

Table 2.5. North Western Plain Zone		SPL-IR-ES-HYPT	Centrewise Yield, q/ha	2021-22
Nutrient Management	Genotype	Hisar	Karnal	Zonal mean
Rec NPK	DBW370	59.08	63.52	61.30
	DBW187 (c)	59.93	56.14	58.04
	HD3086 (c)	58.88	46.86	52.87
	DBW327 (c)	61.77	61.57	61.67
	DBW332 (c)	56.02	58.98	57.50
	DBW303 (c)	50.54	52.15	51.34
	DBW371	63.16	62.74	62.95
	PBW872	66.05	63.16	64.61
	DBW372	56.77	58.01	57.39
	Mean	59.13	58.13	58.63
150% Rec NPK+FYM+GR	DBW370	65.61	69.73	67.67
	DBW187 (c)	67.76	67.16	67.46
	HD3086 (c)	62.79	63.95	63.37
	DBW327 (c)	64.76	72.12	68.44
	DBW332 (c)	62.31	65.93	64.12
	DBW303 (c)	58.54	62.85	60.70
	DBW371	66.60	68.60	67.60
	PBW872	68.47	73.23	70.85
	DBW372	63.10	67.58	65.34
	Mean	64.44	67.91	66.17
Mean	DBW370	62.35	66.63	64.49
	DBW187 (c)	63.84	61.65	62.75
	HD3086 (c)	60.83	55.40	58.12
	DBW327 (c)	63.27	66.85	65.06
	DBW332 (c)	59.17	62.45	60.81
	DBW303 (c)	54.54	57.50	56.02
	DBW371	64.88	65.67	65.28
	PBW872	67.26	68.19	67.73
	DBW372	59.93	62.80	61.36
	Mean	61.79	63.02	62.40
CD (0.05)	NM (A)	2.16	3.22	1.08
	Genotype(B)	2.76	3.21	2.08
	B within A	NS	NS	NS
	A within B	NS	NS	NS
Date of Sowing:		25.10.2021	31.10.2021	
Date of Harvesting:		10.04.2022	14.04.2022	

Table 2.6. North Western Plain Zone

SPL-IR-ES-HYPT

Pooled

2021-22

Genotype	Nutrient Management (NM)				Mean	Rk
	Rec NPK	Rk	150% Rec NPK+FYM + GR	Rk		
Yield, q/ha						
DBW370	61.30	4	67.67	3	64.49	4
DBW187 (c)	58.04	5	67.46	5	62.75	5
HD3086 (c)	52.87	8	63.37	8	58.12	8
DBW327 (c)	61.67	3	68.44	2	65.06	3
DBW332 (c)	57.50	6	64.12	7	60.81	7
DBW303 (c)	51.34	9	60.70	9	56.02	9
DBW371	62.95	2	67.60	4	65.28	2
PBW872	64.61	1	70.85	1	67.73	1
DBW372	57.39	7	65.34	6	61.36	6
Mean	58.63		66.17		62.40	
CD (0.05)	NM (A) 1.08		Genotype (B) 2.08	B within A NS	A within B NS	
Earhead/sq.m.						
DBW370	399	8	431	7	415	7
DBW187 (c)	455	1	476	1	465	1
HD3086 (c)	435	3	451	4	443	3
DBW327 (c)	412	5	433	5	422	5
DBW332 (c)	383	9	409	9	396	9
DBW303 (c)	403	7	426	8	415	8
DBW371	405	6	431	6	418	6
PBW872	430	4	451	3	440	4
DBW372	437	2	459	2	448	2
Mean	418		441		429	
CD (0.05)	NM (A) 5.93		Genotype (B) 21.03	B within A NS	A within B NS	
1000 grains weight, g						
DBW370	42.18	7	39.74	8	40.96	7
DBW187 (c)	47.79	3	46.16	3	46.97	3
HD3086 (c)	45.40	5	41.58	6	43.49	5
DBW327 (c)	47.51	4	45.55	4	46.53	4
DBW332 (c)	44.38	6	42.30	5	43.34	6
DBW303 (c)	41.76	9	39.84	7	40.80	8
DBW371	49.84	2	47.27	2	48.55	2
PBW872	50.34	1	48.57	1	49.45	1
DBW372	41.82	8	37.23	9	39.52	9
Mean	45.67		43.14		44.40	
CD (0.05)	NM (A) 0.52		Genotype (B) 0.81	B within A 1.15	A within B 1.18	
Grains/earhead						
DBW370	36.57	1	39.73	1	38.15	1
DBW187 (c)	27.16	9	31.39	9	29.28	9
HD3086 (c)	28.10	8	34.61	6	31.36	7
DBW327 (c)	31.81	4	35.15	5	33.48	5
DBW332 (c)	33.92	2	37.23	3	35.58	3
DBW303 (c)	31.39	5	36.33	4	33.86	4
DBW371	31.37	6	33.37	7	32.37	6
PBW872	30.11	7	32.45	8	31.28	8
DBW372	32.44	3	38.85	2	35.65	2
Mean	31.43		35.46		33.44	
CD (0.05)	NM (A) 0.91		Genotype (B) 2.36	B within A NS	A within B NS	
Plant Height, cm						
DBW370	101.95	8	94.48	5	98.21	7
DBW187 (c)	106.31	1	95.20	3	100.75	2
HD3086 (c)	102.11	7	91.75	9	96.93	9
DBW327 (c)	100.88	9	94.93	4	97.90	8
DBW332 (c)	102.99	6	93.67	8	98.33	6
DBW303 (c)	104.00	3	96.41	2	100.21	3
DBW371	106.14	2	98.14	1	102.14	1
PBW872	103.25	5	94.17	6	98.71	5
DBW372	103.71	4	93.72	7	98.71	4
Mean	103.48		94.72		99.10	
CD (0.05)	NM (A) 1.42		Genotype (B) 1.29	B within A 1.82	A within B 2.14	

