

Genotype	SPL-IR-ES-HYPT			Centrewise			Yield, q/ha			2020-21		
	Gwalior			BISA Jabalpur			Zonal Mean					
	Nutrient management			Nutrient management			Nutrient management					
	Rec.NPK	150%+FYM+GR	Mean	Rec.NPK	150%+FYM+GR	Mean	Rec.NPK	150%+FYM+GR	Mean			
DBW327*	60.74	63.5	62.12	71.65	63.39	67.52	66.19	63.44	64.82			
DBW328*	57.62	59.42	58.52	61.78	70.99	66.38	59.7	65.2	62.45			
DBW332*	51.7	56.46	54.08	60.84	70.79	65.82	56.27	63.63	59.95			
DBW333*	57.96	60.72	59.34	67.43	72.22	69.83	62.7	66.47	64.58			
WH1252*	54.8	58.29	56.54	58.99	71.66	65.33	56.89	64.98	60.93			
PBW873	56.31	57.23	56.77	63.1	58.61	60.86	59.71	57.92	58.81			
PBW872	55.63	56.29	55.96	65.18	72.35	68.76	60.41	64.32	62.36			
PBW874	53.84	56.7	55.27	51.8	59.61	55.71	52.82	58.16	55.49			
HD3410	58.13	60.54	59.33	62.33	61.68	62.01	60.23	61.11	60.67			
DBW370	56.31	59.35	57.83	70.03	74.07	72.05	63.17	66.71	64.94			
DBW372	58.49	58.73	58.61	59.49	77.17	68.33	58.99	67.95	63.47			
DBW371	53.26	58.63	55.94	66.04	71.93	68.99	59.65	65.28	62.46			
DBW187(I) (C)	54.49	58.35	56.42	65.18	60.76	62.97	59.83	59.56	59.69			
WH1270(I) (C)	58.58	61.62	60.1	55.69	61.61	58.65	57.14	61.62	59.38			
HD3086 (C)	56.66	61.23	58.94	56.4	73.37	64.89	56.53	67.3	61.92			
DBW303(I) (C)	55.92	56.87	56.4	60.69	70.54	65.62	58.31	63.71	61.01			
Mean	56.28	58.99	57.64	62.29	68.17	65.23	59.28	63.58	61.43			
		CD (0.05)			CD (0.05)			CD (0.05)				
Nutrients (A)		0.59			NS			1.20				
Genotype (B)		1.88			NS			2.57				
B within A		NS			NS			NS				
A within B		NS			NS			NS				
Date of Sowing:		06.11.2020			06.11.2020							
Date of Harvesting:		06.04.2021			05.04.2021							

Table 4.6. Central Zone

Genotypes	SPL-IR-ES-HYPT				Pooled Mean	2020-21 Rk
	Nutrient management					
	Rec.NPK	Rk	150% NPK + FYM+GR	Rk		
<b>Yield, q/ha</b>						
DBW327*	66.19	1	63.44	11	64.82	2
DBW328*	59.70	8	65.20	6	62.45	6
DBW332*	56.27	15	63.63	10	59.95	12
DBW333*	62.70	3	66.47	4	64.58	3
WH1252*	56.89	13	64.98	7	60.93	10
PBW873	59.71	7	57.92	16	58.81	15
PBW872	60.41	4	64.32	8	62.36	7
PBW874	52.82	16	58.16	15	55.49	16
HD3410	60.23	5	61.11	13	60.67	11
DBW370	63.17	2	66.71	3	64.94	1
DBW372	58.99	10	67.95	1	63.47	4
DBW371	59.65	9	65.28	5	62.46	5
DBW187(I) (C)	59.83	6	59.56	14	59.69	13
WH1270(I) (C)	57.14	12	61.62	12	59.38	14
HD3086 (C)	56.53	14	67.30	2	61.92	8
DBW303(I) (C)	58.31	11	63.71	9	61.01	9
Mean	59.28		63.58		61.43	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	2.06		3.87	NS		NS
<b>Earhead/sq.m.</b>						
DBW327*	317	2	334	4	325	2
DBW328*	292	8	310	11	301	10
DBW332*	276	12	300	13	288	13
DBW333*	291	10	315	9	303	9
WH1252*	261	15	334	5	297	12
PBW873	302	3	329	6	316	5
PBW872	253	16	276	16	264	16
PBW874	300	4	337	3	318	4
HD3410	319	1	352	1	335	1
DBW370	291	9	324	7	307	6
DBW372	297	5	314	10	306	7
DBW371	267	14	296	15	282	15
DBW187(I) (C)	295	7	305	12	300	11
WH1270(I) (C)	296	6	346	2	321	3
HD3086 (C)	288	11	323	8	306	7
DBW303(I) (C)	275	13	299	14	287	14
Mean	289		318		303	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	12.36		16.01	NS		NS

