

Table 2.1. North Western Plain Zone		IR-TS-DOS-TAS				Centrewise			Yield, q/ha			2023-24
Sowing Time	Genotype	Agra	Delhi	Durgapura	Gurdaspur	Hisar	Karnal	Ludhiana	Pantnagar	Sriganganagar	Zonal mean	
Timely	HD 2967 (C)	57.67	56.15	55.50	58.46	48.69	58.81	45.76	52.78	66.49	55.59	
	HI 1668	59.84	57.78	50.12	57.86	57.38	60.97	57.92	56.20	72.08	58.91	
	HD 3386 (I)(C)	58.41	52.40	56.65	63.54	58.17	66.15	58.80	58.18	71.17	60.39	
	HD 3471 ^M	60.53	54.76	53.08	65.05	57.26	60.10	56.51	57.99	74.16	59.94	
	DBW 222 (C)	63.41	54.99	48.83	63.07	53.69	66.04	61.46	54.33	68.25	59.34	
	DBW 187 (C)	60.69	49.96	52.91	63.31	52.30	57.38	53.33	58.17	73.43	57.94	
	DBW 386	62.82	56.55	49.54	66.38	61.51	59.79	60.81	55.04	69.44	60.21	
	PBW 826 (C)	61.90	54.60	53.97	68.39	66.07	69.50	60.13	56.35	70.74	62.41	
Mean		60.66	54.65	52.57	63.26	56.88	62.34	56.84	56.13	70.72	59.34	
Late	HD 2967 (C)	55.61	50.12	46.67	55.23	44.36	47.45	31.02	43.10	47.34	46.77	
	HI 1668	57.53	46.06	47.66	57.32	50.52	59.09	38.26	48.96	45.87	50.14	
	HD 3386 (I)(C)	56.94	40.36	45.61	61.38	52.26	59.03	52.06	52.79	49.76	52.24	
	HD 3471 ^M	58.03	41.26	43.40	62.66	46.07	58.21	44.35	48.50	49.19	50.18	
	DBW 222 (C)	61.13	40.79	45.66	61.77	47.94	56.12	49.82	55.18	40.22	50.96	
	DBW 187 (C)	58.82	39.21	48.45	62.16	43.21	57.87	44.35	51.43	52.46	50.88	
	DBW 386	60.33	44.29	43.21	66.90	47.74	57.35	41.77	48.92	47.08	50.84	
	PBW 826 (C)	59.26	43.67	48.80	65.99	49.48	57.00	35.27	50.77	40.24	50.05	
Mean		58.46	43.22	46.18	61.68	47.70	56.51	42.11	49.96	46.52	50.26	
Mean	HD 2967 (C)	56.64	53.13	51.09	56.85	46.53	53.13	38.39	47.94	56.92	51.18	
	HI 1668	58.69	51.92	48.89	57.59	53.95	60.03	48.09	52.58	58.98	54.52	
	HD 3386 (I)(C)	57.68	46.38	51.13	62.46	55.22	62.59	55.43	55.49	60.47	56.31	
	HD 3471 ^M	59.28	48.01	48.24	63.85	51.67	59.16	50.43	53.24	61.68	55.06	
	DBW 222 (C)	62.27	47.89	47.25	62.42	50.81	61.08	55.64	54.75	54.24	55.15	
	DBW 187 (C)	59.76	44.58	50.68	62.73	47.76	57.63	48.84	54.80	62.95	54.41	
	DBW 386	61.58	50.42	46.38	66.64	54.62	58.57	51.29	51.98	58.26	55.53	
	PBW 826 (C)	60.58	49.14	51.38	67.19	57.78	63.25	47.70	53.56	55.49	56.23	
Mean		59.56	48.93	49.38	62.47	52.29	59.43	49.48	53.04	58.62	54.80	
CD (0.05)	Sowing (A)	1.07	7.63	1.25	1.56	2.93	0.96	2.94	2.85	0.83	0.63	
	Variety (B)	1.90	2.34	3.89	5.14	3.37	2.26	4.12	2.48	3.65	1.10	
	B within A	2.69	3.32	5.51	7.27	4.77	3.20	5.83	3.51	5.16	1.55	
	A within B	2.59	5.42	5.20	6.86	4.78	3.04	5.72	3.68	4.85	1.64	
Date of Sowing:	Timely	10.11.2023	07.11.2023	9.11.2023	7.11.2023	09.11.2023	10.11.2023	10.11.2023	09.11.2023	09.11.2023		
	Late	10.12.2023	14.12.2023	7.12.2023	12.12.2023	16.12.2023	16.12.2023	15.12.2023	12.12.2023	10.12.2023		
Date of Harvesting:	Timely	23.03.2024	16.04.2024	10.03.2024	25.4.2024	14.04.2024	22.04.2024	27.04.2024	16.04.2024	24.04.2024		
	Late	10.04.2024	16.04.2024	25.03.2024	08.5.2024	26.04.2024	29.04.2024	27.04.2024	26.04.2024	26.04.2024		