Centers: Hisar and Karnal

Table 2.6.1		North Western Plain Zone		SPL-IR-ES-HYPT BISA Ladawal 2021-22		
Genotype	Nutrient Management NM)		150% Rec NPK+FYM+GR	Rk	Mean	Rk
	Rec NPK	Rk				
Yield, q/ha						
DBW370	53.84	6	62.47	3	58.15	4
DBW187 (c)	54.95	5	64.47	2	59.71	3
HD3086 (c)	51.20	8	55.47	8	53.34	8
DBW327 (c)	57.36	3	65.03	1	61.20	1
DBW332 (c)	57.78	2	61.77	4	59.74	2
DBW303 (c)	52.50	7	58.94	5	55.72	7
DBW371	57.05	4	57.72	6	57.39	5
PBW872	58.81	1	55.86	7	57.33	6
DBW372	50.32	9	55.11	9	52.71	9
Mean	54.87		59.64		57.25	
F. Test			SEm	CD (0.05)	CV (%)	
NM (A)	*		0.73	3.02	6.63	
Genotype(B)	*		1.78	4.27	7.63	
B within A	N.S.		2.52	6.04		
A within B			2.49	5.96		
Earhead/sq.m.						
DBW370	255	9	295	5	275	5
DBW187 (c)	284	3	335	2	309	3
HD3086 (c)	297	2	341	1	319	2
DBW327 (c)	259	7	289	6	274	6
DBW332 (c)	260	6	284	7	272	8
DBW303 (c)	269	4	278	8	273	7
DBW371	259	7	278	8	268	9
PBW872	267	5	298	4	282	4
DBW372	327	1	335	2	331	1
Mean	275		303		289	
F. Test			SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		12.28	50.71	22.05	
Genotype(B)	**		9.86	23.63	8.35	
B within A	N.S.		13.95	33.41		
A within B			17.99	43.10		
1000 grains weight, g						
DBW370	47.63	5	37.60	9	42.62	7
DBW187 (c)	50.00	2	41.41	5	45.70	4
HD3086 (c)	46.77	6	38.83	8	42.80	6
DBW327 (c)	52.33	1	46.33	2	49.33	2
DBW332 (c)	45.53	7	42.30	4	43.92	5
DBW303 (c)	42.30	8	41.33	6	41.82	8
DBW371	48.43	4	45.27	3	46.85	3
PBW872	49.67	3	51.00	1	50.33	1
DBW372	39.50	9	40.43	7	39.97	9
Mean	46.91		42.72		44.82	
F. Test			SEm	CD (0.05)	CV (%)	
NM (A)	*		0.57	2.34	6.56	
Genotype(B)	**		0.37	0.90	2.05	
B within A	**		0.53	1.27		
A within B			0.75	1.81		