Grains/Earhead						
DBW327*	42.26	13	39.87	15	41.07	15
DBW328*	42.03	14	43.48	10	42.75	11
DBW332*	45.05	6	47.29	5	46.17	5
DBW333*	44.72	8	42.90	11	43.81	9
WH1252*	48.71	1	44.51	8	46.61	3
PBW873	46.31	4	40.10	14	43.20	10
PBW872	44.93	7	48.16	2	46.55	4
PBW874	41.83	15	41.26	13	41.54	14
HD3410	42.75	10	41.42	12	42.08	13
DBW370	48.23	3	48.06	3	48.15	2
DBW372	42.38	11	47.83	4	45.10	7
DBW371	45.56	5	46.01	6	45.78	6
DBW187(I) (C)	40.53	16	43.78	9	42.15	12
WH1270(I) (C)	42.36	12	37.48	16	39.92	16
HD3086 (C)	43.73	9	45.76	7	44.74	8
DBW303(I) (C)	48.66	2	49.71	1	49.19	1
Mean	44.38		44.23		44.30	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	NS		3.36	NS		NS
1000 grains weight, g						
DBW327*	54.27	1	50.08	5	52.18	1
DBW328*	51.40	4	50.34	3	50.87	5
DBW332*	47.66	9	46.70	10	47.18	9
DBW333*	51.54	3	50.89	1	51.21	3
WH1252*	46.29	12	45.08	12	45.69	12
PBW873	44.87	15	45.20	11	45.03	14
PBW872	53.79	2	50.21	4	52.00	2
PBW874	43.79	16	43.10	15	43.44	16
HD3410	45.68	14	42.95	16	44.31	15
DBW370	46.85	11	44.00	14	45.43	13
DBW372	48.10	8	47.63	8	47.86	8
DBW371	51.22	6	50.82	2	51.02	4
DBW187(I) (C)	51.39	5	47.27	9	49.33	6
WH1270(I) (C)	49.38	7	48.52	6	48.95	7
HD3086 (C)	45.74	13	47.78	7	46.76	10
DBW303(I) (C)	46.96	10	44.75	13	45.86	11
Mean	48.68		47.21		47.94	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	0.93		1.52	NS		NS
Biomass, q/ha						

DBW327*	133.20	2	124.11	10	128.65	2
DBW328*	128.38	4	122.44	13	125.41	6
DBW332*	113.69	11	120.15	16	116.92	15
DBW333*	115.12	10	122.11	15	118.62	13
WH1252*	122.30	6	132.93	4	127.61	3
PBW873	125.30	5	122.35	14	123.82	8
PBW872	113.29	12	132.63	5	122.96	10
PBW874	103.63	16	135.29	2	119.46	11
HD3410	121.86	7	125.65	9	123.75	9
DBW370	140.48	1	134.61	3	137.55	1
DBW372	104.42	15	132.60	6	118.51	14
DBW371	115.63	8	122.49	12	119.06	12
DBW187(I) (C)	131.03	3	123.26	11	127.14	5
WH1270(I) (C)	106.56	14	126.28	8	116.42	16
HD3086 (C)	112.96	13	141.97	1	127.46	4
DBW303(I) (C)	115.33	9	132.45	7	123.89	7
Mean	118.95		128.21		123.58	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	NS		NS	16.09		18.13
			Plant height, cm			
DBW327*	93.70	12	85.12	12	89.41	12
DBW328*	97.03	1	89.15	5	93.09	2
DBW332*	92.82	14	87.07	9	89.94	10
DBW333*	95.03	7	89.32	3	92.18	5
WH1252*	95.53	4	89.45	2	92.49	4
PBW873	95.85	3	90.60	1	93.23	1
PBW872	92.23	15	81.78	16	87.01	16
PBW874	90.08	16	85.92	10	88.00	15
HD3410	95.07	6	85.30	11	90.18	9
DBW370	94.07	11	87.97	8	91.02	7
DBW372	95.35	5	83.30	14	89.33	13
DBW371	94.88	8	84.70	13	89.79	11
DBW187(I) (C)	96.80	2	88.48	6	92.64	3
WH1270(I) (C)	94.13	10	89.32	3	91.73	6
HD3086 (C)	93.55	13	88.18	7	90.87	8
DBW303(I) (C)	94.85	9	83.08	15	88.97	14
Mean	94.44		86.80		90.62	
	Nutrients (A)		Genotypes (B)	B within A		A within B
CD (0.05)	2.25		2.32	NS		NS
Centres : Gwalior, Jabalpur						