Table 2.2. North Western Plain Zone IR-TS-DOS-TAS Pooled 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	55.59	8	46.77	8	51.18	8
HI 1668	58.91	6	50.14	6	54.52	6
HD 3386 (I)(C)	60.39	2	52.24	1	56.31	1
HD 3471 ^M	59.94	4	50.18	5	55.06	5
DBW 222 (C)	59.34	5	50.96	2	55.15	4
DBW 187 (C)	57.94	7	50.88	3	54.41	7
DBW 386	60.21	3	50.84	4	55.53	3
PBW 826 (C)	62.41	1	50.05	7	56.23	2
Mean	59.34		50.26		54.80	
CD (0.05)	Sowing (A) 0.63	Genotype (B) 1.10		B within A 1.55		A within B 1.64
Earhead/sq.m.						
HD 2967 (C)	362	1	326	7	344	6
HI 1668	354	6	325	8	340	8
HD 3386 (I)(C)	350	8	343	2	346	5
HD 3471 ^M	360	4	333	6	347	4
DBW 222 (C)	351	7	337	5	344	7
DBW 187 (C)	357	5	338	3	348	3
DBW 386	361	3	343	1	352	1
PBW 826 (C)	362	2	337	4	350	2
Mean	357		335		346	
CD (0.05)	Sowing (A) 6.03	Genotype (B) NS		B within A NS		A within B NS
Grains/earhead						
HD 2967 (C)	38.78	4	39.92	2	39.35	3
HI 1668	38.27	6	38.17	4	38.22	5
HD 3386 (I)(C)	40.02	3	37.51	6	38.77	4
HD 3471 ^M	40.37	2	39.22	3	39.79	2
DBW 222 (C)	42.27	1	41.06	1	41.66	1
DBW 187 (C)	37.27	8	38.03	5	37.65	7
DBW 386	38.08	7	37.42	7	37.75	6
PBW 826 (C)	38.39	5	36.84	8	37.61	8
Mean	39.18		38.52		38.85	
CD (0.05)	Sowing (A) NS	Genotype (B) 1.32		B within A NS		A within B 1.93
1000 grains weight, g						
HD 2967 (C)	39.57	8	36.37	8	37.97	8
HI 1668	44.84	2	42.42	1	43.63	1
HD 3386 (I)(C)	44.14	3	41.40	3	42.77	3
HD 3471 ^M	41.58	6	40.02	6	40.80	6
DBW 222 (C)	40.50	7	38.88	7	39.69	7
DBW 187 (C)	43.45	5	40.66	5	42.05	5
DBW 386	43.88	4	40.75	4	42.32	4
PBW 826 (C)	45.20	1	41.42	2	43.31	2
Mean	42.90		40.24		41.57	
CD (0.05)	Sowing (A) 0.39	Genotype (B) 0.58		B within A 0.82		A within B 0.89

Centres: Agra, Delhi, Durgapura, Gurdaspur, Hisar, Karnal, Ludhiana, Pantnagar and Sriganaganagar

Table 2.2.1. North Western Plain Zone IR-TS-DOS-TAS				Agra	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	57.67	8	55.61	8	56.64	8
HI 1668	59.84	6	57.53	6	58.69	6
HD 3386 (I)(C)	58.41	7	56.94	7	57.68	7
HD 3471 ^M	60.53	5	58.03	5	59.28	5
DBW 222 (C)	63.41	1	61.13	1	62.27	1
DBW 187 (C)	60.69	4	58.82	4	59.76	4
DBW 386	62.82	2	60.33	2	61.58	2
PBW 826 (C)	61.90	3	59.26	3	60.58	3
Mean	60.66		58.46		59.56	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.26	1.07	2.14	
Genotype (B)	**		0.79	1.90	3.25	
B within A	N.S.		1.12	2.69		
A within B			1.08	2.59		
Earhead/sq.m.						
HD 2967 (C)	297	8	297	8	297	8
HI 1668	303	6	305	5	304	6
HD 3386 (I)(C)	300	7	298	7	299	7
HD 3471 ^M	307	5	304	6	305	5
DBW 222 (C)	320	1	318	1	319	1
DBW 187 (C)	310	4	307	4	309	4
DBW 386	317	2	314	2	315	2
PBW 826 (C)	314	3	310	3	312	3
Mean	308		307		308	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.38	1.55	0.60	
Genotype (B)	**		0.70	1.70	0.56	
B within A	N.S.		1.00	2.40		
A within B			1.01	2.42		
Grains/earhead						
HD 2967 (C)	49.58	1	48.76	1	49.17	1
HI 1668	48.93	2	47.32	4	48.13	3
HD 3386 (I)(C)	48.76	3	48.67	2	48.72	2
HD 3471 ^M	48.05	4	47.67	3	47.86	4
DBW 222 (C)	45.65	8	45.28	8	45.46	8
DBW 187 (C)	46.85	5	46.99	5	46.92	5
DBW 386	46.40	7	45.98	7	46.19	7
PBW 826 (C)	46.81	6	46.40	6	46.61	6
Mean	47.63		47.13		47.38	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.15	0.63	1.59	
Genotype (B)	**		0.38	0.92	1.97	
B within A	N.S.		0.54	1.30		
A within B			0.53	1.27		

