

Table 2.5. North Western Plain Zone		IR-TS-HL-DOS	Centrewise	Yield, q/ha	2023-24
Sowing Time	Genotype	Durgapura	Karnal	Ludhiana	Zonal mean
Timely	DWRB 223	43.47	37.82	43.50	41.59
	PL 891 (C)	52.39	37.87	44.30	44.85
	Karan 16 (C)	64.33	39.34	57.75	53.81
	NDB 943 (C)	58.70	32.07	49.83	46.87
	Mean	54.72	36.77	48.84	46.78
Late	DWRB 223	25.30	34.38	27.17	28.95
	PL 891 (C)	22.77	34.14	23.71	26.88
	Karan 16 (C)	26.94	35.43	38.04	33.47
	NDB 943 (C)	20.20	29.50	31.92	27.21
	Mean	23.80	33.36	30.21	29.12
Mean	DWRB 223	34.38	36.10	35.33	35.27
	PL 891 (C)	37.58	36.01	34.00	35.86
	Karan 16 (C)	45.63	37.38	47.90	43.64
	NDB 943 (C)	39.45	30.79	40.87	37.04
	Mean	39.26	35.07	39.53	37.95
CD (0.05)	Sowing (A)	1.51	0.81	1.98	0.58
	Genotype (B)	3.19	1.57	3.08	1.48
	B within A	4.50	2.22	4.36	2.10
	A within B	4.01	1.98	3.96	2.16
Date of Sowing:	Timely	09.11.2023	12.11.2023	15.11.2023	
	Late	07.12.2023	10.12.2023	10.12.2023	
Date of Harvesting:	Timely	04.03.2024	15.04.2024	12.04.2024	
	Late	18.03.2024	22.04.2024	12.04.2024	

Table 2.6. North Western Plain Zone IR-TS-HL-DOS Pooled 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
DWRB 223	41.59	4	28.95	2	35.27	4
PL 891 (C)	44.85	3	26.88	4	35.86	3
Karan 16 (C)	53.81	1	33.47	1	43.64	1
NDB 943 (C)	46.87	2	27.21	3	37.04	2
Mean	46.78		29.12		37.95	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.58	1.48		2.10		2.16
Earhead/sq.m.						
DWRB 223	324.70	4	266.05	3	295.37	3
PL 891 (C)	335.08	3	270.83	2	302.95	2
Karan 16 (C)	367.97	1	282.43	1	325.20	1
NDB 943 (C)	338.17	2	249.70	4	293.93	4
Mean	341.48		267.25		304.36	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	4.71	8.46		11.97		12.71
Grains/earhead						
DWRB 223	31.91	3	29.37	3	30.64	3
PL 891 (C)	29.57	4	23.73	4	26.65	4
Karan 16 (C)	39.07	1	31.59	1	35.33	1
NDB 943 (C)	33.70	2	30.84	2	32.27	2
Mean	33.56		28.88		31.22	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.31	1.81		NS		2.82
1000 grains weight, g						
DWRB 223	40.67	3	38.23	3	39.45	2
PL 891 (C)	45.32	1	42.96	1	44.14	1
Karan 16 (C)	38.97	4	38.63	2	38.80	4
NDB 943 (C)	41.52	2	37.35	4	39.43	3
Mean	41.62		39.29		40.45	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.37	1.13		NS		2.03

Centres: Durgapura, Karnal, Ludhiana

Table 2.6.1. North Western Plain Zone		IR-TS-HL-DOS			Durgapura	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
DWRB 223	43.47	4	25.30	2	34.38	4
PL 891 (C)	52.39	3	22.77	3	37.58	3
Karan 16 (C)	64.33	1	26.94	1	45.63	1
NDB 943 (C)	58.70	2	20.20	4	39.45	2
Mean	54.72		23.80		39.26	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.37	1.51	3.23	
Genotype (B)	**		1.26	3.19	7.89	
B within A	**		1.79	4.50		
A within B			1.59	4.01		
Earhead/sq.m.						
DWRB 223	335	4	199	2	267	4
PL 891 (C)	361	3	183	3	272	3
Karan 16 (C)	422	1	210	1	316	1
NDB 943 (C)	396	2	167	4	282	2
Mean	379		190		284	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		2.37	9.77	2.88	
Genotype (B)	**		6.69	16.87	5.77	
B within A	**		9.46	23.85		
A within B			8.53	21.50		
Grains/earhead						
DWRB 223	28.97	4	29.32	1	29.14	3
PL 891 (C)	30.25	3	24.91	4	27.58	4
Karan 16 (C)	33.40	1	29.31	2	31.36	1
NDB 943 (C)	31.32	2	27.53	3	29.42	2
Mean	30.98		27.77		29.38	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.50	2.08	5.93	
Genotype (B)	*		0.84	2.12	7.03	
B within A	N.S.		1.19	3.00		
A within B			1.15	2.89		
1000 grains weight, g						
DWRB 223	44.86	4	43.56	4	44.21	4
PL 891 (C)	48.19	1	50.14	1	49.17	1
Karan 16 (C)	45.75	3	43.96	2	44.86	3
NDB 943 (C)	47.35	2	43.95	3	45.65	2
Mean	46.54		45.40		45.97	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.10	4.52	8.25	
Genotype (B)	*		1.12	2.83	5.99	
B within A	N.S.		1.59	4.00		
A within B			1.76	4.43		
Date of Sowing:	9.11.2023	7.12.2023	Date of Harvesting:	4.03.2024	18.03.2024	