Table 4.6.1.	Central Zone		SPL-IR-ES-HYPT		Gwalior	2020-21
	Nutrient Management					
	Genotypes	NPK	Rk	150% NPK + FYM+GR		
<b>Yield,q/ha</b>						
PBW873	56.31	9	57.23	12	56.77	9
DBW187(I) (C)	54.49	13	58.35	10	56.42	11
PBW872	55.63	11	56.29	16	55.96	13
PBW874	53.84	14	56.70	14	55.27	15
HD3410	58.13	4	60.54	5	59.33	4
DBW370	56.31	8	59.35	7	57.83	8
DBW327*	60.74	1	63.50	1	62.12	1
WH1270(I) (C)	58.58	2	61.62	2	60.10	2
HD3086 (C)	56.66	7	61.23	3	58.94	5
WH1252*	54.80	12	58.29	11	56.54	10
DBW328*	57.62	6	59.42	6	58.52	7
DBW372	58.49	3	58.73	8	58.61	6
DBW333*	57.96	5	60.72	4	59.34	3
DBW303(I) (C)	55.92	10	56.87	13	56.40	12
DBW371	53.26	15	58.63	9	55.94	14
DBW332*	51.70	16	56.46	15	54.08	16
Mean	56.28		58.99		57.64	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	**	0.10	0.59	1.16		
Genotypes (B)	**	0.66	1.88	2.82		
B within A	N.S.	0.94	2.65			
A within B		0.91	2.59			
<b>Earhead/sqm</b>						
PBW873	374	4	380	6	377	4
DBW187(I) (C)	338	11	370	11	354	10
PBW872	276	16	321	16	298	16
PBW874	364	6	384	5	374	5
HD3410	382	3	405	2	393	3
DBW370	347	8	366	12	357	9
DBW327*	409	1	414	1	412	1
WH1270(I) (C)	390	2	400	3	395	2
HD3086 (C)	319	14	387	4	353	11
WH1252*	311	15	378	7	344	14
DBW328*	363	7	371	10	367	7
DBW372	345	9	375	8	360	8
DBW333*	366	5	372	9	369	6
DBW303(I) (C)	336	12	356	14	346	12
DBW371	322	13	366	13	344	15
DBW332*	340	10	351	15	345	13
Mean	349		375		362	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	*	3.97	24.17	7.61		
Genotypes (B)	**	7.49	21.19	5.07		
B within A	N.S.	10.60	29.97			
A within B		11.00	31.11			