1000 grains weight, g						
HD 2967 (C)	39.13	8	38.47	8	38.80	8
HI 1668	40.34	6	39.92	6	40.13	6
HD 3386 (I)(C)	39.92	7	39.22	7	39.57	7
HD 3471 ^M	41.09	5	40.03	5	40.56	5
DBW 222 (C)	43.40	1	42.51	1	42.96	1
DBW 187 (C)	41.76	4	40.76	4	41.26	4
DBW 386	42.80	2	41.81	2	42.31	2
PBW 826 (C)	42.15	3	41.17	3	41.66	3
Mean	41.32		40.49		40.91	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.10	0.43	1.24	
Genotype (B)	**		0.56	1.36	3.38	
B within A	N.S.		0.80	1.92		
A within B			0.75	1.81		
Date of Sowing:	10.11.2023	10.12.2023	Date of Harvesting:	23.03.2024	10.04.2024	

Table 2.2.2. North Western Plain Zone		IR-TS-DOS-TAS		Delhi	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	56.15	3	50.12	1	53.13	1
HI 1668	57.78	1	46.06	2	51.92	2
HD 3386 (I)(C)	52.40	7	40.36	7	46.38	7
HD 3471 ^M	54.76	5	41.26	5	48.01	5
DBW 222 (C)	54.99	4	40.79	6	47.89	6
DBW 187 (C)	49.96	8	39.21	8	44.58	8
DBW 386	56.55	2	44.29	3	50.42	3
PBW 826 (C)	54.60	6	43.67	4	49.14	4
Mean	54.65		43.22		48.93	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		1.85	7.63	18.50	
Genotype (B)	**		0.97	2.34	4.88	
B within A	N.S.		1.38	3.32		
A within B			2.25	5.42		
Earhead/sq.m.						
HD 2967 (C)	416	1	383	3	400	1
HI 1668	405	3	345	8	375	5
HD 3386 (I)(C)	332	8	364	6	348	8
HD 3471 ^M	415	2	380	4	398	2
DBW 222 (C)	343	7	399	1	371	6
DBW 187 (C)	382	5	391	2	387	3
DBW 386	394	4	372	5	383	4
PBW 826 (C)	359	6	354	7	357	7
Mean	381		374		377	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		17.56	72.51	22.81	
Genotype (B)	N.S.		19.12	45.99	12.42	
B within A	N.S.		27.04	65.04		
A within B			30.79	74.06		

Grains/earhead						
HD 2967 (C)	36.71	5	38.81	1	37.76	3
HI 1668	37.81	4	38.67	2	38.24	2
HD 3386 (I)(C)	46.22	1	32.59	3	39.40	1
HD 3471 ^M	38.20	3	29.51	6	33.85	5
DBW 222 (C)	45.05	2	26.73	7	35.89	4
DBW 187 (C)	30.72	8	24.81	8	27.76	8
DBW 386	33.37	7	30.42	5	31.90	7
PBW 826 (C)	33.80	6	32.56	4	33.18	6
Mean	37.73		31.76		34.75	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.11	4.59	15.66	
Genotype (B)	*		2.17	5.22	15.30	
B within A	*		3.07	7.38		
A within B			3.08	7.41		
1000 grains weight, g						
HD 2967 (C)	37.42	5	34.44	7	35.93	7
HI 1668	37.84	4	35.24	6	36.54	5
HD 3386 (I)(C)	34.30	8	33.90	8	34.10	8
HD 3471 ^M	34.86	7	37.04	5	35.95	6
DBW 222 (C)	36.55	6	38.26	4	37.41	4
DBW 187 (C)	43.09	3	40.73	1	41.91	2
DBW 386	43.35	2	39.50	2	41.42	3
PBW 826 (C)	46.32	1	38.38	3	42.35	1
Mean	39.22		37.19		38.20	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.32	1.32	4.09	
Genotype (B)	**		0.62	1.50	4.00	
B within A	**		0.88	2.12		
A within B			0.89	2.13		
Date of Sowing:	07.11.2023	14.12.2023	Date of Harvesting:	16.04.2024	16.04.2024	

