

Table 2.1. North Western Plain Zone		IR-LS-DOS-TAS			Centrewise			Yield, q/ha		2023-24
Sowing Time	Genotype	Agra	Delhi	Gurdaspur	Hisar	Ludhiana	Pantnagar	Sriganganagar	Zonal mean	
Late	NWLSDOS 101	54.11	40.80	53.75	50.83	52.23	48.99	51.90	50.37	
	NWLSDOS 102	55.91	41.55	53.02	58.10	54.08	51.06	61.15	53.55	
	NWLSDOS 103	53.72	42.45	60.49	57.14	51.22	49.62	57.10	53.11	
	NWLSDOS 104	47.45	43.34	54.74	52.78	43.99	52.27	48.29	48.98	
	NWLSDOS 105	54.89	43.38	56.98	55.95	55.45	50.62	62.96	54.32	
	Mean	53.22	42.30	55.80	54.96	51.39	50.51	56.28	52.07	
Very late	NWLSDOS 101	36.64	33.97	48.15	35.71	20.03	39.77	41.33	36.51	
	NWLSDOS 102	41.07	33.76	46.28	38.02	28.36	41.15	35.75	37.77	
	NWLSDOS 103	38.13	35.43	50.73	39.92	23.13	45.24	40.49	39.01	
	NWLSDOS 104	35.79	35.34	47.89	35.16	14.23	37.47	34.13	34.29	
	NWLSDOS 105	39.04	37.83	50.42	37.14	21.79	39.81	34.19	37.17	
	Mean	38.13	35.27	48.69	37.19	21.51	40.69	37.18	36.95	
Mean	NWLSDOS 101	45.37	37.38	50.95	43.27	36.13	44.38	46.62	43.44	
	NWLSDOS 102	48.49	37.65	49.65	48.06	41.22	46.10	48.45	45.66	
	NWLSDOS 103	45.93	38.94	55.61	48.53	37.17	47.43	48.80	46.06	
	NWLSDOS 104	41.62	39.34	51.32	43.97	29.11	44.87	41.21	41.63	
	NWLSDOS 105	46.97	40.60	53.70	46.55	38.62	45.22	48.57	45.75	
	Mean	45.67	38.79	52.24	46.07	36.45	45.60	46.73	44.51	
CD (0.05)	Sowing (A)	2.97	4.88	4.71	3.13	4.55	1.72	1.07	0.55	
	Variety (B)	2.51	2.63	4.98	3.86	2.80	2.38	4.92	1.04	
	B within A	3.55	3.72	7.04	5.46	3.95	3.37	6.95	NS	
	A within B	3.49	4.11	6.71	5.12	4.19	3.13	6.24	1.49	
Date of Sowing:	Late	10.12.2023	14.12.2023	11.12.2023	16.12.2023	10.11.2023	11.12.2023	10.12.2023		
	Very Late	05.01.2024	4.1.2024	2.1.2024	05.01.2024	07.01.2024	04.01.2024	02.01.2024		
Date of Harvesting:	Late	09.04.2024	25.04.2024	2.5.2024	24.04.2024	11.05.2024	23.04.2024	24.04.2024		
	Very Late	20.04.2024	30.4.2024	14.5.2024	30.04.2024	11.05.2024	29.04.2024	26.04.2024		

