

Table 2.7. North Western Plain Zone		IR-SL-LON	Centrewise Yield, q/ha		2023-24
Nitrogen	Genotype	Hisar	Karnal	Zonal mean	
60 kg/ha	RD 2794 (C)	31.08	33.33	32.21	
	RD 2907 (C)	32.63	39.33	35.98	
	NDB 1173 (C)	36.17	38.00	37.09	
	KB 2031	34.35	44.67	39.51	
	Mean	33.56	38.83	36.19	
75 kg/ha	RD 2794 (C)	34.29	29.67	31.98	
	RD 2907 (C)	35.18	33.93	34.56	
	NDB 1173 (C)	37.85	39.83	38.84	
	KB 2031	35.94	34.00	34.97	
	Mean	35.81	34.36	35.09	
90 kg/ha	RD 2794 (C)	36.79	49.00	42.90	
	RD 2907 (C)	36.65	47.00	41.82	
	NDB 1173 (C)	40.08	47.00	43.54	
	KB 2031	37.29	46.00	41.64	
	Mean	37.70	47.25	42.48	
Mean	RD 2794 (C)	34.05	37.33	35.69	
	RD 2907 (C)	34.82	40.09	37.45	
	NDB 1173 (C)	38.03	41.61	39.82	
	KB 2031	35.86	41.56	38.71	
	Mean	35.69	40.15	37.92	
CD (0.05)	Nitrogen (A)	2.97	4.79	1.89	
	Genotype (B)	2.65	5.68	NS	
	B within A	4.60	9.83	NS	
	A within B	4.57	9.25	4.52	
Date of Sowing:		15.11.2023	24.11.2023		
Date of Harvesting:		12.04.2024	27.04.2024		

Table 2.8. North Western Plain Zone **IR-SL-LON** **Pooled** **2023-24**

Genotype	Nitrogen Levels, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
RD 2794 (C)	32.21	4	31.98	4	42.90	2	35.69	4
RD 2907 (C)	35.98	3	34.56	3	41.82	3	37.45	3
NDB 1173 (C)	37.09	2	38.84	1	43.54	1	39.82	1
KB 2031	39.51	1	34.97	2	41.64	4	38.71	2
Mean	36.19		35.09		42.48		37.92	
	Nitrogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	1.89		NS		NS		4.52	
Earhead/sq.m.								
RD 2794 (C)	380.26	4	416.16	2	443.30	1	413.24	3
RD 2907 (C)	395.61	3	415.16	3	433.46	2	414.74	2
NDB 1173 (C)	427.67	1	422.70	1	410.57	4	420.31	1
KB 2031	395.62	2	382.96	4	432.75	3	403.78	4
Mean	399.79		409.24		430.02		413.02	
	Nitrogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	13.89		NS		27.44		29.14	
Grains/earhead								
RD 2794 (C)	20.94	1	18.75	3	20.75	3	20.15	3
RD 2907 (C)	19.90	3	18.26	4	20.92	2	19.69	4
NDB 1173 (C)	19.86	4	22.96	1	24.75	1	22.53	1
KB 2031	20.91	2	19.76	2	20.15	4	20.27	2
Mean	20.40		19.93		21.64		20.66	
	Nitrogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	NS		1.62		NS		NS	
1000 grains weight, g								
RD 2794 (C)	40.79	4	41.19	3	46.37	3	42.78	3
RD 2907 (C)	46.08	2	45.90	2	46.67	2	46.22	2
NDB 1173 (C)	43.99	3	40.37	4	43.27	4	42.54	4
KB 2031	47.51	1	46.78	1	48.18	1	47.49	1
Mean	44.59		43.56		46.12		44.76	
	Nitrogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	NS		1.59		NS		3.05	