Table 2.2.3. North Western Plain Zone IR-TS-DOS-TAS Durgapura 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	55.50	2	46.67	4	51.09	3
HI 1668	50.12	6	47.66	3	48.89	5
HD 3386 (I)(C)	56.65	1	45.61	6	51.13	2
HD 3471 ^M	53.08	4	43.40	7	48.24	6
DBW 222 (C)	48.83	8	45.66	5	47.25	7
DBW 187 (C)	52.91	5	48.45	2	50.68	4
DBW 386	49.54	7	43.21	8	46.38	8
PBW 826 (C)	53.97	3	48.80	1	51.38	1
Mean	52.57		46.18		49.38	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.30	1.25	3.00	
Genotype (B)	N.S.		1.62	3.89	8.03	
B within A	N.S.		2.29	5.51		
A within B			2.16	5.20		

Earhead/sq.m.						
HD 2967 (C)	379	1	314	5	346	3
HI 1668	346	6	324	3	335	5
HD 3386 (I)(C)	377	2	302	6	340	4
HD 3471 ^M	369	3	293	8	331	6
DBW 222 (C)	337	7	317	4	327	7
DBW 187 (C)	367	5	331	1	349	2
DBW 386	334	8	295	7	315	8
PBW 826 (C)	368	4	331	1	349	1
Mean	360		313		337	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.59	2.43	0.86	
Genotype (B)	N.S.		11.89	28.60	8.65	
B within A	N.S.		16.81	40.44		
A within B			15.74	37.85		
Grains/earhead						
HD 2967 (C)	30.55	8	34.42	5	32.48	6
HI 1668	30.57	7	34.15	7	32.36	7
HD 3386 (I)(C)	32.90	2	35.15	3	34.03	2
HD 3471 ^M	31.14	6	35.23	2	33.18	4
DBW 222 (C)	31.99	4	34.23	6	33.11	5
DBW 187 (C)	31.22	5	33.37	8	32.29	8
DBW 386	32.40	3	35.09	4	33.75	3
PBW 826 (C)	35.40	1	35.88	1	35.64	1
Mean	32.02		34.69		33.36	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.30	1.26	4.47	
Genotype (B)	N.S.		0.80	1.91	5.84	
B within A	N.S.		1.12	2.70		
A within B			1.09	2.63		
1000 grains weight, g						
HD 2967 (C)	47.93	1	43.43	2	45.68	1
HI 1668	47.43	2	43.20	3	45.32	2
HD 3386 (I)(C)	45.80	6	43.07	4	44.43	4
HD 3471 ^M	46.17	4	42.20	6	44.18	5
DBW 222 (C)	45.30	7	42.20	5	43.75	7
DBW 187 (C)	46.37	3	44.00	1	45.18	3
DBW 386	45.90	5	41.87	7	43.88	6
PBW 826 (C)	41.43	8	41.23	8	41.33	8
Mean	45.79		42.65		44.22	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.51	2.10	5.63	
Genotype (B)	*		0.88	2.13	4.89	
B within A	N.S.		1.25	3.01		
A within B			1.27	3.07		
Date of Sowing:	9.11.2023	7.12.2023	Date of Harvesting:	10.03.2024	25.03.2024	

Table 2.2.4. North Western Plain Zone IR-TS-DOS-TAS Gurdaspur 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	58.46	7	55.23	8	56.85	8
HI 1668	57.86	8	57.32	7	57.59	7
HD 3386 (I)(C)	63.54	4	61.38	6	62.46	5
HD 3471 ^M	65.05	3	62.66	3	63.85	3
DBW 222 (C)	63.07	6	61.77	5	62.42	6
DBW 187 (C)	63.31	5	62.16	4	62.73	4
DBW 386	66.38	2	66.90	1	66.64	2
PBW 826 (C)	68.39	1	65.99	2	67.19	1
Mean	63.26		61.68		62.47	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.38	1.56	2.95	
Genotype (B)	*		2.14	5.14	8.37	
B within A	N.S.		3.02	7.27		
A within B			2.85	6.86		
Earhead/sq.m.						
HD 2967 (C)	386	3	317	8	351	6
HI 1668	341	8	322	7	332	8
HD 3386 (I)(C)	367	7	359	3	363	5
HD 3471 ^M	392	2	340	4	366	4
DBW 222 (C)	372	6	326	6	349	7
DBW 187 (C)	399	1	333	5	366	3
DBW 386	385	5	375	1	380	1
PBW 826 (C)	385	4	366	2	375	2
Mean	378		342		360	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		4.03	16.66	5.49	
Genotype (B)	*		8.61	20.71	5.85	
B within A	N.S.		12.17	29.28		
A within B			12.08	29.06		
Grains/earhead						
HD 2967 (C)	38.62	7	45.00	4	41.81	7
HI 1668	41.90	3	43.89	5	42.89	4
HD 3386 (I)(C)	44.03	1	43.15	6	43.59	3
HD 3471 ^M	41.77	4	46.55	3	44.16	2
DBW 222 (C)	42.17	2	47.10	1	44.63	1
DBW 187 (C)	38.25	8	46.71	2	42.48	5
DBW 386	41.06	6	42.30	8	41.68	8
PBW 826 (C)	41.67	5	42.53	7	42.10	6
Mean	41.18		44.65		42.92	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.14	0.59	1.63	
Genotype (B)	N.S.		2.07	4.99	11.84	
B within A	N.S.		2.93	7.06		
A within B			2.75	6.61		