Table 2.2. North Western Plain Zone		IR-LS-DOS-TAS		Pooled	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	50.37	4	36.51	4	43.44	4
NWLSDOS 102	53.55	2	37.77	2	45.66	3
NWLSDOS 103	53.11	3	39.01	1	46.06	1
NWLSDOS 104	48.98	5	34.29	5	41.63	5
NWLSDOS 105	54.32	1	37.17	3	45.75	2
Mean	52.07		36.95		44.51	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.55	1.04		NS		1.49
Earhead/sq.m.						
NWLSDOS 101	352.64	3	324.86	4	338.75	3
NWLSDOS 102	362.10	2	325.58	3	343.84	2
NWLSDOS 103	344.17	5	331.15	2	337.66	4
NWLSDOS 104	346.74	4	304.24	5	325.49	5
NWLSDOS 105	362.60	1	340.69	1	351.65	1
Mean	353.65		325.31		339.48	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	8.06	7.76		10.97		13.06
Grains/earhead						
NWLSDOS 101	38.26	4	33.61	3	35.93	3
NWLSDOS 102	37.57	5	33.24	4	35.40	4
NWLSDOS 103	39.30	2	35.21	1	37.25	1
NWLSDOS 104	38.36	3	32.18	5	35.27	5
NWLSDOS 105	40.16	1	33.61	2	36.89	2
Mean	38.73		33.57		36.15	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.80	1.09		NS		1.66
1000 grains weight, g						
NWLSDOS 101	38.58	3	34.86	3	36.72	3
NWLSDOS 102	39.73	2	36.58	1	38.16	1
NWLSDOS 103	40.11	1	34.72	4	37.42	2
NWLSDOS 104	38.10	4	35.15	2	36.63	4
NWLSDOS 105	37.22	5	34.26	5	35.74	5
Mean	38.75		35.12		36.93	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.41	0.54		0.77		0.83
Centres: Agra, Delhi, Gurdaspur, Hisar, Ludhiana, Pantnagar and Sriganaganagar						

Table 2.2.1. North Western Plain Zone		IR-LS-DOS-TAS		Agra	2023-24	
Genotype	Date of Sowing		Very Late	Rk	Mean	Rk
	Late	Rk				
Yield, q/ha						
NWLSDOS 101	54.11	3	36.64	4	45.37	4
NWLSDOS 102	55.91	1	41.07	1	48.49	1
NWLSDOS 103	53.72	4	38.13	3	45.93	3
NWLSDOS 104	47.45	5	35.79	5	41.62	5
NWLSDOS 105	54.89	2	39.04	2	46.97	2
MEAN	53.22		38.13		45.67	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.49	2.97	4.13	
Genotype (B)	**		0.84	2.51	4.49	
B within A	N.S.		1.18	3.55		
A within B			1.17	3.49		
Earhead/sq.m.						
NWLSDOS 101	276	4	245	4	260	4
NWLSDOS 102	278	1	253	1	266	1
NWLSDOS 103	277	3	249	3	263	3
NWLSDOS 104	275	5	244	5	259	5
NWLSDOS 105	277	2	251	2	264	2
MEAN	276		248		262	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.64	3.88	0.94	
Genotype (B)	*		1.25	3.76	1.17	
B within A	N.S.		1.77	5.31		
A within B			1.71	5.12		
Grains/earhead						
NWLSDOS 101	49.69	1	40.91	3	45.30	1
NWLSDOS 102	48.48	2	42.05	1	45.27	2
NWLSDOS 103	47.90	4	41.13	2	44.52	3
NWLSDOS 104	44.63	5	40.81	4	42.72	5
NWLSDOS 105	48.20	3	40.71	5	44.46	4
MEAN	47.78		41.12		44.45	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.17	1.01	1.45	
Genotype (B)	*		0.52	1.57	2.88	
B within A	*		0.74	2.22		
A within B			0.68	2.05		
1000 grains weight, g						
NWLSDOS 101	39.50	4	36.50	4	38.00	4
NWLSDOS 102	41.50	1	38.60	1	40.05	1
NWLSDOS 103	40.57	3	37.20	3	38.89	3
NWLSDOS 104	38.75	5	36.00	5	37.38	5
NWLSDOS 105	41.10	2	38.20	2	39.65	2
MEAN	40.28		37.30		38.79	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.24	1.48	2.43	
Genotype (B)	**		0.42	1.26	2.66	
B within A	N.S.		0.59	1.78		
A within B			0.58	1.75		
Date of Sowing:	10.12.2023	05.01.2024	Date of Harvesting:	09.04.2024	20.04.2024	

