

Table 3.5. North Eastern Plain Zone		IR-SL- LON	Centrewise Yield, q/ha	2023-24
Nitrogen Levels	Genotype	Ayodhya	Kanpur	Zonal mean
60 kg/ha	RD 2794 (C)	31.1	26.8	28.95
	RD 2907 (C)	32.45	28.3	30.38
	NDB 1173 (C)	35.07	29.8	32.43
	KB 2031	33.80	32.6	33.20
	Mean	33.10	29.38	31.24
75 kg/ha	RD 2794 (C)	32.87	28.4	30.63
	RD 2907 (C)	34.12	30.8	32.46
	NDB 1173 (C)	37.30	31.2	34.25
	KB 2031	35.75	34.4	35.08
	Mean	35.01	31.2	33.10
90 kg/ha	RD 2794 (C)	34.00	31.2	32.60
	RD 2907 (C)	35.12	32.4	33.76
	NDB 1173 (C)	37.65	33.5	35.58
	KB 2031	35.50	36.5	36.00
	Mean	35.57	33.4	34.48
Mean	RD 2794 (C)	32.66	28.8	30.73
	RD 2907 (C)	33.89	30.5	32.20
	NDB 1173 (C)	36.67	31.5	34.09
	KB 2031	35.02	34.5	34.76
	Mean	34.56	31.33	32.94
CD (0.05)	Nitrogen (A)	0.74	2.60	0.91
	Genotype (B)	1.15	1.10	0.64
	B within A	1.98	1.91	NS
	A within B	1.81	2.57	1.35
Date of Sowing:	13.11.2023	20.12.2023		
Date of Harvesting:	01.03.2024	25.04.2023		

Table 3.6. North Eastern Plain Zone **IR-SL-LON** **Pooled** **2023-24**

Genotype	Nitrogen levels				Mean	Rk
	60 kg/ha	Rk	75 kg/ha	Rk		
	Yield, q/ha					
RD 2794 (C)	28.95	4	30.63	4	30.73	4
RD 2907 (C)	30.38	3	32.46	3	32.20	3
NDB 1173 (C)	32.43	2	34.25	2	34.09	2
KB 2031	33.20	1	35.08	1	34.76	1
Mean	31.24		33.10		32.94	
	Nitrogen (A)	Genotype (B)	B within A	A within B		
CD (0.05)	0.91	0.64	NS	1.35		
	Earhead/sq.m.					
RD 2794 (C)	379	4	380	4	380	4
RD 2907 (C)	382	2	386	2	386	1
NDB 1173 (C)	385	1	380	3	383	3
KB 2031	380	3	389	1	385	2
Mean	382		384		384	
	Nitrogen (A)	Genotype (B)	B within A	A within B		
CD (0.05)	NS	NS	NS	NS		
	Grains/earhead					
RD 2794 (C)	20.43	3	19.37	4	20.13	3
RD 2907 (C)	19.82	4	20.03	3	20.09	4
NDB 1173 (C)	22.31	2	21.57	2	21.80	2
KB 2031	23.60	1	24.01	1	23.52	1
Mean	21.54		21.24		21.39	
	Nitrogen (A)	Genotype (B)	B within A	A within B		
CD (0.05)	NS	0.82	NS	1.59		
	1000 grains weight, g					
RD 2794 (C)	37.43	3	42.38	3	40.66	3
RD 2907 (C)	40.60	1	42.40	2	41.91	1
NDB 1173 (C)	37.68	2	42.62	1	41.29	2
KB 2031	37.08	4	37.67	4	38.47	4
Mean	38.20		41.27		40.58	
	Nitrogen (A)	Genotype (B)	B within A	A within B		
CD (0.05)	0.25	0.24	0.42	0.47		