Grains/earhead						
DBW370	44.38	5	56.68	1	50.53	2
DBW187 (c)	38.84	8	46.87	5	42.85	6
HD3086 (c)	36.86	9	42.33	7	39.60	9
DBW327 (c)	42.51	6	48.95	4	45.73	4
DBW332 (c)	48.90	1	52.48	2	50.69	1
DBW303 (c)	46.31	2	51.34	3	48.82	3
DBW371	45.57	3	45.84	6	45.70	5
PBW872	44.52	4	37.27	9	40.90	7
DBW372	39.14	7	40.69	8	39.91	8
Mean	43.00		46.94		44.97	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		1.45	5.98	16.72	
Genotype(B)	**		1.89	4.54	10.32	
B within A	N.S.		2.68	6.42		
A within B			2.91	6.97		
Plant Height, cm						
DBW370	97.33	8	99.77	2	98.55	7
DBW187 (c)	109.93	1	98.83	4	104.38	1
HD3086 (c)	99.73	7	89.90	9	94.82	8
DBW327 (c)	104.03	5	95.83	6	99.93	5
DBW332 (c)	106.37	2	100.93	1	103.65	2
DBW303 (c)	105.53	4	97.00	5	101.27	4
DBW371	106.00	3	99.53	3	102.77	3
PBW872	103.27	6	95.63	7	99.45	6
DBW372	91.87	9	93.57	8	92.72	9
Mean	102.67		96.78		99.73	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		1.13	4.65	5.87	
Genotype(B)	**		1.24	2.96	3.04	
B within A	**		1.75	4.19		
A within B			2.00	4.78		
Date of Sowing:	29.10.2021		Date of Harvesting:	08.04.2022	10.04.2022	

Table 2.6.2 North Western Plain Zone SPL-IR-ES-HYPT Delhi 2021-22

Genotype	Nutrient Management NM)		Yield, q/ha		Mean	Rk
	Rec NPK	Rk	150% Rec NPK+FYM+GR	Rk		
DBW370	56.28	9	58.14	9	57.21	9
DBW187 (c)	59.01	5	60.11	5	59.56	5
HD3086 (c)	57.05	8	58.77	8	57.91	8
DBW327 (c)	59.40	2	60.96	2	60.18	2
DBW332 (c)	59.35	3	60.42	4	59.88	4
DBW303 (c)	57.78	6	59.10	6	58.44	6
DBW371	60.33	1	62.72	1	61.02	1
PBW872	59.26	4	60.69	3	59.97	3
DBW372	57.43	7	58.81	7	58.12	7
Mean	58.46		59.86		59.14	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.26	1.09	2.32	
Genotype(B)	**		0.13	0.31	0.53	
B within A	N.S.		0.18	0.44		
A within B			0.31	0.75		

Not included in pooled due to low mean yield

Earhead/sq.m.						
DBW370	414	9	557	6	486	7
DBW187 (c)	436	8	531	8	484	8
HD3086 (c)	593	3	620	1	606	1
DBW327 (c)	611	1	562	5	587	3
DBW332 (c)	601	2	555	7	578	4
DBW303 (c)	483	6	571	3	527	6
DBW371	587	4	567	4	577	5
PBW872	569	5	617	2	593	2
DBW372	438	7	493	9	465	9
Mean	526		564		545	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		23.15	95.62	22.09	
Genotype(B)	**		22.44	53.75	10.09	
B within A	N.S.		31.73	76.01		
A within B			37.83	90.63		
1000 grains weight, g						
DBW370	37.12	8	38.56	8	37.84	8
DBW187 (c)	41.62	1	42.72	1	42.17	1
HD3086 (c)	39.45	3	40.94	3	40.20	3
DBW327 (c)	40.38	2	40.97	2	40.67	2
DBW332 (c)	37.97	5	38.92	4	38.44	5
DBW303 (c)	37.39	7	38.83	6	38.11	6
DBW371	38.09	4	38.91	5	38.50	4
PBW872	37.47	6	38.72	7	38.10	7
DBW372	36.70	9	37.71	9	37.21	9
Mean	38.47		39.59		39.03	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.13	0.54	1.75	
Genotype(B)	**		0.17	0.42	1.09	
B within A	N.S.		0.25	0.59		
A within B			0.27	0.64		
Grains/earhead						
DBW370	36.69	1	27.33	5	32.01	2
DBW187 (c)	32.55	3	26.63	7	29.59	3
HD3086 (c)	24.44	8	23.31	9	23.87	9
DBW327 (c)	24.09	9	28.29	4	26.19	8
DBW332 (c)	26.00	7	29.53	2	27.77	6
DBW303 (c)	31.99	4	26.86	6	29.43	4
DBW371	27.02	6	28.78	3	27.90	5
PBW872	27.82	5	25.46	8	26.64	7
DBW372	35.76	2	31.66	1	33.71	1
Mean	29.60		27.54		28.57	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		1.43	5.90	25.98	
Genotype(B)	**		1.37	3.29	11.79	
B within A	*		1.94	4.66		
A within B			2.32	5.57		