Table 2.2.2. North Western Plain Zone		IR-LS-DOS-TAS			Delhi	2023-24
Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	40.80	5	33.97	4	37.38	5
NWLSDOS 102	41.55	4	33.76	5	37.65	4
NWLSDOS 103	42.45	3	35.43	2	38.94	3
NWLSDOS 104	43.34	2	35.34	3	39.34	2
NWLSDOS 105	43.38	1	37.83	1	40.60	1
MEAN	42.30		35.27		38.79	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.80	4.88	8.00	
Genotype (B)	N.S.		0.88	2.63	5.55	
B within A	N.S.		1.24	3.72		
A within B			1.37	4.11		
Earhead/sq.m.						
NWLSDOS 101	380	2	368	2	374	2
NWLSDOS 102	359	5	336	5	348	5
NWLSDOS 103	375	3	357	3	366	4
NWLSDOS 104	368	4	388	1	378	1
NWLSDOS 105	386	1	346	4	366	3
MEAN	374		359		366	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		9.85	59.92	10.41	
Genotype (B)	N.S.		11.29	33.84	7.55	
B within A	N.S.		15.96	47.85		
A within B			17.34	51.99		
Grains/earhead						
NWLSDOS 101	26.44	5	23.43	4	24.93	5
NWLSDOS 102	30.14	1	24.86	3	27.50	2
NWLSDOS 103	28.31	4	26.57	2	27.44	3
NWLSDOS 104	30.06	2	23.35	5	26.71	4
NWLSDOS 105	28.39	3	28.55	1	28.47	1
MEAN	28.67		25.35		27.01	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.02	6.19	14.58	
Genotype (B)	N.S.		0.96	2.89	8.75	
B within A	N.S.		1.36	4.09		
A within B			1.59	4.76		
1000 grains weight, g						
NWLSDOS 101	40.75	1	39.44	2	40.09	1
NWLSDOS 102	39.03	5	40.49	1	39.76	2
NWLSDOS 103	40.18	2	37.84	5	39.01	5
NWLSDOS 104	39.45	4	39.07	3	39.26	3
NWLSDOS 105	39.67	3	38.38	4	39.02	4
MEAN	39.81		39.04		39.43	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.82	4.97	8.02	
Genotype (B)	N.S.		0.65	1.96	4.06	
B within A	N.S.		0.92	2.77		
A within B			1.16	3.48		
Date of Sowing:	14.12.2023	4.1.2024	Date of Harvesting:	25.04.2024	30.4.2024	

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

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	27.97	2	25.87	3	26.92	2
NWLSDOS 102	24.16	5	22.02	4	23.19	5
NWLSDOS 103	29.26	1	27.94	1	28.60	1
NWLSDOS 104	27.83	3	20.16	4	24.00	4
NWLSDOS 105	25.18	4	26.45	2	25.82	3
MEAN	26.88		24.49		25.69	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.58	3.51	8.71	
Genotype (B)	**		0.76	2.28	7.24	
B within A	*		1.07	3.22		
A within B			1.12	3.36		
Earhead/sq.m.						
NWLSDOS 101	281	2	259	3	270	2
NWLSDOS 102	250	5	241	4	246	5
NWLSDOS 103	285	1	276	1	280	1
NWLSDOS 104	278	3	229	5	254	4
NWLSDOS 105	264	4	267	2	266	3
MEAN	272		254		263	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		1.56	9.52	2.30	
Genotype (B)	**		2.92	8.75	2.72	
B within A	**		4.13	12.37		
A within B			4.01	12.01		
Grains/earhead						
NWLSDOS 101	23.92	4	26.89	1	25.40	2
NWLSDOS 102	26.62	1	26.18	3	26.40	1
NWLSDOS 103	24.78	3	25.86	4	25.32	3
NWLSDOS 104	25.32	2	24.13	5	24.72	5
NWLSDOS 105	23.29	5	26.68	2	24.99	4
MEAN	24.78		25.95		25.37	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.39	2.35	5.89	
Genotype (B)	N.S.		0.98	2.93	9.44	
B within A	N.S.		1.38	4.15		
A within B			1.30	3.89		
1000 grains weight, g						
NWLSDOS 101	41.50	1	37.37	2	39.43	2
NWLSDOS 102	36.50	5	35.00	5	35.75	5
NWLSDOS 103	41.40	2	39.33	1	40.37	1
NWLSDOS 104	39.67	4	36.50	4	38.08	4
NWLSDOS 105	41.00	3	37.17	3	39.08	3
MEAN	40.01		37.07		38.54	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.16	0.99	1.64	
Genotype (B)	*		0.91	2.72	5.77	
B within A	N.S.		1.28	3.85		
A within B			1.16	3.48		
Date of Sowing:	12.12.2023	5.1.2024	Date of Harvesting:	27.3.2024	10.4.2024	

