

Table 7.11. North Western Plains Zone			IR-SL-LON	Centrewise	2025-26
Nitrogen, kg/ha	Genotype	Durgapura	Hisar	Ludhiana	Zonal mean
60	IR-SL-LON-1	56.83	45.32	16.76	39.64
	IR-SL-LON-2	55.84	41.47	16.93	38.08
	IR-SL-LON-3	58.65	40.60	25.45	41.57
	IR-SL-LON-4	58.82	37.34	30.69	42.28
	IR-SL-LON-5	52.79	42.14	25.65	40.20
	Mean	56.59	41.37	23.10	40.35
75	IR-SL-LON-1	61.89	47.86	22.07	43.94
	IR-SL-LON-2	59.10	43.73	25.99	42.94
	IR-SL-LON-3	62.94	44.37	28.57	45.29
	IR-SL-LON-4	59.39	40.12	38.48	46.00
	IR-SL-LON-5	59.56	44.84	26.27	43.56
	Mean	60.57	44.18	28.28	44.34
90	IR-SL-LON-1	61.98	47.22	23.92	44.37
	IR-SL-LON-2	61.01	41.83	30.87	44.57
	IR-SL-LON-3	67.79	45.39	30.19	47.79
	IR-SL-LON-4	64.19	42.38	39.36	48.64
	IR-SL-LON-5	69.83	41.43	28.80	46.69
	Mean	64.96	43.65	30.63	46.41
Mean	IR-SL-LON-1	60.23	46.80	20.92	42.65
	IR-SL-LON-2	58.65	42.34	24.59	41.86
	IR-SL-LON-3	63.13	43.45	28.07	44.88
	IR-SL-LON-4	60.80	39.95	36.18	45.64
	IR-SL-LON-5	60.73	42.81	26.91	43.48
	Mean	60.71	43.07	27.33	43.70
CD (0.05)	Nitrogen (A)	8.72	1.60	1.63	2.74
	Genotype (B)	5.48	1.69	1.78	1.94
	B within A	9.49	2.93	3.08	NS
	A within B	11.00	2.92	3.05	4.27
Date of Sowing:		10.11.2025	15.11.2025	28.11.2025	
Date of Harvesting:		21.03.2026	04.04.2026	08.05.2026	

Table 7.12. North Western Plain Zone					IR-SL-LON		Pooled	2025-26
Genotype	Nitrogen, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
IR-SL-LON-1	39.64	4	43.94	3	44.37	5	42.65	4
IR-SL-LON-2	38.08	5	42.94	5	44.57	4	41.86	5
IR-SL-LON-3	41.57	2	45.29	2	47.79	2	44.88	2
IR-SL-LON-4	42.28	1	46.00	1	48.64	1	45.64	1
IR-SL-LON-5	40.20	3	43.56	4	46.69	3	43.48	3
Mean	40.35		44.34		46.41		43.70	
	Nirogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	2.74		1.94		NS		4.27	
Earhead/sq.m.								
IR-SL-LON-1	309	5	340	5	358	5	335	5
IR-SL-LON-2	332	2	358	3	384	2	358	3
IR-SL-LON-3	344	1	396	1	409	1	383	1
IR-SL-LON-4	328	3	375	2	383	3	362	2
IR-SL-LON-5	323	4	353	4	368	4	348	4
Mean	327		364		380		357	
	Nirogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	11.21		12.68		NS		25.06	
Grains/earhead								
IR-SL-LON-1	31.58	1	30.14	1	27.98	2	29.90	1
IR-SL-LON-2	27.61	5	27.81	2	27.24	3	27.56	3
IR-SL-LON-3	27.70	4	23.76	5	23.97	5	25.14	5
IR-SL-LON-4	29.02	3	25.62	4	25.79	4	26.81	4
IR-SL-LON-5	30.54	2	27.61	3	29.28	1	29.14	2
Mean	29.29		26.99		26.85		27.71	
	Nirogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	1.50		1.50		NS		3.03	
1000 grains weight, g								
IR-SL-LON-1	38.36	5	42.02	5	44.22	3	41.53	5
IR-SL-LON-2	39.41	4	43.22	4	43.48	5	42.04	4
IR-SL-LON-3	43.63	2	47.94	2	48.47	2	46.68	2
IR-SL-LON-4	44.85	1	48.77	1	49.42	1	47.68	1
IR-SL-LON-5	40.42	3	44.62	3	44.11	4	43.05	3
Mean	41.33		45.31		45.94		44.20	
	Nirogen (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.83		0.89		NS		1.77	
Centres: Durgapura, Hisar, Ludhiana,								