Plant Height, cm						
DBW370	91.17	5	93.67	6	92.42	6
DBW187 (c)	101.00	1	104.00	1	102.50	1
HD3086 (c)	90.13	8	93.00	7	91.57	8
DBW327 (c)	91.67	4	95.33	4	93.50	4
DBW332 (c)	90.67	7	93.00	7	91.83	7
DBW303 (c)	82.00	9	85.67	9	83.83	9
DBW371	98.33	2	100.67	2	99.50	2
PBW872	91.00	6	94.33	5	92.67	5
DBW372	94.33	3	97.33	3	95.83	3
Mean	92.26		95.22		93.74	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	**		0.05	0.23	0.30	
Genotype(B)	**		0.31	0.74	0.81	
B within A	N.S.		0.44	1.05		
A within B			0.42	1.00		
Date of Sowing:	28.10.2021		Date of Harvesting:	20.03.2022		

Table 2.6.3 North Western Plain Zone SPL-IR-ES-HYPT Gurdaspur 2021-22

Genotype	Nutrient Management NM)		150% Rec NPK+FYM+GR		Mean	Rk
	Rec NPK	Rk	Rk			
Yield, q/ha						
DBW370	61.98	2	48.57	8	55.28	6
DBW187 (c)	48.11	8	45.59	9	46.85	9
HD3086 (c)	49.31	7	60.76	4	55.03	7
DBW327 (c)	47.91	9	66.62	1	57.26	3
DBW332 (c)	57.71	3	57.6	7	57.16	4
DBW303 (c)	56.17	4	58.10	5	57.13	5
DBW371	52.23	6	57.16	6	54.69	8
PBW872	62.24	1	63.13	3	62.69	1
DBW372	59.36	5	64.70	2	59.55	2
Mean	54.45		57.91		56.18	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.49	2.00	4.49	
Genotype(B)	**		1.08	2.58	4.69	
B within A	**		1.52	3.65		
A within B			1.51	3.63		
Earhead/sq.m.						
DBW370	324	8	362	4	343	8
DBW187 (c)	350	5	338	9	344	7
HD3086 (c)	352	4	350	8	351	5
DBW327 (c)	352	3	359	6	355	3
DBW332 (c)	336	6	358	7	347	6
DBW303 (c)	332	7	375	3	353	4
DBW371	323	9	359	5	341	9
PBW872	384	1	382	2	383	1
DBW372	358	2	392	1	375	2
Mean	346		364		355	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		2.17	8.96	3.18	
Genotype(B)	*		9.68	23.20	6.69	
B within A	N.S.		13.69	32.80		
A within B			13.09	31.36		

1000 grains weight, g						
DBW370	50.37	1	36.83	9	43.60	4
DBW187 (c)	39.29	7	38.80	8	39.04	8
HD3086 (c)	29.75	9	39.28	7	34.52	9
DBW327 (c)	40.84	6	52.41	1	46.63	1
DBW332 (c)	45.64	2	43.58	3	44.61	3
DBW303 (c)	42.28	5	40.13	6	41.21	6
DBW371	43.55	4	41.38	5	42.47	5
PBW872	44.23	3	46.23	2	45.23	2
DBW372	37.62	8	42.01	4	39.81	7
Mean	41.51		42.30		41.90	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.28	1.16	3.48	
Genotype(B)	**		0.76	1.81	4.42	
B within A	**		1.07	2.56		
A within B			1.05	2.51		
Grains/earhead						
DBW370	38.01	5	36.51	6	37.26	6
DBW187 (c)	35.19	8	34.83	9	35.01	8
HD3086 (c)	47.19	1	44.23	1	45.71	1
DBW327 (c)	33.39	9	35.52	8	34.46	9
DBW332 (c)	38.17	4	36.53	5	37.35	5
DBW303 (c)	40.40	2	38.79	3	39.59	3
DBW371	37.43	6	38.59	4	38.01	4
PBW872	36.65	7	35.82	7	36.24	7
DBW372	40.29	3	39.38	2	39.84	2
Mean	38.52		37.80		38.16	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.13	0.55	1.82	
Genotype(B)	**		1.20	2.87	7.69	
B within A	N.S.		1.70	4.06		
A within B			1.60	3.84		
Plant Height, cm						
DBW370	86.93	7	91.07	1	89.00	3
DBW187 (c)	88.60	4	84.47	8	86.53	7
HD3086 (c)	86.67	8	82.87	9	84.77	9
DBW327 (c)	85.87	9	85.53	7	85.70	8
DBW332 (c)	88.53	6	88.13	4	88.33	5
DBW303 (c)	91.60	3	86.27	6	88.93	4
DBW371	95.53	1	89.80	3	92.67	2
PBW872	88.60	4	87.70	5	88.15	6
DBW372	95.27	2	90.93	2	93.10	1
Mean	89.73		87.42		88.58	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.42	1.73	2.45	
Genotype(B)	**		0.79	1.89	2.19	
B within A	**		1.12	2.68		
A within B			1.13	2.72		
Date of Sowing:	25.10.2021		Date of Harvesting:	14.04.2022		

