

Table 2.1. North Western Plain Zone		IR-DOS-TAS			Centrewise		Yield, q/ha		2021-22	
Sowing Time	Genotype	Delhi	Gurdaspur	Gwalior	Hisar	Jammu	Ludhiana	Sriganganagar	Zonal mean	
Timely	HD 3406	48.55	56.06	43.25	61.35	58.02	50.63	68.25	55.16	
	PBW 826	50.57	64.30	54.76	59.37	57.83	60.35	74.95	60.30	
	HD 2967 (c)	49.08	54.13	46.43	50.08	51.87	54.66	74.61	54.41	
	DBW 187 (c)	51.45	57.34	52.38	59.01	53.20	53.65	65.47	56.07	
	HD 3086 (c)	53.32	57.68	49.21	46.90	50.54	52.68	64.35	53.53	
	DBW 222 (c)	50.45	63.88	54.09	60.00	55.00	56.61	73.65	59.10	
	Mean	50.57	58.90	50.02	56.12	54.41	54.76	70.22	56.43	
Late	HD 3406	34.62	59.99	38.86	43.89	40.62	46.07	38.75	43.26	
	PBW 826	38.80	62.33	51.53	46.31	44.22	48.23	41.62	47.58	
	HD 2967 (c)	31.98	56.44	40.33	39.52	45.41	48.55	41.81	43.43	
	DBW 187 (c)	35.72	57.92	41.71	46.94	43.14	42.84	42.38	44.38	
	HD 3086 (c)	32.18	51.77	41.17	39.09	40.64	42.06	45.93	41.83	
	DBW 222 (c)	37.17	61.36	48.23	45.44	41.39	41.02	41.41	45.14	
	Mean	35.08	58.30	43.64	43.53	42.57	44.79	41.98	44.27	
Mean	HD 3406	41.58	58.03	41.06	52.62	49.32	48.35	53.50	49.21	
	PBW 826	44.68	63.32	53.15	52.84	51.03	54.29	58.29	53.94	
	HD 2967 (c)	40.53	55.28	43.38	44.80	48.64	51.61	58.21	48.92	
	DBW 187 (c)	43.58	57.63	47.04	52.98	48.17	48.24	53.93	50.22	
	HD 3086 (c)	42.75	54.72	45.19	43.00	45.59	47.37	55.14	47.68	
	DBW 222 (c)	43.81	62.62	51.16	52.72	48.20	48.81	57.53	52.12	
	Mean	42.82	58.60	46.83	49.82	48.49	49.78	56.10	50.35	
CD (0.05)	Sowing (A)	1.34	NS	2.83	2.94	1.21	1.00	0.57	0.40	
	Variety (B)	0.81	3.67	2.63	2.28	3.01	2.29	2.75	1.00	
	B within A	1.14	NS	NS	3.22	NS	3.24	3.89	NS	
	A within B	1.31	NS	NS	3.42	NS	3.01	3.57	NS	
Date of Sowing:	Timely	11.11.2021	06.11.2021	10.11.2021	10.11.2021	11.11.2021	06.11.2021	05.11.2021		
	Late	13.12.2021	10.12.2021	14.12.2021	13.12.2021	11.12.2021	09.12.2021	10.12.2021		
Date of Harvesting:	Timely	08.04.2022	20.04.2022	10.04.2022	14.04.2022	24.04.2022	21.04.2022	11.04.2022		
	Late	15.04.2022	02.05.2022	12.04.2022	19.04.2022	30.04.2022	21.04.2022	15.04.2022		

Table 2.2. North Western Plain Zone		IR-DOS-TAS		Pooled		2021-22	
Variety	Date of Sowing				Mean	Rk	
	Timely	Rk	Late	Rk			
Yield, q/ha							
HD 3406	55.16	4	43.26	5	49.21	4	
PBW 826	60.30	1	47.58	1	53.94	1	
HD 2967 (c)	54.41	5	43.43	4	48.92	5	
DBW 187 (c)	56.07	3	44.38	3	50.22	3	
HD 3086 (c)	53.53	6	41.83	6	47.68	6	
DBW 222 (c)	59.10	2	45.14	2	52.12	2	
Mean	56.43		44.27		50.35		
	Sowing (A)	Variety (B)	B within A		A within B		
CD (0.05)	0.40	1.00	NS		NS		
Earhead/sq.m.							