Table 2.2.4. North Western Plain Zone		IR-LS-DOS-TAS			Gurdaspur	2023-24
Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	53.75	4	48.15	3	50.95	4
NWLSDOS 102	53.02	5	46.28	5	49.65	5
NWLSDOS 103	60.49	1	50.73	1	55.61	1
NWLSDOS 104	54.74	3	47.89	4	51.32	3
NWLSDOS 105	56.98	2	50.42	2	53.70	2
MEAN	55.80		48.69		52.24	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.77	4.71	5.74	
Genotype (B)	N.S.		1.66	4.98	7.79	
B within A	N.S.		2.35	7.04		
A within B			2.24	6.71		
Earhead/sq.m.						
NWLSDOS 101	332	4	290	4	311	4
NWLSDOS 102	334	3	292	2	313	3
NWLSDOS 103	306	5	282	5	294	5
NWLSDOS 104	345	2	292	3	318	2
NWLSDOS 105	390	1	330	1	360	1
MEAN	341		297		319	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		5.47	33.29	6.64	
Genotype (B)	**		7.12	21.34	5.46	
B within A	N.S.		10.07	30.18		
A within B			10.54	31.59		
Grains/earhead						
NWLSDOS 101	41.44	2	42.44	2	41.94	2
NWLSDOS 102	40.44	3	39.87	4	40.16	4
NWLSDOS 103	47.87	1	44.59	1	46.23	1
NWLSDOS 104	39.23	4	41.50	3	40.36	3
NWLSDOS 105	37.35	5	39.38	5	38.37	5
MEAN	41.27		41.56		41.41	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.03	6.29	9.66	
Genotype (B)	N.S.		1.72	5.17	10.20	
B within A	N.S.		2.44	7.31		
A within B			2.41	7.24		
1000 grains weight, g						
NWLSDOS 101	39.07	5	39.19	4	39.13	5
NWLSDOS 102	39.31	3	39.60	3	39.46	3
NWLSDOS 103	41.43	1	40.44	1	40.94	1
NWLSDOS 104	40.66	2	39.95	2	40.30	2
NWLSDOS 105	39.19	4	39.18	5	39.19	4
MEAN	39.93		39.67		39.80	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.52	3.14	5.01	
Genotype (B)	*		0.41	1.22	2.51	
B within A	N.S.		0.58	1.73		
A within B			0.73	2.18		
Date of Sowing:	11.12.2023	2.1.2024	Date of Harvesting:	2.5.2024	14.5.2024	

Table 2.2.5. North Western Plain Zone IR-LS-DOS-TAS Hisar 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	50.83	5	35.71	4	43.27	5
NWLSDOS 102	58.10	1	38.02	2	48.06	2
NWLSDOS 103	57.14	2	39.92	1	48.53	1
NWLSDOS 104	52.78	4	35.16	5	43.97	4
NWLSDOS 105	55.95	3	37.14	3	46.55	3
MEAN	54.96		37.19		46.07	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.52	3.13	4.33	
Genotype (B)	*		1.29	3.86	6.84	
B within A	N.S.		1.82	5.46		
A within B			1.71	5.12		
Earhead/sq.m.						
NWLSDOS 101	372	4	297	5	335	4
NWLSDOS 102	407	1	321	1	364	1
NWLSDOS 103	397	2	312	3	355	3
NWLSDOS 104	364	5	300	4	332	5
NWLSDOS 105	395	3	317	2	356	2
MEAN	387		310		348	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		4.46	27.13	4.96	
Genotype (B)	**		6.28	18.83	4.42	
B within A	N.S.		8.88	26.63		
A within B			9.11	27.31		
Grains/earhead						
NWLSDOS 101	43.80	4	45.41	2	44.60	3
NWLSDOS 102	40.18	5	38.11	5	39.14	5
NWLSDOS 103	44.11	3	45.65	1	44.88	2
NWLSDOS 104	45.76	2	38.94	4	42.35	4
NWLSDOS 105	51.74	1	44.31	3	48.03	1
MEAN	45.12		42.48		43.80	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.48	2.95	4.28	
Genotype (B)	**		1.43	4.30	8.02	
B within A	N.S.		2.03	6.08		
A within B			1.88	5.63		
1000 grains weight, g						
NWLSDOS 101	31.30	4	26.43	4	28.87	4
NWLSDOS 102	35.57	1	31.13	1	33.35	1
NWLSDOS 103	32.70	2	28.10	3	30.40	3
NWLSDOS 104	31.73	3	30.17	2	30.95	2
NWLSDOS 105	27.40	5	26.43	5	26.92	5
MEAN	31.74		28.45		30.10	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.17	1.05	2.23	
Genotype (B)	**		0.42	1.26	3.43	
B within A	**		0.60	1.78		
A within B			0.56	1.68		
Date of Sowing:	16.12.2023	05.01.2024	Date of Harvesting:	24.04.2024	30.04.2024	