Table 2.6.2. North Western Plain Zone		IR-TS-HL-DOS			Karnal	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
DWRB 223	37.82	3	34.38	2	36.10	2
PL 891 (C)	37.87	2	34.14	3	36.01	3
Karan 16 (C)	39.34	1	35.43	1	37.38	1
NDB 943 (C)	32.07	4	29.50	4	30.79	4
Mean	36.77		33.36		35.07	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.20	0.81	1.94	
Genotype (B)	**		0.62	1.57	4.34	
B within A	N.S.		0.88	2.22		
A within B			0.79	1.98		
Earhead/sq.m.						
DWRB 223	343	2	343	3	343	2
PL 891 (C)	340	3	344	2	342	3
Karan 16 (C)	367	1	354	1	360	1
NDB 943 (C)	328	4	329	4	328	4
Mean	344		343		344	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		3.93	16.22	3.96	
Genotype (B)	N.S.		7.89	19.90	5.63	
B within A	N.S.		11.16	28.14		
A within B			10.44	26.30		
Grains/earhead						
DWRB 223	28.75	1	26.65	2	27.70	2
PL 891 (C)	27.97	3	24.73	3	26.35	3
Karan 16 (C)	28.20	2	27.29	1	27.75	1
NDB 943 (C)	26.26	4	24.42	4	25.34	4
Mean	27.79		25.78		26.78	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.52	2.14	6.71	
Genotype (B)	N.S.		0.96	2.42	8.79	
B within A	N.S.		1.36	3.43		
A within B			1.29	3.24		
1000 grains weight, g						
DWRB 223	38.48	2	37.77	2	38.13	2
PL 891 (C)	40.07	1	40.17	1	40.12	1
Karan 16 (C)	38.17	3	36.68	4	37.43	3
NDB 943 (C)	37.40	4	36.71	3	37.05	4
Mean	38.53		37.83		38.18	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.25	1.02	2.25	
Genotype (B)	**		0.45	1.13	2.88	
B within A	N.S.		0.63	1.60		
A within B			0.60	1.52		
Date of Sowing:	12.11.2023	10.12.2023	Date of Harvesting:	15.04.2024	22.04.2024	

Table 2.6.3. North Western Plain Zone IR-TS-HL-DOS Ludhiana 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
DWRB 223	43.50	4	27.17	3	35.33	3
PL 891 (C)	44.30	3	23.71	4	34.00	4
Karan 16 (C)	57.75	1	38.04	1	47.90	1
NDB 943 (C)	49.83	2	31.92	2	40.87	2
Mean	48.84		30.21		39.53	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.48	1.98	4.20	
Genotype (B)	**		1.22	3.08	7.58	
B within A	N.S.		1.73	4.36		
A within B			1.57	3.96		
Earhead/sq.m.						
DWRB 223	297	3	256	3	276	3
PL 891 (C)	305	2	285	1	295	2
Karan 16 (C)	315	1	283	2	299	1
NDB 943 (C)	291	4	252	4	272	4
Mean	302		269		286	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		2.34	9.65	2.84	
Genotype (B)	**		2.49	6.27	2.13	
B within A	*		3.52	8.86		
A within B			3.84	9.67		
Grains/earhead						
DWRB 223	38.02	3	32.14	3	35.08	3
PL 891 (C)	30.48	4	21.56	4	26.02	4
Karan 16 (C)	55.60	1	38.16	2	46.88	1
NDB 943 (C)	43.53	2	40.56	1	42.04	2
Mean	41.91		33.10		37.51	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		1.24	5.10	11.42	
Genotype (B)	**		1.88	4.74	12.28	
B within A	N.S.		2.66	6.70		
A within B			2.61	6.58		
1000 grains weight, g						
DWRB 223	38.66	3	33.35	3	36.01	2
PL 891 (C)	47.69	1	38.58	1	43.13	1
Karan 16 (C)	32.98	4	35.24	2	34.11	4
NDB 943 (C)	39.81	2	31.38	4	35.59	3
Mean	39.78		34.64		37.21	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.99	4.09	9.23	
Genotype (B)	**		0.75	1.90	4.96	
B within A	**		1.07	2.68		
A within B			1.35	3.41		
Date of Sowing:	15.11.2023	10.12.2023	Date of Harvesting:	12.04.2024	12.04.2024	