1000 grains weight, g						
HD 2967 (C)	39.50	7	39.17	8	39.33	8
HI 1668	40.79	4	40.85	3	40.82	4
HD 3386 (I)(C)	39.45	8	39.80	7	39.63	7
HD 3471 ^M	39.73	6	40.01	6	39.87	6
DBW 222 (C)	40.21	5	40.19	5	40.20	5
DBW 187 (C)	41.49	3	40.27	4	40.88	3
DBW 386	42.05	2	42.29	2	42.17	2
PBW 826 (C)	42.62	1	42.35	1	42.48	1
Mean	40.73		40.61		40.67	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.32	1.30	3.81	
Genotype (B)	**		0.60	1.45	3.64	
B within A	N.S.		0.85	2.05		
A within B			0.86	2.07		
Date of Sowing:	7.11.2023	12.12.2023	Date of Harvesting:	25.4.2024	08.5.2024	

Table 2.2.5. North Western Plain Zone		IR-TS-DOS-TAS		Hisar	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	48.69	8	44.36	7	46.53	8
HI 1668	57.38	4	50.52	2	53.95	4
HD 3386 (I)(C)	58.17	3	52.26	1	55.22	2
HD 3471 ^M	57.26	5	46.07	6	51.67	5
DBW 222 (C)	53.69	6	47.94	4	50.81	6
DBW 187 (C)	52.30	7	43.21	8	47.76	7
DBW 386	61.51	2	47.74	5	54.62	3
PBW 826 (C)	66.07	1	49.48	3	57.78	1
Mean	56.88		47.70		52.29	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.71	2.93	6.64	
Genotype (B)	**		1.40	3.37	6.57	
B within A	*		1.98	4.77		
A within B			1.99	4.78		
Earhead/sq.m.						
HD 2967 (C)	407	8	361	8	384	8
HI 1668	432	4	403	1	417	3
HD 3386 (I)(C)	445	1	399	3	422	2
HD 3471 ^M	416	6	377	6	397	6
DBW 222 (C)	417	5	380	5	399	5
DBW 187 (C)	409	7	365	7	387	7
DBW 386	443	3	389	4	416	4
PBW 826 (C)	444	2	401	2	423	1
Mean	427		385		406	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		4.25	17.57	5.14	
Genotype (B)	*		9.04	21.75	5.46	
B within A	N.S.		12.79	30.76		
A within B			12.70	30.54		

Grains/earhead						
HD 2967 (C)	34.74	4	44.14	1	39.44	1
HI 1668	36.52	3	36.66	4	36.59	4
HD 3386 (I)(C)	30.01	8	32.46	7	31.23	8
HD 3471 ^M	38.90	1	39.94	3	39.42	2
DBW 222 (C)	38.18	2	40.35	2	39.26	3
DBW 187 (C)	31.67	6	35.70	5	33.68	5
DBW 386	31.31	7	32.65	6	31.98	7
PBW 826 (C)	33.71	5	31.04	8	32.37	6
Mean	34.38		36.62		35.50	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.13	0.54	1.81	
Genotype (B)	**		1.28	3.09	8.85	
B within A	N.S.		1.81	4.36		
A within B			1.70	4.09		
1000 grains weight, g						
HD 2967 (C)	34.46	7	27.82	8	31.14	8
HI 1668	36.57	5	34.37	4	35.47	5
HD 3386 (I)(C)	43.63	3	40.49	1	42.06	2
HD 3471 ^M	35.41	6	30.54	7	32.98	6
DBW 222 (C)	33.78	8	31.36	6	32.57	7
DBW 187 (C)	40.35	4	33.33	5	36.84	4
DBW 386	44.44	1	37.60	3	41.02	3
PBW 826 (C)	44.26	2	39.94	2	42.10	1
Mean	39.11		34.43		36.77	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.39	1.60	5.16	
Genotype (B)	**		0.57	1.38	3.82	
B within A	*		0.81	1.95		
A within B			0.85	2.05		
Date of Sowing:	09.11.2023	16.12.2023	Date of Harvesting:	14.04.2024	26.04.2024	

Table 2.2.6. North Western Plain Zone		IR-TS-DOS-TAS		Jammu	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	45.30	8	33.43	8	39.36	8
HI 1668	50.23	3	38.52	3	44.38	3
HD 3386 (I)(C)	46.16	7	34.18	7	40.17	7
HD 3471 ^M	52.45	1	39.14	1	45.79	1
DBW 222 (C)	47.41	5	37.44	5	41.41	5
DBW 187 (C)	51.07	2	38.89	2	44.98	2
DBW 386	46.59	6	34.86	6	40.72	6
PBW 826 (C)	49.37	4	37.02	4	43.20	4
Mean	48.57		36.43		42.50	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.54	2.22	6.21	
Genotype (B)	**		1.03	2.47	5.91	
B within A	N.S.		1.45	3.49		
A within B			1.46	3.51		