Table 2.2.6. North Western Plain Zone IR-LS-DOS-TAS Jammu 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	38.53	1	32.43	1	35.48	1
NWLSDOS 102	36.40	3	28.88	3	32.64	3
NWLSDOS 103	36.14	4	27.58	4	31.86	4
NWLSDOS 104	37.26	2	31.23	2	34.25	2
NWLSDOS 105	34.33	5	26.86	5	30.60	5
MEAN	36.53		29.40		32.97	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.99	6.02	11.63	
Genotype (B)	*		0.95	2.85	7.07	
B within A	N.S.		1.35	4.03		
A within B			1.56	4.67		
Earhead/sq.m.						
NWLSDOS 101	424	2	391	1	407	2
NWLSDOS 102	419	3	379	3	399	3
NWLSDOS 103	410	4	366	4	388	4
NWLSDOS 104	433	1	383	2	408	1
NWLSDOS 105	405	5	353	5	379	5
MEAN	418		374		396	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		1.40	8.50	1.36	
Genotype (B)	*		6.96	20.86	4.30	
B within A	N.S.		9.84	29.51		
A within B			8.91	26.72		
Grains/earhead						
NWLSDOS 101	20.31	1	19.39	1	19.85	1
NWLSDOS 102	19.69	3	17.94	5	18.81	5
NWLSDOS 103	20.13	2	18.33	3	19.23	2
NWLSDOS 104	19.11	5	18.98	2	19.05	3
NWLSDOS 105	19.58	4	18.16	4	18.87	4
MEAN	19.76		18.56		19.16	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.36	2.17	7.20	
Genotype (B)	N.S.		0.63	1.89	8.07	
B within A	N.S.		0.89	2.68		
A within B			0.87	2.62		
1000 grains weight, g						
NWLSDOS 101	44.80	2	42.93	2	43.86	2
NWLSDOS 102	44.19	3	42.55	3	43.37	3
NWLSDOS 103	43.82	4	41.33	5	42.58	5
NWLSDOS 104	44.81	1	42.94	1	43.88	1
NWLSDOS 105	43.34	5	42.01	4	42.68	4
MEAN	44.19		42.35		43.27	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.50	3.05	4.48	
Genotype (B)	N.S.		0.94	2.81	5.31	
B within A	N.S.		1.33	3.98		
A within B			1.29	3.86		
Date of Sowing:	13.12.2023	5.1.2024	Date of Harvesting:	06.05.2024	10.05.2024	