<b>Grains/earhead</b>						
PBW873	38.33	8	37.35	11	37.84	10
DBW187(I) (C)	35.40	12	40.44	5	37.92	9
PBW872	40.92	3	39.01	8	39.96	6
PBW874	40.06	4	41.78	4	40.92	5
HD3410	38.22	9	40.03	6	39.12	7
DBW370	39.44	7	43.26	2	41.35	4
DBW327*	29.49	16	32.86	16	31.17	16
WH1270(I) (C)	33.70	15	34.81	15	34.26	15
HD3086 (C)	44.92	2	38.88	9	41.90	3
WH1252*	45.40	1	42.82	3	44.11	1
DBW328*	35.02	13	36.17	13	35.60	13
DBW372	39.62	6	38.49	10	39.06	8
DBW333*	34.08	14	37.10	12	35.59	14
DBW303(I) (C)	39.75	5	44.85	1	42.30	2
DBW371	36.36	10	35.88	14	36.12	12
DBW332*	35.95	11	39.44	7	37.69	11
Mean	37.92		38.95		38.43	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.68	4.14		12.27	
Genotypes (B)	**	1.06	3.00		6.75	
B within A	N.S.	1.50	4.24			
A within B		1.60	4.53			
<b>1000 grains weight, g</b>						
PBW873	39.26	14	41.19	7	40.23	10
DBW187(I) (C)	45.64	4	39.40	11	42.52	7
PBW872	49.51	2	45.14	2	47.33	2
PBW874	36.91	16	35.46	16	36.18	16
HD3410	39.89	12	37.50	12	38.69	14
DBW370	41.10	11	37.47	13	39.29	12
DBW327*	50.41	1	46.69	1	48.55	1
WH1270(I) (C)	44.56	7	44.30	6	44.43	6
HD3086 (C)	39.55	13	40.83	9	40.19	11
WH1252*	38.91	15	36.17	14	37.54	15
DBW328*	45.34	6	44.34	4	44.84	5
DBW372	42.99	8	40.72	10	41.86	8
DBW333*	46.48	3	44.31	5	45.40	3
DBW303(I) (C)	42.05	10	35.70	15	38.88	13
DBW371	45.63	5	44.84	3	45.24	4
DBW332*	42.51	9	41.00	8	41.76	9
Mean	43.17		40.94		42.06	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.39	2.40		6.49	
Genotypes (B)	**	0.60	1.70		3.50	
B within A	**	0.85	2.40			
A within B		0.91	2.58			

<b>Biomass, q/ha</b>						
PBW873	79.59	9	80.70	12	80.15	9
DBW187(I) (C)	77.38	12	82.86	10	80.12	10
PBW872	78.25	11	79.26	16	78.76	14
PBW874	76.27	14	79.57	15	77.92	15
HD3410	83.71	4	85.96	5	84.84	3
DBW370	79.97	8	84.88	6	82.42	8
DBW327*	87.07	1	91.22	1	89.14	1
WH1270(I) (C)	83.78	3	87.90	2	85.84	2
HD3086 (C)	80.26	7	86.93	3	83.60	5
WH1252*	77.26	13	82.19	11	79.73	11
DBW328*	81.43	6	84.21	7	82.82	7
DBW372	83.84	2	83.20	9	83.52	6
DBW333*	81.91	5	86.22	4	84.07	4
DBW303(I) (C)	78.65	10	80.56	13	79.61	12
DBW371	74.92	15	83.65	8	79.28	13
DBW332*	72.72	16	79.63	14	76.18	16
Mean	79.81		83.68		81.75	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	**	0.08	0.50	0.70		
Genotypes (B)	**	1.06	3.00	3.18		
B within A	N.S.	1.50	4.24			
A within B		1.45	4.11			
<b>Plant height, cm</b>						
PBW873	96.40	6	88.67	1	92.53	2
DBW187(I) (C)	97.70	2	83.40	10	90.55	5
PBW872	95.80	9	77.67	16	86.73	14
PBW874	90.40	16	82.07	11	86.23	16
HD3410	95.47	10	85.60	5	90.53	6
DBW370	94.60	12	84.20	7	89.40	8
DBW327*	94.33	13	78.40	14	86.37	15
WH1270(I) (C)	95.07	11	86.93	2	91.00	4
HD3086 (C)	94.00	15	83.60	9	88.80	11
WH1252*	96.93	5	85.67	4	91.30	3
DBW328*	98.90	1	86.40	3	92.65	1
DBW372	97.13	4	79.80	13	88.47	12
DBW333*	96.07	8	85.00	6	90.53	6
DBW303(I) (C)	96.33	7	77.93	15	87.13	13
DBW371	97.60	3	81.07	12	89.33	9
DBW332*	94.07	14	83.73	8	88.90	10
Mean	95.68		83.13		89.40	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	*	1.34	8.16	10.39		
Genotypes (B)	N.S.	1.50	4.23	4.10		
B within A	N.S.	2.12	5.99			
A within B		2.45	6.93			
Date of Sowing	06.11.2020					
Date of Harvesting	06.04.2021					