HD 3406	392	2	362	2	377	2	
PBW 826	396	1	363	1	379	1	
HD 2967 (c)	384	4	355	5	370	4	
DBW 187 (c)	379	5	343	6	361	6	
HD 3086 (c)	374	6	357	3	365	5	
DBW 222 (c)	385	3	356	4	370	3	
Mean	385		356		370		
	Sowing (A)	Variety (B)	B within A		A within B		
CD (0.05)	5.25	8.11	NS		NS		
1000 grains weight, g							
HD 3406	37.83	4	32.03	6	34.93	5	
PBW 826	41.15	1	36.84	1	38.99	1	
HD 2967 (c)	35.92	6	33.07	4	34.50	6	
DBW 187 (c)	40.05	2	35.42	2	37.74	2	
HD 3086 (c)	38.25	3	32.94	5	35.60	3	
DBW 222 (c)	37.05	5	33.74	3	35.39	4	
Mean	38.38		34.01		36.19		
	Sowing (A)	Variety (B)	B within A		A within B		
CD (0.05)	0.35	0.72	1.02		0.99		
Grains/earhead							
HD 3406	38.40	5	38.92	3	38.66	3	
PBW 826	38.58	4	37.17	6	37.88	6	
HD 2967 (c)	40.94	2	39.41	1	40.18	2	
DBW 187 (c)	38.17	6	37.72	4	37.95	5	
HD 3086 (c)	39.15	3	37.27	5	38.21	4	
DBW 222 (c)	42.49	1	39.39	2	40.94	1	
Mean	39.62		38.31		38.97		
	Sowing (A)	Variety (B)	B within A		A within B		
CD (0.05)	0.58	1.18	NS		NS		

Centres: Delhi, Gurdaspur, Gwalior, Hisar, Jammu, Ludhiana and Sriganaganagar

Table 2.2.1.	North Western Plain Zone		IR-DOS-TAS		Delhi	2021-22
	Date of Sowing					
Genotype	Timely	Rk	Late	Rk	Mean	Rk
Yield, q/ha						
HD 3406	48.55	6	34.62	4	41.58	5
PBW 826	50.57	3	38.80	1	44.68	1
HD 2967 (c)	49.08	5	31.98	6	40.53	6
DBW 187 (c)	51.45	2	35.72	3	43.58	3
HD 3086 (c)	53.32	1	32.18	5	42.75	4
DBW 222 (c)	50.45	4	37.17	2	43.81	2
Mean	50.57		35.08		42.82	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.33	1.34	3.22	
Genotype (B)	**		0.33	0.81	1.89	
B within A	**		0.47	1.14		
A within B			0.54	1.31		
Earhead/sq.m.						