Table 7.12.1 North Western Plains Zone IR-SL-LON Durgapura 2025-26

Genotype	Nitrogen, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
IR-SL-LON-1	56.83	3	61.89	2	61.98	4	60.23	4
IR-SL-LON-2	55.84	4	59.10	5	61.01	5	58.65	5
IR-SL-LON-3	58.65	2	62.94	1	67.79	2	63.13	1
IR-SL-LON-4	58.82	1	59.39	4	64.19	3	60.80	2
IR-SL-LON-5	52.79	5	59.56	3	69.83	1	60.73	3
Mean	56.59		60.57		64.96		60.71	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	N.S.	2.89	8.72	18.46				
Genotype (B)	N.S.	2.26	5.48	11.19				
B within A	N.S.	3.92	9.49					
A within B		4.55	11.00					
Earhead/sq.m.								
IR-SL-LON-1	337	3	365	2	384	1	362	2
IR-SL-LON-2	344	2	352	3	351	4	349	3
IR-SL-LON-3	353	1	372	1	383	2	369	1
IR-SL-LON-4	328	4	337	5	356	3	341	4
IR-SL-LON-5	324	5	346	4	336	5	335	5
Mean	337		354		362		351	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	N.S.	6.4	19.3	7.1				
Genotype (B)	N.S.	11.3	27.3	9.6				
B within A	N.S.	19.6	47.3					
A within B		18.6	45.1					
Grains/earhead								
IR-SL-LON-1	34.75	4	34.17	3	31.32	5	33.41	4
IR-SL-LON-2	37.14	2	37.90	2	38.54	2	37.86	2
IR-SL-LON-3	30.47	5	31.34	5	31.72	4	31.18	5
IR-SL-LON-4	35.24	3	34.04	4	33.52	3	34.27	3
IR-SL-LON-5	37.90	1	38.27	1	45.62	1	40.60	1
Mean	35.10		35.14		36.14		35.46	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	N.S.	1.46	4.39	15.90				
Genotype (B)	**	1.51	3.66	12.81				
B within A	N.S.	2.62	6.35					
A within B		2.76	6.68					
1000 grains weight, g								
IR-SL-LON-1	48.47	3	49.87	3	51.71	3	50.02	3
IR-SL-LON-2	43.89	4	44.73	5	45.33	5	44.65	4
IR-SL-LON-3	54.57	1	54.73	1	55.83	1	55.04	1
IR-SL-LON-4	51.33	2	52.46	2	53.54	2	52.44	2
IR-SL-LON-5	43.24	5	44.84	4	45.49	4	44.52	5
Mean	48.30		49.32		50.38		49.34	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	**	0.19	0.59	1.53				
Genotype (B)	**	0.68	1.63	4.11				
B within A	N.S.	1.17	2.83					
A within B		1.06	2.57					
Date of Sowing:		10.11.2025		Date of Harvesting:		21.03.2026		