Earhead/sq.m.						
HD 2967 (C)	392	8	386	8	389	8
HI 1668	414	3	402	3	408	3
HD 3386 (I)(C)	397	7	387	7	392	7
HD 3471 ^M	436	1	432	1	434	1
DBW 222 (C)	406	5	396	5	401	5
DBW 187 (C)	427	2	422	2	425	2
DBW 386	403	6	393	6	398	6
PBW 826 (C)	410	4	396	4	403	4
Mean	411		402		406	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.71	2.95	0.86	
Genotype (B)	**		7.57	18.21	4.56	
B within A	N.S.		10.70	25.75		
A within B			10.04	24.15		
Grains/earhead						
HD 2967 (C)	26.18	1	20.71	5	23.44	4
HI 1668	26.06	2	22.41	1	24.24	1
HD 3386 (I)(C)	25.97	3	21.20	3	23.59	3
HD 3471 ^M	25.43	6	20.52	7	22.97	6
DBW 222 (C)	25.20	8	20.61	6	22.91	7
DBW 187 (C)	25.49	5	20.91	4	23.20	5
DBW 386	25.21	7	20.39	8	22.80	8
PBW 826 (C)	25.97	4	21.35	2	23.66	2
Mean	25.69		21.01		23.35	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.07	0.30	1.50	
Genotype (B)	N.S.		1.07	2.58	11.24	
B within A	N.S.		1.51	3.64		
A within B			1.42	3.41		
1000 grains weight, g						
HD 2967 (C)	44.56	8	41.85	8	43.20	8
HI 1668	46.67	3	43.86	4	45.26	3
HD 3386 (I)(C)	44.95	7	42.15	7	43.55	7
HD 3471 ^M	47.29	1	44.17	1	45.73	1
DBW 222 (C)	46.34	5	43.39	6	44.87	5
DBW 187 (C)	47.21	2	44.10	2	45.66	2
DBW 386	45.93	6	43.49	5	44.71	6
PBW 826 (C)	46.45	4	43.86	3	45.15	4
Mean	46.17		43.36		44.77	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.34	1.42	3.76	
Genotype (B)	N.S.		1.04	2.51	5.71	
B within A	N.S.		1.48	3.55		
A within B			1.42	3.42		
Date of Sowing:	08.11.2023	12.12.2023	Date of Harvesting:	30..04.2024	07..05.2024	

Table 2.2.7. North Western Plain Zone		IR-TS-DOS-TAS			Karnal	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	58.81	7	47.45	8	53.13	8
HI 1668	60.97	4	59.09	1	60.03	4
HD 3386 (I)(C)	66.15	2	59.03	2	62.59	2
HD 3471 ^M	60.10	5	58.21	3	59.16	5
DBW 222 (C)	66.04	3	56.12	7	61.08	3
DBW 187 (C)	57.38	8	57.87	4	57.63	7
DBW 386	59.79	6	57.35	5	58.57	6
PBW 826 (C)	69.50	1	57.00	6	63.25	1
Mean	62.34		56.51		59.43	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.23	0.96	1.91	
Genotype (B)	**		0.94	2.26	3.88	
B within A	**		1.33	3.20		
A within B			1.27	3.04		
Earhead/sq.m.						
HD 2967 (C)	442	3	416	5	429	5
HI 1668	434	4	388	8	411	8
HD 3386 (I)(C)	429	7	413	6	421	7
HD 3471 ^M	433	5	432	1	433	2
DBW 222 (C)	450	2	408	7	429	3
DBW 187 (C)	421	8	423	3	422	6
DBW 386	430	6	428	2	429	3
PBW 826 (C)	456	1	419	4	438	1
Mean	437		416		426	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		3.12	12.87	3.58	
Genotype (B)	N.S.		6.67	16.05	3.83	
B within A	N.S.		9.44	22.70		
A within B			9.36	22.52		
Grains/earhead						
HD 2967 (C)	38.58	1	34.35	4	36.47	3
HI 1668	31.19	8	32.39	7	31.79	8
HD 3386 (I)(C)	32.94	7	32.05	8	32.49	7
HD 3471 ^M	34.66	5	32.91	5	33.78	5
DBW 222 (C)	36.78	4	36.55	1	36.67	1
DBW 187 (C)	38.06	2	34.45	3	36.25	4
DBW 386	37.21	3	35.83	2	36.52	2
PBW 826 (C)	33.95	6	32.47	6	33.21	6
Mean	35.42		33.88		34.65	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.18	4.89	16.74	
Genotype (B)	*		1.24	2.98	8.77	
B within A	N.S.		1.75	4.22		
A within B			2.02	4.87		