Table 2.6.4	North Western Plain Zone		SPL-IR-ES-HYPT	Hisar	2021-22	
Genotype	Nutrient Management NM)				Mean	Rk
	100% Rec NPK	Rk	150% Rec NPK+FYM+GR	Rk		
Yield, q/ha						
DBW370	59.08	5	65.61	4	62.35	5
DBW187 (c)	59.93	4	67.76	2	63.84	3
HD3086 (c)	58.88	6	62.79	7	60.83	6
DBW327 (c)	61.77	3	64.76	5	63.27	4
DBW332 (c)	56.02	8	62.31	8	59.17	8
DBW303 (c)	50.54	9	58.54	9	54.54	9
DBW371	63.16	2	66.60	3	64.88	2
PBW872	66.05	1	68.47	1	67.26	1
DBW372	56.77	7	63.10	6	59.93	7
Mean	59.13		64.44		61.79	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.52	2.16	4.41	
Genotype(B)	**		1.15	2.76	4.57	
B within A	N.S.		1.63	3.91		
A within B			1.63	3.89		
Earhead/sq.m.						
DBW370	381	6	410	5	396	6
DBW187 (c)	411	3	422	3	417	3
HD3086 (c)	377	7	405	7	391	7
DBW327 (c)	402	4	413	4	408	4
DBW332 (c)	367	8	397	8	382	8
DBW303 (c)	358	9	381	9	370	9
DBW371	420	2	432	2	426	2
PBW872	423	1	434	1	429	1
DBW372	382	5	410	5	396	5
Mean	391		412		401	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		3.28	13.54	4.24	
Genotype(B)	*		13.11	31.42	8.00	
B within A	N.S.		18.55	44.43		
A within B			17.79	42.62		
1000 grains weight, g						
DBW370	41.29	7	39.52	7	40.41	7
DBW187 (c)	46.61	3	45.21	3	45.91	3
HD3086 (c)	43.92	5	40.09	6	42.00	6
DBW327 (c)	44.50	4	41.61	4	43.05	4
DBW332 (c)	43.28	6	41.48	5	42.38	5
DBW303 (c)	38.65	9	38.33	8	38.49	8
DBW371	48.73	1	46.91	2	47.82	2
PBW872	48.66	2	47.05	1	47.85	1
DBW372	39.26	8	35.29	9	37.28	9
Mean	43.88		41.72		42.80	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.20	0.83	2.45	
Genotype(B)	**		0.54	1.29	3.08	
B within A	N.S.		0.76	1.82		
A within B			0.75	1.79		

Grains/earhead						
DBW370	37.69	2	40.85	2	39.27	2
DBW187 (c)	31.31	8	35.66	7	33.49	7
HD3086 (c)	35.90	4	39.29	4	37.60	4
DBW327 (c)	34.63	6	38.10	5	36.36	6
DBW332 (c)	35.34	5	38.04	6	36.69	5
DBW303 (c)	36.71	3	40.34	3	38.52	3
DBW371	30.96	9	33.01	9	31.99	9
PBW872	32.35	7	33.59	8	32.97	8
DBW372	38.20	1	43.70	1	40.95	1
Mean	34.79		38.06		36.43	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.59	2.43	8.39	
Genotype(B)	*		1.77	4.23	11.89	
B within A	N.S.		2.50	5.99		
A within B			2.43	5.82		
Plant Height, cm						
DBW370	101.67	8	95.00	9	98.33	9
DBW187 (c)	108.00	1	99.67	3	103.83	1
HD3086 (c)	104.33	4	99.33	4	101.83	4
DBW327 (c)	101.00	9	98.33	8	99.67	8
DBW332 (c)	105.00	3	100.67	1	102.83	3
DBW303 (c)	103.33	6	98.67	7	101.00	6
DBW371	106.33	2	100.00	2	103.17	2
PBW872	103.67	5	99.00	5	101.33	5
DBW372	102.67	7	99.00	5	100.83	7
Mean	104.00		98.85		101.43	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.54	2.23	2.77	
Genotype(B)	**		0.79	1.89	1.91	
B within A	N.S.		1.12	2.67		
A within B			1.18	2.83		
Date of Sowing:	25.10.2021		Date of Harvesting:		10.04.2022	