HD 3406	492	1	418	3	455	1
PBW 826	439	5	393	4	416	4
HD 2967 (c)	456	4	425	2	441	3
DBW 187 (c)	467	2	358	5	413	5
HD 3086 (c)	462	3	439	1	450	2
DBW 222 (c)	399	6	349	6	374	6
Mean	452		397		425	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		12.69	52.41	12.68	
Genotype (B)	*		18.34	44.74	10.58	
B within A	N.S.		25.94	63.27		
A within B			26.86	65.53		
1000 grains weight, g						
HD 3406	38.27	4	33.07	4	35.67	4
PBW 826	40.19	1	34.98	1	37.59	1
HD 2967 (c)	38.52	3	33.84	3	36.18	3
DBW 187 (c)	39.44	2	34.78	2	37.11	2
HD 3086 (c)	37.20	6	31.94	6	34.57	6
DBW 222 (c)	37.32	5	32.15	5	34.74	5
Mean	38.49		33.46		35.98	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.32	1.33	3.79	
Genotype (B)	**		0.09	0.21	0.59	
B within A	*		0.12	0.30		
A within B			0.34	0.83		
Grains/earhead						
HD 3406	25.85	6	25.07	4	25.46	6
PBW 826	28.71	3	28.27	3	28.49	3
HD 2967 (c)	28.08	5	23.33	6	25.70	5
DBW 187 (c)	28.08	4	29.07	2	28.57	2
HD 3086 (c)	31.40	2	23.46	5	27.43	4
DBW 222 (c)	33.94	1	34.93	1	34.43	1
Mean	29.34		27.35		28.35	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.25	5.17	18.74	
Genotype (B)	**		1.25	3.04	10.76	
B within A	N.S.		1.76	4.30		
A within B			2.04	4.97		
Date of Sowing:	11.11.2021	13.12.2021	Date of Harvesting:	08.04.2022	15.04.2022	

Genotype	Date of Sowing		Late	Rk	Mean	Rk
	Timely	Rk				
Yield, q/ha						
HD 3406	56.06	5	59.99	3	58.03	3
PBW 826	64.30	1	62.33	1	63.32	1
HD 2967 (c)	54.13	6	56.44	5	55.28	5
DBW 187 (c)	57.34	4	57.92	4	57.63	4
HD 3086 (c)	57.68	3	51.77	6	54.72	6
DBW 222 (c)	63.88	2	61.36	2	62.62	2
Mean	58.90		58.30		58.60	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.18	0.73	1.29	
Genotype (B)	**		1.50	3.67	6.29	
B within A	N.S.		2.13	5.19		
A within B			1.95	4.76		
Earhead/sq.m.						
HD 3406	370	3	346	5	358	3
PBW 826	419	1	347	4	383	1
HD 2967 (c)	366	4	328	6	347	5
DBW 187 (c)	353	5	348	3	350	4
HD 3086 (c)	332	6	349	2	340	6
DBW 222 (c)	381	2	366	1	374	2
Mean	370		347		359	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		1.23	5.07	1.45	
Genotype (B)	**		4.14	10.09	2.82	
B within A	**		5.85	14.27		
A within B			5.48	13.36		
1000 grains weight, g						
HD 3406	37.45	5	36.56	6	37.01	6
PBW 826	40.24	2	40.49	1	40.37	1
HD 2967 (c)	38.99	4	39.21	3	39.10	3
DBW 187 (c)	40.81	1	38.69	4	39.75	2
HD 3086 (c)	39.07	3	37.33	5	38.20	4
DBW 222 (c)	35.40	6	39.40	2	37.40	5
Mean	38.66		38.61		38.64	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.46	1.91	5.07	
Genotype (B)	N.S.		1.64	3.99	10.38	
B within A	N.S.		2.32	5.65		
A within B			2.16	5.28		
Grains/earhead						
HD 3406	40.50	3	47.52	1	44.01	2
PBW 826	38.28	5	45.16	2	41.72	4
HD 2967 (c)	37.99	6	44.59	3	41.29	6
DBW 187 (c)	39.79	4	43.15	4	41.47	5
HD 3086 (c)	44.76	2	39.70	6	42.23	3
DBW 222 (c)	47.40	1	42.62	5	45.01	1
Mean	41.45		43.79		42.62	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.40	1.66	4.00	
Genotype (B)	N.S.		1.65	4.03	9.48	
B within A	*		2.33	5.69		
A within B			2.17	5.29		
Date of Sowing:	06.11.2021	10.12.2021	Date of Harvesting:	20.04.2022	02.05.2022	

Table 2.2.3	North Western Plain Zone		IR-DOS-TAS		Gwalior	2021-22
	Date of Sowing					
Genotype	Timely	Rk	Late	Rk	Mean	Rk
Yield, q/ha						
HD 3406	43.25	6	38.86	6	41.06	6
PBW 826	54.76	1	51.53	1	53.15	1
HD 2967 (c)	46.43	5	40.33	5	43.38	5
DBW 187 (c)	52.38	3	41.71	3	47.04	3
HD 3086 (c)	49.21	4	41.17	4	45.19	4
DBW 222 (c)	54.09	2	48.23	2	51.16	2
Mean	50.02		43.64		46.83	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.68	2.83	6.21	
Genotype (B)	**		1.08	2.63	5.64	
B within A	N.S.		1.53	3.72		
A within B			1.55	3.79		
Earhead/sq.m.						