Table 7.12.2 North Western Plains Zone IR-SL-LON Hisar 2025-26

Genotype	Nitrogen, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
IR-SL-LON-1	45.32	1	47.86	1	47.22	1	46.80	1
IR-SL-LON-2	41.47	3	43.73	4	41.83	4	42.34	4
IR-SL-LON-3	40.60	4	44.37	3	45.39	2	43.45	2
IR-SL-LON-4	37.34	5	40.12	5	42.38	3	39.95	5
IR-SL-LON-5	42.14	2	44.84	2	41.43	5	42.81	3
Mean	41.37		44.18		43.65		43.07	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	*	0.53	1.60	4.77				
Genotype (B)	**	0.70	1.69	4.87				
B within A	N.S.	1.21	2.93					
A within B		1.21	2.92					
Earhead/sq.m.								
IR-SL-LON-1	358	5	375	5	377	5	370	5
IR-SL-LON-2	410	2	435	2	463	2	436	2
IR-SL-LON-3	422	1	470	1	505	1	466	1
IR-SL-LON-4	383	4	423	3	432	3	413	3
IR-SL-LON-5	385	3	410	4	423	4	406	4
Mean	392		423		440		418	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	*	6	18	6				
Genotype (B)	**	8	18	5				
B within A	N.S.	13	32					
A within B		13	32					
Grains/earhead								
IR-SL-LON-1	38.02	1	36.99	1	35.64	1	36.88	1
IR-SL-LON-2	24.91	3	24.59	3	22.90	3	24.13	3
IR-SL-LON-3	22.82	4	21.76	4	20.95	5	21.84	4
IR-SL-LON-4	21.10	5	20.65	5	21.05	4	20.93	5
IR-SL-LON-5	25.93	2	25.90	2	24.03	2	25.29	2
Mean	26.56		25.98		24.91		25.82	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	N.S.	0.52	1.56	7.78				
Genotype (B)	**	0.59	1.42	6.81				
B within A	N.S.	1.02	2.46					
A within B		1.05	2.53					
1000 grains weight, g								
IR-SL-LON-1	33.28	5	34.52	5	35.29	5	34.36	5
IR-SL-LON-2	40.68	4	40.92	4	39.43	4	40.35	4
IR-SL-LON-3	42.32	3	43.43	2	42.92	2	42.89	2
IR-SL-LON-4	46.22	1	46.18	1	46.71	1	46.37	1
IR-SL-LON-5	42.34	2	42.36	3	40.85	3	41.85	3
Mean	40.97		41.48		41.04		41.16	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	N.S.	0.36	1.07	3.34				
Genotype (B)	**	0.44	1.08	3.24				
B within A	N.S.	0.77	1.86					
A within B		0.77	1.87					
Date of Sowing:		15.11.2025		Date of Harvesting:		04.04.2026		

Table 7.12.3 North Western Plains Zone IR-SL-LON Ludhiana 2025-26

Genotype	Nitrogen, kg/ha						Mean	Rk
	60	Rk	75	Rk	90	Rk		
Yield, q/ha								
IR-SL-LON-1	16.76	5	22.07	5	23.92	5	20.92	5
IR-SL-LON-2	16.93	4	25.99	4	30.87	2	24.59	4
IR-SL-LON-3	25.45	3	28.57	2	30.19	3	28.07	2
IR-SL-LON-4	30.69	1	38.48	1	39.36	1	36.18	1
IR-SL-LON-5	25.65	2	26.27	3	28.80	4	26.91	3
Mean	23.10		28.28		30.63		27.33	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	**	0.54	1.63	7.64				
Genotype (B)	**	0.73	1.78	8.06				
B within A	*	1.27	3.08					
A within B		1.26	3.05					
Earhead/sq.m.								
IR-SL-LON-1	230	5	280	5	312	5	274	5
IR-SL-LON-2	243	4	287	4	337	4	289	4
IR-SL-LON-3	258	3	345	2	340	3	314	2
IR-SL-LON-4	272	1	365	1	360	1	332	1
IR-SL-LON-5	260	2	303	3	345	2	303	3
Mean	253		316		339		302	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	**	8.46	25.50	10.83				
Genotype (B)	**	8.85	21.40	8.77				
B within A	N.S.	15.32	37.07					
A within B		16.10	38.97					
Grains/earhead								
IR-SL-LON-1	21.98	4	19.26	3	16.98	5	19.41	5
IR-SL-LON-2	20.79	5	20.95	2	20.28	2	20.67	4
IR-SL-LON-3	29.81	2	18.19	5	19.23	3	22.41	2
IR-SL-LON-4	30.70	1	22.16	1	22.80	1	25.22	1
IR-SL-LON-5	27.78	3	18.67	4	18.19	4	21.54	3
Mean	26.21		19.85		19.49		21.85	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	**	0.53	1.60	9.40				
Genotype (B)	**	1.03	2.49	14.10				
B within A	N.S.	1.78	4.30					
A within B		1.68	4.06					
1000 grains weight, g								
IR-SL-LON-1	33.33	5	41.67	5	45.67	4	40.22	5
IR-SL-LON-2	33.67	4	44.00	4	45.67	4	41.11	4
IR-SL-LON-3	34.00	3	45.67	3	46.67	2	42.11	3
IR-SL-LON-4	37.00	1	47.67	1	48.00	1	44.22	1
IR-SL-LON-5	35.67	2	46.67	2	46.00	3	42.78	2
Mean	34.73		45.13		46.40		42.09	
	F. Test	SEm	CD (0.05)	CV (%)				
Nitrogen (A)	**	0.81	2.45	7.47				
Genotype (B)	*	0.79	1.91	5.64				
B within A	N.S.	1.37	3.32					
A within B		1.47	3.56					
Date of Sowing:	28.11.2025			Date of Harvesting:	08.05.2026			