

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	AVTSAL 2301	31.1	26.8	28.95
	AVTSAL 2302	32.45	28.3	30.38
	AVTSAL 2303	35.07	29.8	32.43
	AVTSAL 2304	33.80	32.6	33.20
	Mean	33.10	29.38	31.24
75 kg/ha	AVTSAL 2301	32.87	28.4	30.63
	AVTSAL 2302	34.12	30.8	32.46
	AVTSAL 2303	37.30	31.2	34.25
	AVTSAL 2304	35.75	34.4	35.08
	Mean	35.01	31.2	33.10
90 kg/ha	AVTSAL 2301	34.00	31.2	32.60
	AVTSAL 2302	35.12	32.4	33.76
	AVTSAL 2303	37.65	33.5	35.58
	AVTSAL 2304	35.50	36.5	36.00
	Mean	35.57	33.4	34.48
Mean	AVTSAL 2301	32.66	28.8	30.73
	AVTSAL 2302	33.89	30.5	32.20
	AVTSAL 2303	36.67	31.5	34.09
	AVTSAL 2304	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					
AVTSAL 2301	28.95	4	30.63	4	30.73	4
AVTSAL 2302	30.38	3	32.46	3	32.20	3
AVTSAL 2303	32.43	2	34.25	2	34.09	2
AVTSAL 2304	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.					
AVTSAL 2301	379	4	380	4	380	4
AVTSAL 2302	382	2	386	2	386	1
AVTSAL 2303	385	1	380	3	383	3
AVTSAL 2304	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					
AVTSAL 2301	20.43	3	19.37	4	20.13	3
AVTSAL 2302	19.82	4	20.03	3	20.09	4
AVTSAL 2303	22.31	2	21.57	2	21.80	2
AVTSAL 2304	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					
AVTSAL 2301	37.43	3	42.38	3	40.66	3
AVTSAL 2302	40.60	1	42.40	2	41.91	1
AVTSAL 2303	37.68	2	42.62	1	41.29	2
AVTSAL 2304	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								
AVTSAL 2301	31.10	4	32.87	4	34.00	4	32.66	4
AVTSAL 2302	32.45	3	34.12	3	35.12	3	33.89	3
AVTSAL 2303	35.07	1	37.30	1	37.65	1	36.67	1
AVTSAL 2304	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.								
AVTSAL 2301	385	4	390	4	390	4	388	4
AVTSAL 2302	388	3	394	3	411	1	398	3
AVTSAL 2303	398	1	421	1	405	2	408	1
AVTSAL 2304	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								
AVTSAL 2301	22.07	4	22.41	2	23.33	2	22.60	2
AVTSAL 2302	22.62	2	22.26	3	21.89	4	22.26	4
AVTSAL 2303	22.48	3	22.17	4	23.63	1	22.76	1
AVTSAL 2304	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								
AVTSAL 2301	36.57	4	37.63	4	37.33	4	37.18	4
AVTSAL 2302	37.03	3	38.90	2	39.03	3	38.32	3
AVTSAL 2303	39.23	1	39.97	1	39.70	1	39.63	1
AVTSAL 2304	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				Mean	Rk		
	60 kg/ha	Rk	75 kg/ha	Rk				
Yield, q/ha								
AVTSAL 2301	26.80	4	28.40	4	31.20	4	28.80	4
AVTSAL 2302	28.30	3	30.80	3	32.40	3	30.50	3
AVTSAL 2303	29.80	2	31.20	2	33.50	2	31.50	2
AVTSAL 2304	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.								
AVTSAL 2301	373	2	369	3	372	1	371	2
AVTSAL 2302	376	1	377	1	369	3	374	1
AVTSAL 2303	373	3	338	4	364	4	358	4
AVTSAL 2304	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								
AVTSAL 2301	18.79	3	16.32	4	17.86	4	17.66	4
AVTSAL 2302	17.03	4	17.80	3	18.94	3	17.92	3
AVTSAL 2303	22.14	2	20.96	2	19.42	2	20.84	2
AVTSAL 2304	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								
AVTSAL 2301	38.30	2	47.13	1	47.00	2	44.14	2
AVTSAL 2302	44.17	1	45.90	2	46.43	3	45.50	1
AVTSAL 2303	36.13	4	45.27	3	47.43	1	42.94	3
AVTSAL 2304	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					