HD 3406	375	6	354	5	365	5
PBW 826	435	1	407	1	421	1
HD 2967 (c)	406	3	365	2	386	2
DBW 187 (c)	389	4	365	2	377	4
HD 3086 (c)	388	5	337	6	363	6
DBW 222 (c)	408	2	358	4	383	3
Mean	400		364		382	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)	(A)	**	1.81	7.49	2.01	
Genotype (B)	(B)	**	4.42	10.79	2.83	
B within A		N.S.	6.26	15.26		
A within B			5.99	14.62		
1000 grains weight, g						
HD 3406	35.07	5	26.15	6	30.61	5
PBW 826	47.96	1	40.57	1	44.27	1
HD 2967 (c)	32.14	6	27.91	5	30.02	6
DBW 187 (c)	45.14	2	34.14	2	39.64	2
HD 3086 (c)	42.26	3	33.60	3	37.93	3
DBW 222 (c)	38.94	4	31.35	4	35.15	4
Mean	40.25		32.29		36.27	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.46	1.90	5.40	
Genotype (B)	**		0.60	1.46	4.04	
B within A	*		0.85	2.07		
A within B			0.90	2.20		
Grains/earhead						
HD 3406	32.90	3	42.14	2	37.52	3
PBW 826	26.37	6	31.24	6	28.80	6
HD 2967 (c)	35.67	1	39.59	3	37.63	2
DBW 187 (c)	29.87	5	33.67	5	31.77	5
HD 3086 (c)	30.03	4	36.36	4	33.20	4
DBW 222 (c)	34.09	2	42.89	1	38.49	1
Mean	31.49		37.65		34.57	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.16	0.65	1.95	
Genotype (B)	**		1.09	2.67	7.75	
B within A	N.S.		1.55	3.77		
A within B			1.42	3.47		
Date of Sowing:	10.11.2021	14.12.2021	Date of Harvesting:	10.04.2022	12.04.2022	

Table 2.2.4	North Western Plain Zone		IR-DOS-TAS		Hisar	2021-22
	Date of Sowing					
Genotype	Timely	Rk	Late	Rk	Mean	Rk
Yield, q/ha						
HD 3406	61.35	1	43.89	4	52.62	4
PBW 826	59.37	3	46.31	2	52.84	2
HD 2967 (c)	50.08	5	39.52	5	44.80	5
DBW 187 (c)	59.01	4	46.94	1	52.98	1
HD 3086 (c)	46.90	6	39.09	6	43.00	6
DBW 222 (c)	60.00	2	45.44	3	52.72	3
Mean	56.12		43.53		49.82	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.71	2.94	6.05	
Genotype (B)	**		0.93	2.28	4.59	
B within A	*		1.32	3.22		
A within B			1.40	3.42		
Earhead/sq.m.						