Table 2.6.5	North Western Plain Zone		SPL-IR-ES-HYPT		Karnal	2021-22
Genotype	Nutrient Management NM)				Mean	Rk
	100% Rec NPK	Rk	150% Rec NPK+FYM+GR	Rk		
Yield, q/ha						
DBW370	63.52	1	69.73	3	66.63	3
DBW187 (c)	56.14	7	67.16	6	61.65	7
HD3086 (c)	46.86	9	63.95	8	55.40	9
DBW327 (c)	61.57	4	72.12	2	66.85	2
DBW332 (c)	58.98	5	65.93	7	62.45	6
DBW303 (c)	52.15	8	62.85	9	57.50	8
DBW371	62.74	3	68.60	4	65.67	4
PBW872	63.16	2	73.23	1	68.19	1
DBW372	58.01	6	67.58	5	62.80	5
Mean	58.13		67.91		63.02	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.78	3.22	6.43	
Genotype(B)	**		1.34	3.21	5.20	
B within A	N.S.		1.89	4.53		
A within B			1.95	4.67		

Earhead/sq.m.						
DBW370	416	7	452	7	434	7
DBW187 (c)	498	1	531	1	514	1
HD3086 (c)	493	2	497	3	495	3
DBW327 (c)	421	6	453	6	437	6
DBW332 (c)	400	8	421	9	410	9
DBW303 (c)	448	4	471	4	460	4
DBW371	391	9	430	8	411	8
PBW872	436	5	468	5	452	5
DBW372	491	3	509	2	500	2
Mean	444		470		457	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		7.97	32.90	9.06	
Genotype(B)	**		12.07	28.92	6.47	
B within A	N.S.		17.07	40.90		
A within B			17.96	43.03		
1000 grains weight, g						
DBW370	43.06	9	39.96	8	41.51	9
DBW187 (c)	48.97	4	47.11	4	48.04	4
HD3086 (c)	46.87	5	43.08	6	44.98	5
DBW327 (c)	50.52	3	49.49	2	50.01	2
DBW332 (c)	45.48	6	43.11	5	44.30	6
DBW303 (c)	44.86	7	41.34	7	43.10	7
DBW371	50.94	2	47.63	3	49.29	3
PBW872	52.02	1	50.09	1	51.06	1
DBW372	44.38	8	39.16	9	41.77	8
Mean	47.46		44.55		46.00	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	**		0.11	0.45	1.22	
Genotype(B)	**		0.43	1.03	2.28	
B within A	N.S.		0.61	1.45		
A within B			0.58	1.39		
Grains/earhead						
DBW370	35.46	1	38.61	1	37.03	1
DBW187 (c)	23.02	8	27.11	9	25.07	9
HD3086 (c)	20.30	9	29.93	8	25.12	8
DBW327 (c)	29.00	4	32.21	6	30.60	4
DBW332 (c)	32.51	2	36.42	2	34.46	2
DBW303 (c)	26.07	7	32.31	5	29.19	7
DBW371	31.77	3	33.74	4	32.75	3
PBW872	27.87	5	31.30	7	29.59	6
DBW372	26.69	6	34.00	3	30.35	5
Mean	28.08		32.85		30.46	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.64	2.64	10.92	
Genotype(B)	**		0.94	2.26	7.57	
B within A	N.S.		1.33	3.19		
A within B			1.41	3.38		

Plant Height, cm						
DBW370	102.22	6	93.96	3	98.09	3
DBW187 (c)	104.62	4	90.73	5	97.67	4
HD3086 (c)	99.89	9	84.16	9	92.03	9
DBW327 (c)	100.77	8	91.52	4	96.14	6
DBW332 (c)	100.99	7	86.66	8	93.83	8
DBW303 (c)	104.67	3	94.15	2	99.41	2
DBW371	105.94	1	96.28	1	101.11	1
PBW872	102.84	5	89.35	6	96.09	7
DBW372	104.76	2	88.43	7	96.60	5
Mean	102.97		90.58		96.77	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	**		0.77	3.19	4.15	
Genotype(B)	**		0.75	1.80	1.90	
B within A	**		1.06	2.55		
A within B			1.27	3.03		
Date of Sowing:	31.10.2021		Date of Harvesting:		14.04.2022	