Table 2.2.7. North Western Plain Zone IR-LS-DOS-TAS Karnal 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	35.85	5	33.84	3	34.85	4
NWLSDOS 102	38.51	3	32.68	4	35.59	3
NWLSDOS 103	41.84	2	35.52	1	38.68	2
NWLSDOS 104	36.67	4	27.50	5	32.08	5
NWLSDOS 105	42.60	1	35.14	2	38.87	1
MEAN	39.09		32.94		36.01	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.65	10.01	17.69	
Genotype (B)	*		1.31	3.94	8.93	
B within A	N.S.		1.86	5.57		
A within B			2.34	7.01		
Earhead/sq.m.						
NWLSDOS 101	471	4	410	4	440	4
NWLSDOS 102	508	2	424	3	466	3
NWLSDOS 103	461	5	473	2	467	2
NWLSDOS 104	476	3	390	5	433	5
NWLSDOS 105	533	1	493	1	513	1
MEAN	490		438		464	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		18.73	113.96	15.64	
Genotype (B)	*		16.26	48.75	8.59	
B within A	N.S.		23.00	68.95		
A within B			27.82	83.40		
Grains/earhead						
NWLSDOS 101	22.30	3	22.77	1	22.54	3
NWLSDOS 102	22.13	4	21.86	3	22.00	4
NWLSDOS 103	25.23	2	22.08	2	23.66	1
NWLSDOS 104	20.39	5	19.89	5	20.14	5
NWLSDOS 105	25.60	1	21.04	4	23.32	2
MEAN	23.13		21.53		22.33	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.42	2.55	7.27	
Genotype (B)	N.S.		0.90	2.70	9.88	
B within A	N.S.		1.27	3.82		
A within B			1.21	3.64		
1000 grains weight, g						
NWLSDOS 101	34.33	4	36.05	1	35.19	2
NWLSDOS 102	34.37	3	35.34	3	34.85	4
NWLSDOS 103	36.02	2	34.18	4	35.10	3
NWLSDOS 104	37.85	1	35.76	2	36.81	1
NWLSDOS 105	31.32	5	33.91	5	32.62	5
MEAN	34.78		35.05		34.91	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.51	3.10	5.65	
Genotype (B)	**		0.34	1.02	2.39	
B within A	**		0.48	1.44		
A within B			0.67	2.00		
Date of Sowing:	16.12.2023	04.01.2024	Date of Harvesting:	29.04.2024	29.04.2024	

Table 2.2.8. North Western Plain Zone IR-LS-DOS-TAS Ludhiana 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	52.23	3	20.03	4	36.13	4
NWLSDOS 102	54.08	2	28.36	1	41.22	1
NWLSDOS 103	51.22	4	23.13	2	37.17	3
NWLSDOS 104	43.99	5	14.23	5	29.11	5
NWLSDOS 105	55.45	1	21.79	3	38.62	2
MEAN	51.39		21.51		36.45	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.75	4.55	7.95	
Genotype (B)	**		0.93	2.80	6.27	
B within A	N.S.		1.32	3.95		
A within B			1.40	4.19		
Earhead/sq.m.						
NWLSDOS 101	381	1	285	4	333	4
NWLSDOS 102	371	3	307	2	339	1
NWLSDOS 103	356	5	313	1	334	3
NWLSDOS 104	364	4	269	5	316	5
NWLSDOS 105	379	2	290	3	334	2
MEAN	370		293		331	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		5.98	36.40	6.99	
Genotype (B)	N.S.		8.49	25.45	6.27	
B within A	N.S.		12.00	35.99		
A within B			12.29	36.85		
Grains/earhead						
NWLSDOS 101	38.49	1	21.95	4	30.22	4
NWLSDOS 102	36.97	3	26.78	1	31.88	1
NWLSDOS 103	36.08	4	24.94	2	30.51	3
NWLSDOS 104	35.63	5	15.86	5	25.74	5
NWLSDOS 105	38.48	2	23.51	3	30.99	2
MEAN	37.13		22.61		29.87	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.65	3.96	8.44	
Genotype (B)	N.S.		1.83	5.49	15.02	
B within A	N.S.		2.59	7.77		
A within B			2.41	7.22		
1000 grains weight, g						
NWLSDOS 101	36.18	4	32.73	3	34.45	4
NWLSDOS 102	39.43	2	34.81	1	37.12	1
NWLSDOS 103	40.39	1	29.91	5	35.15	3
NWLSDOS 104	34.20	5	34.00	2	34.10	5
NWLSDOS 105	38.03	3	32.33	4	35.18	2
MEAN	37.65		32.75		35.20	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.39	2.37	4.28	
Genotype (B)	N.S.		1.24	3.72	8.63	
B within A	N.S.		1.75	5.26		
A within B			1.62	4.85		
Date of Sowing:	10.11.2023	07.01.2024	Date of Harvesting:	11.05.2024	11.05.2024	