HD 3406	440	2	387	4	413	4
PBW 826	432	4	409	3	421	3
HD 2967 (c)	415	5	362	6	388	6
DBW 187 (c)	435	3	415	1	425	2
HD 3086 (c)	415	5	368	5	392	5
DBW 222 (c)	443	1	411	2	427	1
Mean	430		392		411	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		4.46	18.42	4.60	
Genotype (B)	*		9.76	23.80	5.81	
B within A	N.S.		13.80	33.65		
A within B			13.36	32.59		
1000 grains weight, g						
HD 3406	36.68	3	30.26	5	33.47	4
PBW 826	41.83	1	38.34	1	40.08	1
HD 2967 (c)	33.36	6	30.98	4	32.17	6
DBW 187 (c)	37.71	2	36.65	2	37.18	2
HD 3086 (c)	35.87	4	28.74	6	32.31	5
DBW 222 (c)	35.32	5	32.21	3	33.76	3
Mean	36.79		32.86		34.83	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.32	1.34	3.95	
Genotype (B)	**		0.55	1.35	3.90	
B within A	**		0.78	1.91		
A within B			0.79	1.92		
Date of Sowing:	10.11.2021	13.12.2021	Date of Harvesting:	14.04.2022	19.04.2022	
Grains/earhead						
HD 3406	38.03	2	37.65	1	37.84	1
PBW 826	33.03	5	29.55	6	31.29	6
HD 2967 (c)	36.32	3	35.71	3	36.02	3
DBW 187 (c)	35.98	4	30.94	5	33.46	5
HD 3086 (c)	31.60	6	37.05	2	34.33	4
DBW 222 (c)	38.41	1	34.39	4	36.40	2
Mean	35.56		34.22		34.89	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.83	3.41	10.04	
Genotype (B)	**		1.14	2.78	7.99	
B within A	*		1.61	3.93		
A within B			1.68	4.11		
Date of Sowing:	10.11.2021	13.12.2021	Date of Harvesting:	14.04.2022	19.04.2022	

Genotype	North Western Plain Zone		IR-DOS-TAS		Jammu	2021-22
	Date of Sowing					
	Timely	Rk	Late	Rk	Mean	Rk
Yield, q/ha						
HD 3406	58.02	1	40.62	6	49.32	2
PBW 826	57.83	2	44.22	2	51.03	1
HD 2967 (c)	51.87	5	45.41	1	48.64	3
DBW 187 (c)	53.20	4	43.14	3	48.17	5
HD 3086 (c)	50.54	6	40.64	5	45.59	6
DBW 222 (c)	55.00	3	41.39	4	48.20	4
Mean	54.41		42.57		48.49	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.29	1.21	2.56	
Genotype (B)	N.S.		1.23	3.01	6.23	
B within A	N.S.		1.74	4.25		
A within B			1.62	3.95		
Earhead/sq.m.						
HD 3406	393	1	435	3	414	2
PBW 826	372	5	433	4	403	4
HD 2967 (c)	382	2	436	2	409	3
DBW 187 (c)	354	6	392	6	373	6
HD 3086 (c)	379	4	423	5	401	5
DBW 222 (c)	382	3	466	1	424	1
Mean	377		431		404	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		5.35	22.10	5.62	
Genotype (B)	*		9.00	21.96	5.46	
B within A	N.S.		12.73	31.06		
A within B			12.80	31.21		
1000 grains weight, g						
HD 3406	39.08	1	34.35	6	36.72	5
PBW 826	38.15	2	35.60	5	36.88	4
HD 2967 (c)	36.95	5	36.98	1	36.97	2
DBW 187 (c)	37.28	4	36.48	2	36.88	3
HD 3086 (c)	36.23	6	36.38	3	36.31	6
DBW 222 (c)	38.00	3	35.97	4	36.98	1
Mean	37.62		35.96		36.79	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.42	1.72	4.80	
Genotype (B)	N.S.		0.54	1.31	3.57	
B within A	*		0.76	1.85		
A within B			0.81	1.97		
Grains/earhead						
HD 3406	37.94	4	27.35	4	32.65	4