Table 4.6.2. Central Zone		SPL-IR-ES-HYPT		Jabalpur	2020-21	
Genotypes	Nutrient Management			Rk	Mean	Rk
	NPK	Rk	150% NPK + FYM+GR			
<b>Yield, q/ha</b>						
PBW873	63.10	7	58.61	16	60.86	14
DBW187(I) (C)	65.18	6	60.76	14	62.97	12
PBW872	65.18	5	72.35	4	68.76	4
PBW874	51.80	16	59.61	15	55.71	16
HD3410	62.33	8	61.68	12	62.01	13
DBW370	70.03	2	74.07	2	72.05	1
DBW327*	71.65	1	63.39	11	67.52	6
WH1270(I) (C)	55.69	15	61.61	13	58.65	15
HD3086 (C)	56.40	14	73.37	3	64.89	11
WH1252*	58.99	13	71.66	7	65.33	10
DBW328*	61.78	9	70.99	8	66.38	7
DBW372	59.49	12	77.17	1	68.33	5
DBW333*	67.43	3	72.22	5	69.83	2
DBW303(I) (C)	60.69	11	70.54	10	65.62	9
DBW371	66.04	4	71.93	6	68.99	3
DBW332*	60.84	10	70.79	9	65.82	8
Mean	62.29		68.17		65.23	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	N.S.	1.36	1.36	14.48		
Genotypes (B)	N.S.	3.23	3.23	12.14		
B within A	N.S.	4.57	4.57			
A within B		4.63	4.63			
<b>Earhead/sqm</b>						
PBW873	230	7	278	6	254	5
DBW187(I) (C)	253	3	239	14	246	9
PBW872	230	8	231	15	230	14
PBW874	236	5	289	3	263	2
HD3410	255	2	299	1	277	1
DBW370	234	6	282	5	258	4
DBW327*	225	9	253	9	239	10
WH1270(I) (C)	202	16	292	2	247	8
HD3086 (C)	257	1	259	7	258	3
WH1252*	212	15	289	4	250	7
DBW328*	220	10	250	12	235	12
DBW372	249	4	253	10	251	6
DBW333*	215	11	257	8	236	11
DBW303(I) (C)	214	12	241	13	228	15
DBW371	212	14	226	16	219	16
DBW332*	213	13	250	11	232	13
Mean	229		262		245	
	F. Test	SEm	CD (0.05)	CV (%)		
NM (A)	N.S.	7.17	43.65	20.27		
Genotypes (B)	N.S.	11.42	32.30	11.41		
B within A	N.S.	16.15	45.67			
A within B		17.20	48.66			



<b>Grains/earhead</b>						
PBW873	54.28	6	42.86	13	48.57	11
DBW187(I) (C)	45.66	13	47.12	10	46.39	13
PBW872	48.95	11	57.31	1	53.13	5
PBW874	43.60	15	40.73	15	42.17	16
HD3410	47.28	12	42.81	14	45.04	15
DBW370	57.02	2	52.87	6	54.94	3
DBW327*	55.04	4	46.88	11	50.96	8
WH1270(I) (C)	51.02	9	40.15	16	45.59	14
HD3086 (C)	42.54	16	52.64	7	47.59	12
WH1252*	52.02	8	46.21	12	49.11	10
DBW328*	49.03	10	50.79	8	49.91	9
DBW372	45.13	14	57.17	2	51.15	7
DBW333*	55.37	3	48.70	9	52.03	6
DBW303(I) (C)	57.57	1	54.57	5	56.07	1
DBW371	54.75	5	56.15	3	55.45	2
DBW332*	54.15	7	55.14	4	54.65	4
Mean	50.84		49.51		50.17	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	1.75	10.64		24.15	
Genotypes (B)	*	2.67	7.54		13.02	
B within A	N.S.	3.77	10.67			
A within B		4.05	11.45			
<b>1000 grains weight, g</b>						
PBW873	50.47	16	49.20	15	49.83	16
DBW187(I) (C)	57.13	4	55.13	5	56.13	5
PBW872	58.07	2	55.27	4	56.67	4
PBW874	50.67	15	50.73	13	50.70	14
HD3410	51.47	14	48.40	16	49.93	15
DBW370	52.60	11	50.53	14	51.57	13
DBW327*	58.13	1	53.47	10	55.80	6
WH1270(I) (C)	54.20	7	52.73	11	53.47	9
HD3086 (C)	51.93	12	54.73	6	53.33	10
WH1252*	53.67	8	54.00	8	53.83	8
DBW328*	57.47	3	56.33	3	56.90	2
DBW372	53.20	9	54.53	7	53.87	7
DBW333*	56.60	6	57.47	1	57.03	1
DBW303(I) (C)	51.87	13	53.80	9	52.83	11
DBW371	56.80	5	56.80	2	56.80	3
DBW332*	52.80	10	52.40	12	52.60	12
Mean	54.19		53.47		53.83	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.48	2.89		6.12	
Genotypes (B)	**	1.15	3.26		5.24	
B within A	N.S.	1.63	4.61			
A within B		1.65	4.66			