1000 grains weight, g						
HD 2967 (C)	35.15	8	33.24	8	34.19	8
HI 1668	45.11	2	47.05	1	46.08	1
HD 3386 (I)(C)	47.03	1	44.77	2	45.90	2
HD 3471 ^M	40.05	4	41.01	4	40.53	4
DBW 222 (C)	39.99	5	37.64	7	38.82	5
DBW 187 (C)	36.13	7	39.83	5	37.98	6
DBW 386	37.45	6	37.67	6	37.56	7
PBW 826 (C)	44.98	3	42.20	3	43.59	3
Mean	40.74		40.43		40.58	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.05	4.35	12.71	
Genotype (B)	**		0.88	2.11	5.30	
B within A	N.S.		1.24	2.99		
A within B			1.57	3.77		
Date of Sowing:	10.11.2023	16.12.2023	Date of Harvesting:	22.04.2024	29.04.2024	

Table 2.2.8. North Western Plain Zone		IR-TS-DOS-TAS		Ludhiana		2023-24	
Genotype	Date of Sowing				Mean	Rk	
	Timely	Rk	Late	Rk			
Yield, q/ha							
HD 2967 (C)	45.76	8	31.02	8	38.39	8	
HI 1668	57.92	5	38.26	6	48.09	6	
HD 3386 (I)(C)	58.80	4	52.06	1	55.43	2	
HD 3471 ^M	56.51	6	44.35	3	50.43	4	
DBW 222 (C)	61.46	1	49.82	2	55.64	1	
DBW 187 (C)	53.33	7	44.35	3	48.84	5	
DBW 386	60.81	2	41.77	5	51.29	3	
PBW 826 (C)	60.13	3	35.27	7	47.70	7	
Mean	56.84		42.11		49.48		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	**		0.71	2.94	7.04		
Genotype (B)	**		1.71	4.12	8.49		
B within A	*		2.42	5.83			
A within B			2.38	5.72			
Earhead/sq.m.							
HD 2967 (C)	289	8	271	8	280	8	
HI 1668	308	6	278	5	293	6	
HD 3386 (I)(C)	310	4	325	1	318	2	
HD 3471 ^M	317	3	313	2	315	3	
DBW 222 (C)	343	1	299	4	321	1	
DBW 187 (C)	297	7	307	3	302	4	
DBW 386	323	2	274	6	299	5	
PBW 826 (C)	310	4	273	7	292	7	
Mean	312		293		302		
	F. Test		SEm	CD (0.05)	CV (%)		
Sowing (A)	**		0.73	3.03	1.19		
Genotype (B)	N.S.		9.64	23.19	7.81		
B within A	N.S.		13.64	32.80			
A within B			12.78	30.73			

Grains/earhead						
HD 2967 (C)	43.74	3	30.76	6	37.25	5
HI 1668	44.54	2	29.57	7	37.05	6
HD 3386 (I)(C)	41.70	5	34.95	4	38.32	2
HD 3471 ^M	40.69	8	32.66	5	36.67	7
DBW 222 (C)	49.59	1	43.74	1	46.66	1
DBW 187 (C)	41.40	6	35.21	2	38.30	3
DBW 386	41.08	7	34.99	3	38.03	4
PBW 826 (C)	42.38	4	28.66	8	35.52	8
Mean	43.14		33.82		38.48	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.28	1.18	3.63	
Genotype (B)	*		1.98	4.76	12.59	
B within A	N.S.		2.80	6.73		
A within B			2.63	6.33		
1000 grains weight, g						
HD 2967 (C)	36.43	8	37.45	8	36.94	8
HI 1668	42.38	6	46.57	1	44.47	4
HD 3386 (I)(C)	45.44	3	45.91	2	45.67	1
HD 3471 ^M	44.48	4	43.50	4	43.99	5
DBW 222 (C)	36.52	7	38.21	7	37.36	7
DBW 187 (C)	43.79	5	41.27	6	42.53	6
DBW 386	46.01	2	43.48	5	44.74	3
PBW 826 (C)	46.25	1	45.04	3	45.65	2
Mean	42.66		42.68		42.67	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.43	1.76	4.89	
Genotype (B)	**		1.06	2.55	6.08	
B within A	N.S.		1.50	3.60		
A within B			1.46	3.52		
Date of Sowing:	10.11.2023	15.12.2023	Date of Harvesting:	27.04.2024	27.04.2024	

Table 2.2.9. North Western Plain Zone IR-TS-DOS-TAS Pantnagar 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	52.78	8	43.10	8	47.94	8
HI 1668	56.20	5	48.96	5	52.58	6
HD 3386 (I)(C)	58.18	1	52.79	2	55.49	1
HD 3471 ^M	57.99	3	48.50	7	53.24	5
DBW 222 (C)	54.33	7	55.18	1	54.75	3
DBW 187 (C)	58.17	2	51.43	3	54.80	2
DBW 386	55.04	6	48.92	6	51.98	7
PBW 826 (C)	56.35	4	50.77	4	53.56	4
Mean	56.13		49.96		53.04	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.69	2.85	6.38	
Genotype (B)	**		1.03	2.48	4.76	
B within A	*		1.46	3.51		
A within B			1.53	3.68		