PBW 826	40.94	1	28.69	2	34.81	2
HD 2967 (c)	37.32	5	28.18	3	32.75	3
DBW 187 (c)	40.44	2	30.22	1	35.33	1
HD 3086 (c)	36.87	6	26.43	5	31.65	5
DBW 222 (c)	38.05	3	24.71	6	31.38	6
Mean	38.59		27.60		33.09	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.15	0.63	1.95	
Genotype (B)	N.S.		1.45	3.53	10.71	
B within A	N.S.		2.05	4.99		
A within B			1.87	4.57		
Date of Sowing:	11.11.2021	11.12.2021	Date of Harvesting:			

Genotype	Date of Sowing		Yield, q/ha		Mean	Rk
	Timely	Rk	Late	Rk		
HD 3406	38.67	5	26.50	5	32.98	5
PBW 826	61.20	1	40.10	2	50.65	1
HD 2967 (c)	31.10	6	22.63	6	26.87	6
DBW 187 (c)	50.20	4	38.70	4	44.45	4
HD 3086 (c)	50.37	3	38.77	3	44.57	3
DBW 222 (c)	57.77	2	42.50	1	50.13	2
Mean	48.22		34.87		41.54	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		2.42	9.98	24.67	
Genotype (B)	*		1.08	2.64	6.39	
B within A	**		1.53	3.74		
A within B	**		2.79	6.81		
			Earhead/sq.m.			
HD 3406	460	5	455	1	457	2
PBW 826	475	2	428	3	452	3
HD 2967 (c)	430	6	407	6	419	6
DBW 187 (c)	473	4	421	5	447	5
HD 3086 (c)	475	2	446	2	461	1
DBW 222 (c)	478	1	423	4	450	4
Mean	465		430		448	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		5.94	24.53	5.63	
Genotype (B)	*		9.22	22.50	5.05	
B within A	N.S.		13.04	31.81		
A within B			13.30	32.46		
			1000 grains weight, g			
HD 3406	31.00	5	22.60	5	26.80	5
PBW 826	48.67	1	33.70	1	41.18	1
HD 2967 (c)	28.87	6	21.77	6	25.32	6
DBW 187 (c)	46.63	2	26.80	3	36.72	2
HD 3086 (c)	43.17	3	26.27	4	34.72	3
DBW 222 (c)	38.97	4	29.67	2	34.32	4
Mean	39.55		26.80		33.18	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		1.08	4.47	13.86	
Genotype (B)	**		0.80	1.95	5.90	
B within A	**		1.13	2.76		
A within B			1.50	3.65		
			Grains/earhead			
HD 3406	27.17	2	25.66	5	26.42	5
PBW 826	26.51	3	27.68	4	27.10	4
HD 2967 (c)	25.00	4	25.47	6	25.23	6
DBW 187 (c)	22.80	6	34.44	1	28.62	3
HD 3086 (c)	24.55	5	33.17	3	28.86	2
DBW 222 (c)	31.07	1	33.92	2	32.50	1
Mean	26.18		30.06		28.12	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.50	2.07	7.56	
Genotype (B)	**		0.90	2.20	7.85	
B within A	**		1.27	3.11		
A within B			1.27	3.09		
Date of Sowing:	06.11.2021	14.12.2021	Date of Harvesting:	13.04.2022	19.04.2022	

Genotype	North Western Plain Zone		IR-DOS-TAS		Ludhiana	2021-22	
	Date of Sowing					Mean	Rk
	Timely	Rk	Late	Rk			
Yield, q/ha							
HD 3406	50.63	6	46.07	3	48.35	4	
PBW 826	60.35	1	48.23	2	54.29	1	
HD 2967 (c)	54.66	3	48.55	1	51.61	2	
DBW 187 (c)	53.65	4	42.84	4	48.24	5	
HD 3086 (c)	52.68	5	42.06	5	47.37	6	
DBW 222 (c)	56.61	2	41.02	6	48.81	3	
Mean	54.76		44.79		49.78		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	**		0.24	1.00	2.07		
Genotype (B)	**		0.94	2.29	4.62		
B within A	**		1.33	3.24			
A within B			1.24	3.01			
Earhead/sq.m.							