<b>Biomass, q/ha</b>						
PBW873	171.00	5	164.00	10	167.50	8
DBW187(I) (C)	184.67	2	163.67	11	174.17	3
PBW872	148.33	11	186.00	3	167.17	9
PBW874	131.00	14	191.00	2	161.00	11
HD3410	160.00	7	165.33	8	162.67	10
DBW370	201.00	1	184.33	4	192.67	1
DBW327*	179.33	3	157.00	16	168.17	5
WH1270(I) (C)	129.33	15	164.67	9	147.00	16
HD3086 (C)	145.67	13	197.00	1	171.33	4
WH1252*	167.33	6	183.67	6	175.50	2
DBW328*	175.33	4	160.67	13	168.00	7
DBW372	125.00	16	182.00	7	153.50	14
DBW333*	148.33	11	158.00	15	153.17	15
DBW303(I) (C)	152.00	10	184.33	4	168.17	5
DBW371	156.33	8	161.33	12	158.83	12
DBW332*	154.67	9	160.67	13	157.67	13
Mean	158.08		172.73		165.41	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	6.88	41.85		28.80	
Genotypes (B)	N.S.	9.65	27.28		14.28	
B within A	N.S.	13.64	38.58			
A within B		14.89	42.12			
<b>Plant height, cm</b>						
PBW873	95.30	2	92.53	5	93.92	2
DBW187(I) (C)	95.90	1	93.57	2	94.73	1
PBW872	88.67	16	85.90	15	87.28	16
PBW874	89.77	15	89.77	11	89.77	15
HD3410	94.67	4	85.00	16	89.83	14
DBW370	93.53	8	91.73	8	92.63	7
DBW327*	93.07	12	91.83	7	92.45	9
WH1270(I) (C)	93.20	10	91.70	9	92.45	8
HD3086 (C)	93.10	11	92.77	4	92.93	6
WH1252*	94.13	5	93.23	3	93.68	4
DBW328*	95.17	3	91.90	6	93.53	5
DBW372	93.57	7	86.80	14	90.18	13
DBW333*	94.00	6	93.63	1	93.82	3
DBW303(I) (C)	93.37	9	88.23	13	90.80	11
DBW371	92.17	13	88.33	12	90.25	12
DBW332*	91.57	14	90.40	10	90.98	10
Mean	93.20		90.46		91.83	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.66	3.99		4.95	
Genotypes (B)	*	1.29	3.64		3.44	
B within A	N.S.	1.82	5.15			
A within B		1.88	5.32			
Date of Sowing			06.11.2020			
Date of Harvesting			05.04.2021			