Centres: Hisar, Karnal

Table 2.8.1. North Western Plain Zone			IR-SL-LON		Hisar		2023-24	
Genotype	Nitrogen level, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
RD 2794 (C)	31.08	4	34.29	4	36.79	3	34.05	4
RD 2907 (C)	32.63	3	35.18	3	36.65	4	34.82	3
NDB 1173 (C)	36.17	1	37.85	1	40.08	1	38.03	1
KB 2031	34.35	2	35.94	2	37.29	2	35.86	2
Mean	33.56		35.81		37.70		35.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	*		0.76		2.97		7.34	
Genotype (B)	*		0.89		2.65		7.51	
B within A	N.S.		1.55		4.60			
A within B			1.54		4.57			
Earhead/sq.m.								
RD 2794 (C)	371	4	387	4	404	4	387	4
RD 2907 (C)	376	3	401	2	405	3	394	3
NDB 1173 (C)	405	1	428	1	432	1	422	1
KB 2031	384	2	392	3	413	2	396	2
Mean	384		402		414		400	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	*		3.55		13.93		3.07	
Genotype (B)	*		7.79		23.15		5.85	
B within A	N.S.		13.50		40.10			
A within B			12.22		36.30			
Grains/earhead								
RD 2794 (C)	19.88	2	20.60	2	20.87	2	20.45	2
RD 2907 (C)	18.13	4	17.76	4	18.22	4	18.04	4
NDB 1173 (C)	21.87	1	20.98	1	21.77	1	21.54	1
KB 2031	19.41	3	19.44	3	18.29	3	19.04	3
Mean	19.82		19.70		19.79		19.77	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		0.52		2.04		9.09	
Genotype (B)	**		0.47		1.40		7.16	
B within A	N.S.		0.82		2.43			
A within B			0.88		2.61			
1000 grains weight, g								
RD 2794 (C)	42.40	3	43.13	3	43.70	3	43.08	3
RD 2907 (C)	48.00	1	49.27	1	49.73	1	49.00	1
NDB 1173 (C)	40.77	4	42.30	4	42.80	4	41.96	4
KB 2031	46.20	2	47.37	2	49.30	2	47.62	2
Mean	44.34		45.52		46.38		45.41	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	*		0.33		1.31		2.55	
Genotype (B)	**		0.48		1.43		3.18	
B within A	N.S.		0.83		2.48			
A within B			0.80		2.36			
Date of Sowing:	15.11.2023		Date of Harvesting:				12.04.2024	

Table 2.8.2. North Western Plain Zone			IR-SL-LON		Karnal		2023-24	
Genotype	Nitrogen level, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
RD 2794 (C)	33.33	4	29.67	4	49.00	1	37.33	4
RD 2907 (C)	39.33	2	33.93	3	47.00	2	40.09	3
NDB 1173 (C)	38.00	3	39.83	1	47.00	2	41.61	1
KB 2031	44.67	1	34.00	2	46.00	4	41.56	2
Mean	38.83		34.36		47.25		40.15	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	**		1.22		4.79		10.52	
Genotype (B)	N.S.		1.91		5.68		14.28	
B within A	N.S.		3.31		9.83			
A within B			3.11		9.25			
Earhead/sq.m.								
RD 2794 (C)	390	4	446	1	483	1	439	1
RD 2907 (C)	415	2	429	2	462	2	435	2
NDB 1173 (C)	450	1	417	3	389	4	419	3
KB 2031	407	3	374	4	452	3	411	4
Mean	416		416		446		426	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		9.95		39.05		8.09	
Genotype (B)	N.S.		10.69		31.77		7.53	
B within A	*		18.52		55.02			
A within B			18.87		56.07			
Grains/earhead								
RD 2794 (C)	22.01	2	16.90	4	20.63	4	19.85	4
RD 2907 (C)	21.68	3	18.76	3	23.61	2	21.35	3
NDB 1173 (C)	17.85	4	24.94	1	27.74	1	23.51	1
KB 2031	22.41	1	20.08	2	22.01	3	21.50	2
Mean	20.99		20.17		23.50		21.55	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		0.81		3.19		13.05	
Genotype (B)	N.S.		1.27		3.76		17.64	
B within A	N.S.		2.19		6.52			
A within B			2.07		6.14			
1000 grains weight, g								
RD 2794 (C)	39.19	4	39.24	3	49.05	1	42.49	4
RD 2907 (C)	44.16	3	42.53	2	43.60	4	43.43	2
NDB 1173 (C)	47.22	2	38.44	4	43.74	3	43.13	3
KB 2031	48.81	1	46.19	1	47.07	2	47.36	1
Mean	44.85		41.60		45.86		44.10	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		1.22		4.80		9.61	
Genotype (B)	N.S.		1.24		3.69		8.45	
B within A	N.S.		2.15		6.39			
A within B			2.23		6.62			
Date of Sowing:	24.11.2023		Date of Harvesting:			27.04.2024		