HD 3406	274	2	265	2	270	1	
PBW 826	274	2	260	3	267	2	
HD 2967 (c)	272	4	259	4	265	4	
DBW 187 (c)	267	6	258	5	263	5	
HD 3086 (c)	268	5	266	1	267	2	
DBW 222 (c)	283	1	234	6	258	6	
Mean	273		257		265		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	*		1.66	6.87	2.66		
Genotype (B)	N.S.		2.73	6.66	2.53		
B within A	**		3.86	9.42			
A within B			3.90	9.51			
1000 grains weight, g							
HD 3406	33.33	3	30.67	4	32.00	4	
PBW 826	39.00	1	33.67	2	36.33	1	
HD 2967 (c)	31.67	6	29.33	6	30.50	6	
DBW 187 (c)	38.00	2	34.00	1	36.00	2	
HD 3086 (c)	32.33	5	29.67	5	31.00	5	
DBW 222 (c)	33.00	4	31.67	3	32.33	3	
Mean	34.56		31.50		33.03		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	*		0.35	1.44	4.49		
Variety (B)	**		0.69	1.69	5.14		
B within A	N.S.		0.98	2.39			
A within B			0.96	2.34			
Grains/earhead							
HD 3406	55.43	5	56.97	2	56.20	4	
PBW 826	56.65	4	55.25	4	55.95	5	
HD 2967 (c)	63.65	1	63.92	1	63.78	1	
DBW 187 (c)	52.84	6	48.94	6	50.89	6	
HD 3086 (c)	60.80	2	53.58	5	57.19	3	
DBW 222 (c)	60.70	3	55.37	3	58.04	2	
Mean	58.34		55.67		57.01		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	*		0.42	1.72	3.10		
Genotype (B)	**		1.49	3.62	6.38		
B within A	N.S.		2.10	5.13			
A within B			1.96	4.79			
Date of Sowing:	06.11.2021	09.12.2021	Date of Harvesting:	21.04.2022	21.04.2022		

Genotype	North Western Plain Zone		IR-DOS-TAS		Pantnagar		2021-22
	Date of Sowing						
	Timely	Rk	Late	Rk	Mean	Rk	
Yield, q/ha							
HD 3406	53.18	2	35.09	4	41.14	2	
PBW 826	49.62	4	37.06	2	43.34	3	
HD 2967 (c)	50.48	3	35.81	3	43.15	4	
DBW 187 (c)	41.56	6	34.58	5	38.07	5	
HD 3086 (c)	42.11	5	33.76	6	37.95	6	
DBW 222 (c)	54.76	1	42.97	1	48.87	1	
Mean	48.62		36.55		42.59		
F. Test			SEm	CD (0.05)	CV (%)		
Sowing (A)	**		0.60	2.47	5.95		
Genotype (B)			1.78	4.35	10.26		
B within A	N.S.		2.52	6.16			
A within B			2.38	5.81			
Earhead/sq.m.							
