	32.44	5
HD 2733 (C)	29.55	8	33.77	3	31.66	8
DBW 187 (C)	34.49	3	31.58	7	33.04	3
Mean	32.81		32.81		32.81	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	1.50	6.20	22.41	
Genotype (B)		N.S.	1.59	3.82	11.86	
B within A		N.S.	2.25	5.41		
A within B			2.58	6.21		
1000 Grains Weight, g						
HD 3411	45.30	4	42.66	3	43.98	4
HD 2967 (C)	45.37	3	43.07	2	44.22	2
HD 3086 (C)	43.59	7	40.20	8	41.90	7
PBW 826	45.18	5	40.47	7	42.82	5
HD 3406	45.81	2	43.73	1	44.77	1
HD 3249(C)	42.66	8	40.69	5	41.68	8
HD 2733 (C)	46.29	1	42.06	4	44.18	3
DBW 187 (C)	45.00	6	40.57	6	42.78	6
Mean	44.90		41.68		43.29	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.53	2.17	5.94	
Genotype (B)		*	0.73	1.77	4.16	
B within A		N.S.	1.04	2.50		
A within B			1.10	2.66		
Date of Sowing	08.11.2021		06.12.2021			
Date of Harvesting	15.03.2022		15.04.2022			

Table 3.4.6. North Eastern Plains Zone			IR-TS-DOS-TAS		RPCAU PUSA 2021-22	
Genotype	Date of Sowing		Mean	Rk	Rk	Rk
	Timely	Late				
Yield, q/ha						
HD 3411	30.50	8	23.90	5	27.2	6
HD 2967 (C)	32.20	7	14.80	8	23.50	8
HD 3086 (C)	33.30	5	31.50	8	32.40	4
PBW 826	49.70	2	34.20	2	41.95	2
HD 3406	42.20	4	27.80	6	31.50	5
HD 3249(C)	48.70	3	26.30	4	37.50	3
HD 2733 (C)	32.60	6	16.50	7	24.55	7
DBW 187 (C)	50.83	1	40.60	1	45.72	1
Mean	40.00		26.08		33.04	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	0.78	3.21	11.52	
Genotype (B)		**	0.81	1.96	6.03	
B within A		**	1.15	2.77		
A within B			1.33	3.19		
Earhead/sqm						
HD 3411	219	8	216	2	218	8
HD 2967 (C)	232	7	205	7	219	7
HD 3086 (C)	245	5	210	5	228	5
PBW 826	264	1	214	3	239	1
HD 3406	248	4	211	4	229	4
HD 3249(C)	255	2	210	6	233	3
HD 2733 (C)	237	6	205	8	221	6
DBW 187 (C)	254	3	221	1	237	2
Mean	244		211		228	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	1	6	3	
Genotype (B)		N.S.	5	13	6	
B within A		N.S.	8	19		
A within B			7	18		
Grains/Earhead						
HD 3411	34.94	6	29.03	5	31.98	6
HD 2967 (C)	37.60	5	21.44	8	29.52	7
HD 3086 (C)	32.83	8	39.77	3	36.30	4
PBW 826	44.10	3	40.01	2	42.05	2
HD 3406	43.44	4	29.00	6	36.22	5
HD 3249(C)	44.78	2	32.33	4	38.55	3
HD 2733 (C)	34.26	7	22.48	7	28.37	8
DBW 187 (C)	47.09	1	47.39	1	47.24	1
Mean	39.88		32.68		36.28	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	0.31	1.28	4.20	
Genotype (B)		**	1.52	3.65	10.23	
B within A		**	2.14	5.15		
A within B			2.03	4.88		
1000 Grains Weight, g						
HD 3411	40.00	6	38.15	4	39.08	5
HD 2967 (C)	36.90	8	33.63	8	35.27	8
HD 3086 (C)	41.40	4	37.78	5	39.59	4
PBW 826	42.85	1	40.13	1	41.49	1
HD 3406	39.60	7	34.05	7	36.83	7
HD 3249(C)	42.75	3	38.90	2	40.83	2
HD 2733 (C)	40.50	5	36.32	6	38.41	6
DBW 187 (C)	42.76	2	38.80	3	40.78	3
Mean	40.84		37.22		39.03	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.46	1.89	5.75	
Genotype (B)		**	0.98	2.35	6.12	
B within A		N.S.	1.38	3.32		
A within B			1.37	3.29		
Date of Sowing	16.11.2021		15.12.2021			
Date of Harvesting	-		06.04.2021			

Table 3.4.7. North Eastern Plains Zone			IR-TS-DOS-TAS		Sabour	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	47.69	2	35.02	4	41.35	4