Earhead/sq.m.						
HD 2967 (C)	283	1	253	3	268	2
HI 1668	266	3	239	7	252	6
HD 3386 (I)(C)	237	6	280	2	258	4
HD 3471 ^M	234	7	227	8	231	8
DBW 222 (C)	229	8	249	5	239	7
DBW 187 (C)	273	2	252	4	263	3
DBW 386	266	3	293	1	280	1
PBW 826 (C)	260	5	245	6	253	5
Mean	256		255		255	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		5.33	22.02	10.23	
Genotype (B)	*		9.36	22.52	8.98	
B within A	N.S.		13.24	31.85		
A within B			13.48	32.44		
Grains/earhead						
HD 2967 (C)	37.67	7	43.16	5	40.42	7
HI 1668	34.74	8	42.73	6	38.73	8
HD 3386 (I)(C)	43.63	3	41.05	8	42.34	4
HD 3471 ^M	49.53	1	49.31	2	49.42	2
DBW 222 (C)	48.72	2	54.51	1	51.62	1
DBW 187 (C)	39.97	5	47.04	3	43.50	3
DBW 386	41.79	4	42.09	7	41.94	6
PBW 826 (C)	39.41	6	45.16	4	42.29	5
Mean	41.93		45.63		43.78	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.80	3.31	8.96	
Genotype (B)	**		1.89	4.55	10.59	
B within A	N.S.		2.68	6.44		
A within B			2.63	6.32		
1000 grains weight, g						
HD 2967 (C)	49.73	7	39.80	8	44.77	8
HI 1668	61.33	1	48.21	1	54.77	1
HD 3386 (I)(C)	56.50	2	45.94	3	51.22	2
HD 3471 ^M	50.07	5	43.52	5	46.80	5
DBW 222 (C)	49.17	8	40.90	6	45.03	6
DBW 187 (C)	53.69	4	44.34	4	49.02	4
DBW 386	50.03	6	39.97	7	45.00	7
PBW 826 (C)	55.19	3	45.98	2	50.58	3
Mean	53.21		43.58		48.40	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.39	1.63	4.00	
Genotype (B)	**		0.92	2.21	4.65	
B within A	N.S.		1.30	3.13		
A within B			1.28	3.07		
Date of Sowing:	09.11.2023	12.12.2023	Date of Harvesting:	16.04.2024	26.04.2024	

Table 2.2.10. North Western Plain Zone IR-TS-DOS-TAS Sriganaganagar 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HD 2967 (C)	66.49	8	47.34	4	56.92	6
HI 1668	72.08	3	45.87	6	58.98	4
HD 3386 (I)(C)	71.17	4	49.76	2	60.47	3
HD 3471 ^M	74.16	1	49.19	3	61.68	2
DBW 222 (C)	68.25	7	40.22	8	54.24	8
DBW 187 (C)	73.43	2	52.46	1	62.95	1
DBW 386	69.44	6	47.08	5	58.26	5
PBW 826 (C)	70.74	5	40.24	7	55.49	7
Mean	70.72		46.52		58.62	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.20	0.83	1.67	
Genotype (B)	**		1.52	3.65	6.34	
B within A	N.S.		2.15	5.16		
A within B			2.02	4.85		
Earhead/sq.m.						
HD 2967 (C)						
HI 1668						
HD 3386 (I)(C)						
HD 3471 ^M						
DBW 222 (C)						
DBW 187 (C)						
DBW 386						
PBW 826 (C)						
Mean						
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)						
Genotype (B)						
B within A						
A within B						
Grains/earhead						
HD 2967 (C)						
HI 1668						
HD 3386 (I)(C)						
HD 3471 ^M						
DBW 222 (C)						
DBW 187 (C)						
DBW 386						
PBW 826 (C)						
Mean						
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)						
Genotype (B)						
B within A						
A within B						

1000 grains weight, g						
HD 2967 (C)	36.33	8	33.50	8	34.92	8
HI 1668	51.80	1	46.40	1	49.10	1
HD 3386 (I)(C)	45.23	2	39.50	5	42.37	4
HD 3471 ^M	42.33	6	42.37	3	42.35	5
DBW 222 (C)	39.60	7	38.60	6	39.10	7
DBW 187 (C)	44.37	3	41.43	4	42.90	2
DBW 386	42.93	5	42.57	2	42.75	3
PBW 826 (C)	43.60	4	36.50	7	40.05	6
Mean	43.28		40.11		41.69	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.14	0.60	1.70	
Genotype (B)	**		0.23	0.56	1.37	
B within A	**		0.33	0.79		
A within B			0.34	0.82		
Date of Sowing:	09.11.2023	10.12.2023	Date of Harvesting:	24.04.2024	26.04.2024	