HD 3406	433	1	405	2	419	1	
PBW 826	386	4	328	6	357	6	
HD 2967 (c)	419	2	401	3	410	2	
DBW 187 (c)	359	6	441	1	400	3	
HD 3086 (c)	393	3	356	5	375	4	
DBW 222 (c)	366	5	358	4	362	5	
Mean	393		381		387		
F. Test			SEm	CD (0.05)	CV (%)		
Sowing (A)	N.S.		10.47	43.23	11.47		
Genotype (B)	**		9.76	23.80	6.17		
B within A	**		13.80	33.66			
A within B			16.38	39.95			
1000 grains weight, g							
HD 3406	41.15	5	27.37	4	34.26	5	
PBW 826	53.29	2	33.69	2	43.49	2	
HD 2967 (c)	38.02	6	25.89	5	31.95	6	
DBW 187 (c)	54.14	1	35.81	1	44.97	1	
HD 3086 (c)	49.95	3	25.76	6	37.85	4	
DBW 222 (c)	45.12	4	31.16	3	38.14	3	
Mean	46.94		29.95		38.45		
F. Test			SEm	CD (0.05)	CV (%)		
Sowing (A)	**		0.63	2.61	6.97		
Genotype (B)	**		1.11	2.71	7.07		
B within A	**		1.57	3.83			
A within B			1.57	3.82			
Grains/earhead							
HD 3406	29.90	3	31.66	5	30.78	3	
PBW 826	24.56	4	33.98	4	29.27	5	
HD 2967 (c)	31.76	2	35.08	3	33.42	2	
DBW 187 (c)	21.65	5	21.92	6	21.78	6	
HD 3086 (c)	21.34	6	37.36	2	29.35	4	
DBW 222 (c)	33.30	1	38.93	1	36.12	1	
Mean	27.08		33.16		30.12		
F. Test			SEm	CD (0.05)	CV (%)		
Sowing (A)	*		0.81	3.34	11.39		
Genotype (B)	**		1.62	3.95	13.17		
B within A	*		2.29	5.59			
A within B			2.24	5.47			
Date of Sowing:	05.11.2021	13.12.2021	Date of Harvesting:	06.04.2022	18.04.2022		

Genotype	Date of Sowing		Late	Rk	Mean	Rk
	Timely	Rk				
Yield, q/ha						
HD 3406	68.25	4	38.75	6	53.50	6
PBW 826	74.95	1	41.62	4	58.29	1
HD 2967 (c)	74.61	2	41.81	3	58.21	2
DBW 187 (c)	65.47	5	42.38	2	53.93	5
HD 3086 (c)	64.35	6	45.93	1	55.14	4
DBW 222 (c)	73.65	3	41.41	5	57.53	3
Mean	70.22		41.98		56.10	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.14	0.57	1.05	
Genotype (B)	*		1.13	2.75	4.93	
B within A	**		1.60	3.89		
A within B			1.46	3.57		
Earhead/sq.m.						
HD 3406	398	2	327	1	363	1
PBW 826	400	1	290	5	345	4
HD 2967 (c)	394	4	310	3	352	2
DBW 187 (c)	388	5	266	6	327	6
HD 3086 (c)	373	6	315	2	344	5
DBW 222 (c)	398	3	304	4	351	3
Mean	392		302		347	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.54	2.22	0.66	
Genotype (B)	**		4.73	11.55	3.34	
B within A	**		6.70	16.33		
A within B			6.14	14.97		
1000 grains weight, g						
HD 3406	44.96	1	33.14	5	39.05	1
PBW 826	40.67	5	34.21	1	37.44	4
HD 2967 (c)	39.83	6	33.27	3	36.55	6
DBW 187 (c)	41.99	3	33.18	4	37.59	3
HD 3086 (c)	44.77	2	32.96	6	38.86	2
DBW 222 (c)	41.35	4	33.41	2	37.38	5
Mean	42.26		33.36		37.81	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.15	0.61	1.65	
Genotype (B)	**		0.28	0.68	1.80	
B within A	**		0.39	0.96		
A within B			0.39	0.95		
Grains/earhead						
HD 3406	38.16	6	35.74	6	36.95	6
PBW 826	46.11	2	42.01	3	44.06	3
HD 2967 (c)	47.58	1	40.54	5	44.06	2
DBW 187 (c)	40.22	4	48.07	1	44.15	1
HD 3086 (c)	38.57	5	44.30	2	41.43	5
DBW 222 (c)	44.85	3	40.81	4	42.83	4
Mean	42.58		41.91		42.25	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.25	1.01	2.46	
Genotype (B)	**		1.16	2.82	6.71	
B within A	**		1.64	3.99		
A within B			1.51	3.69		
Date of Sowing:	05.11.2021	10.12.2021	Date of Harvesting:	11.04.2022	15.04.2022	