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

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	48.99	5	39.77	4	44.38	5
NWLSDOS 102	51.06	2	41.15	2	46.10	2
NWLSDOS 103	49.62	4	45.24	1	47.43	1
NWLSDOS 104	52.27	1	37.47	5	44.87	4
NWLSDOS 105	50.62	3	39.81	3	45.22	3
MEAN	50.51		40.69		45.60	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.28	1.72	2.39	
Genotype (B)	N.S.		0.79	2.38	4.26	
B within A	**		1.12	3.37		
A within B			1.04	3.13		
Earhead/sq.m.						
NWLSDOS 101	376	2	464	3	420	3
NWLSDOS 102	424	1	444	4	434	1
NWLSDOS 103	355	4	474	2	415	4
NWLSDOS 104	365	3	333	5	349	5
NWLSDOS 105	349	5	510	1	430	2
MEAN	374		445		409	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		13.62	82.88	12.88	
Genotype (B)	**		11.76	35.25	7.03	
B within A	**		16.63	49.85		
A within B			20.16	60.46		
Grains/earhead						
NWLSDOS 101	29.68	4	27.53	4	28.60	4
NWLSDOS 102	29.18	5	27.78	3	28.48	5
NWLSDOS 103	31.51	3	28.36	2	29.93	3
NWLSDOS 104	34.82	2	32.64	1	33.73	1
NWLSDOS 105	36.83	1	25.22	5	31.03	2
MEAN	32.40		28.31		30.35	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.93	5.68	11.90	
Genotype (B)	*		1.02	3.05	8.20	
B within A	*		1.44	4.31		
A within B			1.59	4.76		
1000 grains weight, g						
NWLSDOS 101	44.11	2	31.25	4	37.68	3
NWLSDOS 102	41.66	3	33.43	3	37.55	4
NWLSDOS 103	44.78	1	33.74	2	39.26	1
NWLSDOS 104	41.36	4	34.66	1	38.01	2
NWLSDOS 105	39.52	5	31.16	5	35.34	5
MEAN	42.29		32.85		37.57	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.37	2.25	3.82	
Genotype (B)	**		0.53	1.59	3.47	
B within A	**		0.75	2.25		
A within B			0.77	2.30		
Date of Sowing:	11.12.2023	04.01.2024	Date of Harvesting:	23.04.2024	29.04.2024	

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

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
NWLSDOS 101	51.90	4	41.33	1	46.62	4
NWLSDOS 102	61.15	2	35.75	3	48.45	3
NWLSDOS 103	57.10	3	40.49	2	48.80	1
NWLSDOS 104	48.29	5	34.13	5	41.21	5
NWLSDOS 105	62.96	1	34.19	4	48.57	2
MEAN	56.28		37.18		46.73	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.18	1.07	1.46	
Genotype (B)	*		1.64	4.92	8.60	
B within A	**		2.32	6.95		
A within B			2.08	6.24		
Earhead/sq.m.						
NWLSDOS 101						
NWLSDOS 102						
NWLSDOS 103						
NWLSDOS 104						
NWLSDOS 105						
MEAN						
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)						
Genotype (B)						
B within A						
A within B						
Grains/earhead						
NWLSDOS 101						
NWLSDOS 102						
NWLSDOS 103						
NWLSDOS 104						
NWLSDOS 105						
MEAN						
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)						
Genotype (B)						
B within A						
A within B						
1000 grains weight, g						
NWLSDOS 101	39.17	4	38.47	1	38.82	2
NWLSDOS 102	41.63	1	38.00	2	39.82	1
NWLSDOS 103	40.73	2	35.83	3	38.28	3
NWLSDOS 104	40.57	3	32.23	5	36.40	4
NWLSDOS 105	35.63	5	34.17	4	34.90	5
MEAN	39.55		35.74		37.64	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.04	0.25	0.41	
Genotype (B)	**		0.11	0.33	0.72	
B within A	**		0.16	0.47		
A within B			0.15	0.44		
Date of Sowing:	10.12.2023	02.01.2024	Date of Harvesting:	24.04.2023	26.04.2024	