Centres: Ayodhya, Kanpur

Table 3.6.1. North Eastern Plain Zone			IR-SL-LON		Ayodhya		2023-24	
Genotype	Nitrogen Levels						Mean	Rk
	60 kg/ha	Rk	75 kg/ha	Rk	90 kg/ha	Rk		
Yield, q/ha								
RD 2794 (C)	31.10	4	32.87	4	34.00	4	32.66	4
RD 2907 (C)	32.45	3	34.12	3	35.12	3	33.89	3
NDB 1173 (C)	35.07	1	37.30	1	37.65	1	36.67	1
KB 2031	33.80	2	35.75	2	35.50	2	35.02	2
Mean	33.10		35.01		35.57		34.56	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	**		0.19		0.74		1.90	
Genotype (B)	**		0.39		1.15		3.35	
B within A	N.S.		0.67		1.98			
A within B			0.61		1.81			
Earhead/sq.m.								
RD 2794 (C)	385	4	390	4	390	4	388	4
RD 2907 (C)	388	3	394	3	411	1	398	3
NDB 1173 (C)	398	1	421	1	405	2	408	1
KB 2031	392	2	409	2	403	3	401	2
Mean	391		403		402		399	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		3.33		13.09		2.90	
Genotype (B)	N.S.		4.90		14.54		3.68	
B within A	N.S.		8.48		25.19			
A within B			8.06		23.96			
Grains/earhead								
RD 2794 (C)	22.07	4	22.41	2	23.33	2	22.60	2
RD 2907 (C)	22.62	2	22.26	3	21.89	4	22.26	4
NDB 1173 (C)	22.48	3	22.17	4	23.63	1	22.76	1
KB 2031	22.71	1	22.56	1	22.28	3	22.52	3
Mean	22.47		22.35		22.79		22.54	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		0.21		0.84		3.29	
Genotype (B)	N.S.		0.40		1.18		5.30	
B within A	N.S.		0.69		2.05			
A within B			0.63		1.88			
1000 grains weight, g								
RD 2794 (C)	36.57	4	37.63	4	37.33	4	37.18	4
RD 2907 (C)	37.03	3	38.90	2	39.03	3	38.32	3
NDB 1173 (C)	39.23	1	39.97	1	39.70	1	39.63	1
KB 2031	38.00	2	38.77	3	39.53	2	38.77	2
Mean	37.71		38.82		38.90		38.48	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	*		0.16		0.63		1.43	
Genotype (B)	**		0.09		0.27		0.72	
B within A	**		0.16		0.47			
A within B			0.21		0.63			
Date of Sowing:	13.11.2023		Date of Harvesting:		01.03.2024			

Table 3.6.2. North Eastern Plain Zone **IR-SL-LON** **Kanpur** **2023-24**

Genotype	Nitrogen Levels				90 kg/ha	Rk	Mean	Rk
	60 kg/ha	Rk	75 kg/ha	Rk				
Yield, q/ha								
RD 2794 (C)	26.80	4	28.40	4	31.20	4	28.80	4
RD 2907 (C)	28.30	3	30.80	3	32.40	3	30.50	3
NDB 1173 (C)	29.80	2	31.20	2	33.50	2	31.50	2
KB 2031	32.60	1	34.40	1	36.50	1	34.50	1
Mean	29.38		31.20		33.40		31.33	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	*		0.66		2.60		7.33	
Genotype (B)	**		0.37		1.10		3.55	
B within A	N.S.		0.64		1.91			
A within B			0.87		2.57			
Earhead/sq.m.								
RD 2794 (C)	373	2	369	3	372	1	371	2
RD 2907 (C)	376	1	377	1	369	3	374	1
NDB 1173 (C)	373	3	338	4	364	4	358	4
KB 2031	369	4	370	2	370	2	369	3
Mean	373		364		369		368	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		7.21		28.29		6.78	
Genotype (B)	N.S.		6.35		18.87		5.17	
B within A	N.S.		11.00		32.69			
A within B			11.95		35.50			
Grains/earhead								
RD 2794 (C)	18.79	3	16.32	4	17.86	4	17.66	4
RD 2907 (C)	17.03	4	17.80	3	18.94	3	17.92	3
NDB 1173 (C)	22.14	2	20.96	2	19.42	2	20.84	2
KB 2031	24.48	1	25.46	1	23.61	1	24.52	1
Mean	20.61		20.14		19.96		20.23	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	N.S.		0.65		2.56		11.17	
Genotype (B)	**		0.56		1.66		8.29	
B within A	N.S.		0.97		2.88			
A within B			1.06		3.16			
1000 grains weight, g								
RD 2794 (C)	38.30	2	47.13	1	47.00	2	44.14	2
RD 2907 (C)	44.17	1	45.90	2	46.43	3	45.50	1
NDB 1173 (C)	36.13	4	45.27	3	47.43	1	42.94	3
KB 2031	36.17	3	36.57	4	41.80	4	38.18	4
Mean	38.69		43.72		45.67		42.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Nitrogen (A)	**		0.10		0.40		0.83	
Genotype (B)	**		0.18		0.54		1.28	
B within A	**		0.32		0.94			
A within B			0.29		0.87			
Date of Sowing:	20.12.2023		Date of Harvesting:		10.04.2024			