Table 2.6.6 North Western Plain Zone SPL-IR-ES-HYPT Ludhiana 2021-22

Genotype	Nutrient Management NM)		150% Rec NPK+FYM+GR	Rk	Mean	Rk
	100% Rec NPK	Rk				
Yield, q/ha						
DBW370	54.17	8	60.81	7	57.49	8
DBW187 (c)	63.67	1	67.47	1	65.57	1
HD3086 (c)	52.17	9	57.28	9	54.73	9
DBW327 (c)	56.83	5	60.90	6	58.86	6
DBW332 (c)	59.94	2	63.96	2	61.95	2
DBW303 (c)	57.20	4	61.26	5	59.23	5
DBW371	58.20	3	63.42	3	60.81	3
PBW872	56.82	7	62.25	4	59.53	4
DBW372	56.81	6	60.39	8	58.60	7
Mean	57.31		61.97		59.64	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.71	2.92	6.16	
Genotype(B)	**		0.80	1.91	3.27	
B within A	N.S.		1.13	2.70		
A within B			1.28	3.06		
Earhead/sq.m.						
DBW370	289	5	315	4	302	4
DBW187 (c)	306	2	323	3	314	2
HD3086 (c)	314	1	341	1	328	1
DBW327 (c)	295	4	306	5	301	5
DBW332 (c)	289	5	291	9	290	8
DBW303 (c)	278	9	299	7	289	9
DBW371	296	3	299	8	297	6
PBW872	289	5	325	2	307	3
DBW372	281	8	300	6	290	7
Mean	293		311		302	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		1.95	8.03	3.35	
Genotype(B)	N.S.		9.10	21.80	7.38	
B within A	N.S.		12.87	30.83		
A within B			12.29	29.44		

1000 grains weight, g

DBW370	40.70	6	42.04	6	41.37	5
DBW187 (c)	42.00	3	48.49	3	45.25	3
HD3086 (c)	37.93	8	38.50	9	38.22	9
DBW327 (c)	47.26	2	49.56	2	48.41	2
DBW332 (c)	38.03	7	41.42	7	39.73	8
DBW303 (c)	36.66	9	44.49	4	40.58	7
DBW371	41.91	4	42.52	5	42.22	4
PBW872	47.81	1	51.33	1	49.57	1
DBW372	40.97	5	41.22	8	41.09	6
Mean	41.48		44.40		42.94	

	F. Test		SEm	CD (0.05)	CV (%)
NM (A)	N.S.		0.80	3.32	9.74
Genotype(B)	**		0.98	2.36	5.62
B within A	N.S.		1.39	3.34	
A within B			1.54	3.69	

Grains/earhead

DBW370	46.29	6	46.23	4	46.26	6
DBW187 (c)	49.68	3	43.19	7	46.44	5
HD3086 (c)	44.14	7	43.83	6	43.99	7
DBW327 (c)	40.90	9	40.19	8	40.54	8
DBW332 (c)	54.92	2	53.19	1	54.06	1
DBW303 (c)	56.33	1	46.09	5	51.21	2
DBW371	47.07	5	51.57	2	49.32	4
PBW872	41.16	8	37.79	9	39.47	9
DBW372	49.54	4	49.36	3	49.45	3
Mean	47.78		45.72		46.75	

	F. Test		SEm	CD (0.05)	CV (%)
NM (A)	*		0.21	0.86	2.31
Genotype(B)	**		2.04	4.88	10.68
B within A	N.S.		2.88	6.90	
A within B			2.73	6.53	

Plant Height, cm

DBW370	73.00	9	71.33	7	72.17	9
DBW187 (c)	80.33	4	72.33	4	76.33	4
HD3086 (c)	76.67	7	71.33	7	74.00	7
DBW327 (c)	78.00	6	72.00	5	75.00	6
DBW332 (c)	81.33	3	73.67	1	77.50	3
DBW303 (c)	82.00	2	73.67	1	77.83	2
DBW371	85.00	1	73.00	3	79.00	1
PBW872	79.00	5	71.67	6	75.33	5
DBW372	75.33	8	70.33	9	72.83	8
Mean	78.96		72.15		75.56	

	F. Test		SEm	CD (0.05)	CV (%)
NM (A)	*		0.93	3.86	6.43
Genotype(B)	**		1.09	2.61	3.53
B within A	N.S.		1.54	3.69	
A within B			1.73	4.13	