HD 2967 (C)	40.87	6	29.98	8	35.42	7
HD 3086 (C)	47.17	3	41.00	2	44.09	1
PBW 826	44.22	4	39.18	2	41.70	3
HD 3406	42.55	5	34.33	5	38.44	5
HD 3249(C)	40.52	7	30.46	6	36.99	6
HD 2733 (C)	36.36	8	32.56	7	34.46	8
DBW 187 (C)	49.23	1	37.34	3	43.29	2
Mean	43.57		35.36		39.47	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	1.30	5.37	16.14	
Genotype (B)		*	2.14	5.15	13.30	
B within A		N.S.	3.03	7.29		
A within B			3.12	7.50		
Earhead/sqm						
HD 3411	362	3	348	1	355	1
HD 2967 (C)	333	7	283	8	308	7
HD 3086 (C)	378	2	322	2	350	2
PBW 826	350	6	315	3	333	4
HD 3406	355	5	302	5	328	5
HD 3249(C)	357	4	298	6	327	6
HD 2733 (C)	312	8	295	7	303	8
DBW 187 (C)	392	1	307	4	349	3
Mean	355		309		332	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	9	37	13	
Genotype (B)		N.S.	21	51	16	
B within A		N.S.	30	73		
A within B			30	71		
Grains/Earhead						
HD 3411	31.42	1	25.21	8	28.32	7
HD 2967 (C)	30.51	3	27.03	7	28.77	6
HD 3086 (C)	29.71	6	31.85	1	30.78	2
PBW 826	31.16	2	30.99	2	31.07	1
HD 3406	30.01	5	28.12	4	29.06	4
HD 3249(C)	29.49	7	28.07	5	28.78	5
HD 2733 (C)	27.83	8	27.29	6	27.56	8
DBW 187 (C)	30.05	4	30.12	3	30.09	3
Mean	30.02		28.59		29.30	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.90	3.70	14.97	
Genotype (B)		N.S.	2.40	5.78	20.10	
B within A		N.S.	3.40	8.18		
A within B			3.30	7.95		
1000 Grains Weight, g						
HD 3411	42.33	3	40.82	2	41.58	3
HD 2967 (C)	40.79	7	40.04	8	40.41	8
HD 3086 (C)	42.28	4	40.04	7	41.16	4
PBW 826	40.81	6	40.33	4	40.57	6
HD 3406	40.67	8	40.22	5	40.45	7
HD 3249(C)	41.05	5	40.13	6	40.59	5
HD 2733 (C)	42.61	2	40.82	2	41.72	2
DBW 187 (C)	43.33	1	41.00	1	42.16	1
Mean	41.73		40.43		41.08	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.75	3.11	8.99	
Genotype (B)		N.S.	1.03	2.47	6.13	
B within A		N.S.	1.45	3.49		
A within B			1.55	3.74		
Date of Sowing	11.11.2021		16.12.2021			
Date of Harvesting	05.04.2022		08.04.2022			

Table 3.4.8. North Eastern Plains Zone			IR-TS-DOS-TAS		Shillongani	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	42.66	4	40.52	6	41.59	4
HD 2967 (C)	38.00	8	36.77	8	37.39	8
HD 3086 (C)	41.61	5	41.09	4	41.35	5
PBW 826	40.58	6	40.91	5	40.75	6
HD 3406	39.89	7	38.23	7	39.06	7
HD 3249(C)	42.97	3	41.90	3	42.44	3
HD 2733 (C)	44.87	2	42.53	2	43.70	2
DBW 187 (C)	46.98	1	45.24	1	46.11	1
Mean	42.20		40.90		41.55	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.14	0.57	1.63	
Genotype (B)		**	0.68	1.64	4.01	
B within A		N.S.	0.96	2.32		
A within B			0.91	2.19		
Earhead/sqm						
HD 3411	174	8	273	1	224	4
HD 2967 (C)	253	1	257	3	255	1
HD 3086 (C)	178	6	245	4	211	6
PBW 826	184	5	225	7	204	7
HD 3406	204	4	237	6	220	5
HD 3249(C)	178	6	223	8	201	8
HD 2733 (C)	204	3	265	2	235	2
DBW 187 (C)	206	2	243	5	224	3
Mean	198		246		222	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	1	3	2	
Genotype (B)		**	6	15	7	
B within A		**	9	22		
A within B			9	21		
Grains/Earhead						
HD 3411	51.27	1	30.65	8	40.96	5
HD 2967 (C)	38.53	8	36.97	3	37.75	7