Date of Sowing:	25.10.2021	Date of Harvesting:	05.04.2022
-----------------	------------	---------------------	------------

Table 2.6.7	North Western Plain Zone		SPL-IR-ES-HYPT		Pantnagar	2021-22
Genotype	Nutrient Management (NM)				Mean	Rk
	100% Rec NPK	Rk	150% Rec NPK+FYM+GR	Rk		
Yield, q/ha						
DBW370	66.15	1	67.29	2	66.72	1
DBW187 (c)	48.24	9	52.50	8	50.37	8
HD3086 (c)	51.14	8	46.64	8	48.89	9
DBW327 (c)	58.36	3	42.58	9	50.47	7
DBW332 (c)	56.52	5	57.42	1	61.97	4
DBW303 (c)	52.58	7	60.35	6	56.46	6
DBW371	60.54	2	66.80	4	63.67	2
PBW872	58.24	4	66.83	3	62.53	3
DBW372	55.03	6	64.32	5	58.67	5
Mean	56.09		59.41		57.75	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.46	1.90	4.14	
Genotype(B)	**		1.87	4.47	7.92	
B within A	**		2.64	6.33		
A within B			2.53	6.07		
Earhead/sq.m.						
DBW370	343	9	422	5	382	7
DBW187 (c)	378	3	392	8	385	6
HD3086 (c)	470	1	478	1	474	1
DBW327 (c)	350	7	398	7	374	9
DBW332 (c)	359	6	398	6	379	8
DBW303 (c)	406	2	383	9	394	5
DBW371	363	5	428	4	395	3
PBW872	374	4	447	2	410	2
DBW372	343	8	447	2	395	4
Mean	376		421		399	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		4.55	18.78	5.93	
Genotype(B)	*		18.66	44.69	11.46	
B within A	N.S.		26.38	63.21		
A within B			25.29	60.58		
1000 grains weight, g						
DBW370	42.95	8	44.56	7	43.75	7
DBW187 (c)	47.75	5	45.43	5	46.59	5
HD3086 (c)	43.12	7	43.07	8	43.10	8
DBW327 (c)	54.45	1	50.69	3	52.57	3
DBW332 (c)	45.75	6	44.63	6	45.19	6
DBW303 (c)	41.19	9	42.78	9	41.99	9
DBW371	53.16	2	52.17	2	52.67	2
PBW872	51.66	3	54.64	1	53.15	1
DBW372	49.41	4	48.29	4	48.85	4
Mean	47.72		47.36		47.54	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.75	3.10	8.21	
Genotype(B)	**		1.29	3.09	6.64	
B within A	N.S.		1.82	4.36		
A within B			1.87	4.49		

Grains/earhead						
DBW370	45.63	1	35.92	3	40.77	1
DBW187 (c)	27.45	8	29.76	6	28.60	7
HD3086 (c)	25.39	9	22.62	8	24.00	9
DBW327 (c)	30.75	7	21.38	9	26.06	8
DBW332 (c)	34.54	2	38.27	1	36.40	2
DBW303 (c)	31.83	4	36.94	2	34.39	3
DBW371	31.76	5	30.14	4	30.95	5
PBW872	31.53	6	27.48	7	29.51	6
DBW372	32.82	3	30.05	5	31.44	4
Mean	32.41		30.29		31.35	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	N.S.		0.65	2.68	10.75	
Genotype(B)	**		2.25	5.38	17.55	
B within A	N.S.		3.18	7.61		
A within B			3.06	7.34		
Plant Height, cm						
DBW370	102.20	1	95.07	1	98.63	1
DBW187 (c)	98.53	5	87.67	7	93.10	6
HD3086 (c)	93.07	9	86.00	8	89.53	9
DBW327 (c)	98.87	4	90.20	3	94.53	3
DBW332 (c)	95.73	6	88.67	6	92.20	8
DBW303 (c)	101.93	2	89.20	5	95.57	2
DBW371	95.67	7	89.80	4	92.73	7
PBW872	95.07	8	92.27	2	93.67	4
DBW372	101.07	3	85.40	9	93.23	5
Mean	98.01		89.36		93.69	
	F. Test		SEm	CD (0.05)	CV (%)	
NM (A)	*		0.83	3.43	4.60	
Genotype(B)	N.S.		1.73	4.15	4.53	
B within A	N.S.		2.45	5.86		
A within B			2.45	5.88		
Date of Sowing:	26.10.2021		Date of Harvesting:	04.04.2022		