HD 3086 (C)	49.75	2	36.40	5	43.08	2
PBW 826	48.22	3	40.48	1	44.35	1
HD 3406	45.36	5	36.91	4	41.14	4
HD 3249(C)	47.40	4	37.94	2	42.67	3
HD 2733 (C)	41.95	7	31.48	7	36.72	8
DBW 187 (C)	43.21	6	34.77	6	38.99	6
Mean	45.71		35.70		40.71	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	0.66	2.74	7.98	
Genotype (B)		N.S.	1.97	4.74	11.85	
B within A		N.S.	2.79	6.70		
A within B			2.69	6.47		
1000 Grains Weight, g						
HD 3411	48.11	4	48.38	4	48.25	4
HD 2967 (C)	40.96	8	38.71	8	39.83	8
HD 3086 (C)	47.71	5	46.28	5	47.00	5
PBW 826	46.01	6	45.31	6	45.66	6
HD 3406	43.27	7	43.83	7	43.55	7
HD 3249(C)	51.07	3	49.56	3	50.32	3
HD 2733 (C)	52.49	2	51.09	2	51.79	2
DBW 187 (C)	53.36	1	53.62	1	53.49	1
Mean	47.87		47.10		47.49	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.45	1.85	4.61	
Genotype (B)		**	1.14	2.74	5.89	
B within A		N.S.	1.61	3.88		
A within B			1.57	3.79		
Date of Sowing	05.11.2021		10.12.2021			
Date of Harvesting	31.03.2022		16.04.2022			

Table 3.4.9. North Eastern Plains Zone			IR-TS-DOS-TAS		Varanasi	2021-22
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 3411	47.08	6	41.09	6	44.08	6
HD 2967 (C)	45.49	7	32.44	8	38.97	8
HD 3086 (C)	44.41	8	46.91	4	45.66	5
PBW 826	51.86	3	49.72	1	50.79	1
HD 3406	49.72	4	34.25	7	41.98	7
HD 3249(C)	52.49	2	48.57	2	50.53	2
HD 2733 (C)	53.31	1	44.49	5	48.90	3
DBW 187 (C)	47.96	5	47.33	3	47.65	4
Mean	49.04		43.10		46.07	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		*	0.62	2.56	6.59	
Genotype (B)		**	0.82	1.96	4.34	
B within A		**	1.15	2.78		
A within B			1.25	3.00		
Earhead/sqm						
HD 3411	380	2	460	1	420	1
HD 2967 (C)	376	3	368	4	372	4
HD 3086 (C)	434	1	369	3	402	2
PBW 826	331	6	287	8	309	7
HD 3406	308	7	312	7	310	6
HD 3249(C)	349	4	320	6	335	5
HD 2733 (C)	342	5	423	2	382	3
DBW 187 (C)	267	8	324	5	295	8
Mean	348		358		353	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	2	9	3	
Genotype (B)		**	10	24	7	
B within A		**	14	34		
A within B			13	32		
Grains/Earhead						
HD 3411	30.10	6	28.81	8	29.45	8
HD 2967 (C)	33.87	4	34.29	5	34.08	4
HD 3086 (C)	24.50	8	36.80	3	30.65	7
PBW 826	31.35	5	39.27	2	35.31	2
HD 3406	42.04	1	42.78	1	42.41	1
HD 3249(C)	29.33	7	32.47	6	30.90	6
HD 2733 (C)	35.36	2	30.89	7	33.13	5
DBW 187 (C)	35.36	3	35.24	4	35.30	3
Mean	32.74		35.07		33.90	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		N.S.	0.67	2.75	9.62	
Genotype (B)		**	1.33	3.21	9.64	
B within A		**	1.89	4.54		
A within B			1.89	4.54		
1000 Grains Weight, g						
HD 3411	41.12	6	31.11	6	36.12	6
HD 2967 (C)	35.85	8	25.77	8	30.81	8
HD 3086 (C)	42.25	5	34.77	4	38.51	5
PBW 826	50.24	3	44.23	2	47.23	2
HD 3406	38.48	7	25.86	7	32.17	7
HD 3249(C)	51.50	1	46.96	1	49.23	1
HD 2733 (C)	44.19	4	34.58	5	39.39	4
DBW 187 (C)	50.99	2	41.60	3	46.30	3
Mean	44.33		35.61		39.97	
		F. Test	SEm	CD (0.05)	CV (%)	
Date of Sowing (A)		**	0.61	2.54	7.53	
Genotype (B)		**	0.76	1.83	4.66	
B within A		*	1.08	2.59		
A within B			1.18	2.84		
Date of Sowing	10.11.2021		10.12.2021			
Date of Harvesting	05.04.2022		09.04.2022			