Table 4.6.3.	Central Zone		SPL-IR-ES-HYPT		Udaipur		2020-21	
	Nutrient Management		150% NPK + FYM+GR					
Genotypes	NPK	Rk			Rk	Mean	Rk	
<b>Yield, q/ha</b>								
PBW873	41.04	15	53.41		12	47.23	13	
DBW187(I) (C)	47.63	11	57.22		4	52.43	8	
PBW872	52.84	1	54.94		6	53.89	3	
PBW874	44.91	12	42.81		16	43.86	16	
HD3410	51.88	3	56.17		5	54.03	2	
DBW370	52.39	2	53.69		11	53.04	6	
DBW327*	50.80	4	51.51		14	51.15	11	
WH1270(I) (C)	41.51	14	50.39		15	45.95	15	
HD3086 (C)	48.86	7	54.33		9	51.60	9	
WH1252*	50.42	6	54.50		7	52.46	7	
DBW328*	44.37	13	53.38		13	48.88	12	
DBW372	50.46	5	57.29		3	53.87	4	
DBW333*	48.31	9	54.09		10	51.20	10	
DBW303(I) (C)	48.45	8	57.77		2	53.11	5	
DBW371	48.28	10	63.78		1	56.03	1	
DBW332*	39.95	16	54.47		8	47.21	14	
Mean	47.63		54.36			51.00		
	F. Test	SEm	CD (0.05)		CV (%)			
NM (A)	*	0.78	4.76		10.62			
Genotypes (B)	*	2.14	6.05		10.28			
B within A	N.S.	3.03	8.56					
A within B		3.03	8.58					
<b>Earhead/sqm</b>								
PBW873	419.17	1	372.50		11	395.83	2	
DBW187(I) (C)	400.83	3	356.67		13	378.75	7	
PBW872	415.00	2	393.33		2	404.17	1	
PBW874	370.83	12	386.67		4	378.75	7	
HD3410	389.17	6	380.00		8	384.58	4	
DBW370	363.33	13	340.83		16	352.08	15	
DBW327*	390.00	5	345.83		14	367.92	14	
WH1270(I) (C)	398.33	4	376.67		9	387.50	3	
HD3086 (C)	389.17	6	365.00		12	377.08	11	
WH1252*	380.00	8	373.33		10	376.67	12	
DBW328*	361.67	14	382.50		6	372.08	13	
DBW372	377.50	9	385.83		5	381.67	6	
DBW333*	347.50	16	344.17		15	345.83	16	
DBW303(I) (C)	373.33	10	382.50		6	377.92	10	
DBW371	361.67	14	394.17		1	377.92	9	
DBW332*	371.67	11	392.50		3	382.08	5	
Mean	381.82		373.28			377.55		
	F. Test	SEm	CD (0.05)		CV (%)			
NM (A)	N.S.	4.74	28.85		8.70			
Genotypes (B)	*	9.46	26.75		6.14			
B within A	N.S.	13.37	37.83					
A within B		13.79	39.00					

<b>Grains/earhead</b>						
PBW873	22.01	16	35.25	7	28.63	11
DBW187(I) (C)	26.36	11	36.42	6	31.39	6
PBW872	24.98	12	27.36	15	26.17	15
PBW874	28.51	6	25.57	16	27.04	13
HD3410	29.02	5	37.34	3	33.18	4
DBW370	32.65	1	38.11	2	35.38	1
DBW327*	26.87	9	30.93	12	28.90	10
WH1270(I) (C)	22.98	15	29.27	13	26.13	16
HD3086 (C)	26.44	10	34.52	8	30.48	9
WH1252*	27.37	7	40.29	1	33.83	3
DBW328*	24.60	13	28.58	14	26.59	14
DBW372	29.28	3	32.85	10	31.06	7
DBW333*	29.13	4	36.98	5	33.05	5
DBW303(I) (C)	31.06	2	37.15	4	34.10	2
DBW371	27.31	8	33.90	9	30.60	8
DBW332*	24.44	14	31.74	11	28.09	12
Mean	27.06		33.52		30.29	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	*	0.77	4.69		17.64	
Genotypes (B)	**	1.57	4.44		12.69	
B within A	N.S.	2.22	6.28			
A within B		2.28	6.46			
<b>1000 grains weight, g</b>						
PBW873	44.74	12	40.81	14	42.77	14
DBW187(I) (C)	45.74	11	44.01	7	44.87	9
PBW872	50.98	1	51.04	1	51.01	1
PBW874	42.57	15	43.52	9	43.05	11
HD3410	45.98	9	39.59	15	42.79	13
DBW370	44.59	13	41.41	12	43.00	12
DBW327*	48.71	5	48.14	3	48.43	4
WH1270(I) (C)	46.03	8	45.59	5	45.81	5
HD3086 (C)	47.87	7	43.25	10	45.56	7
WH1252*	49.00	4	36.42	16	42.71	15
DBW328*	50.18	2	48.89	2	49.53	2
DBW372	45.91	10	45.26	6	45.59	6
DBW333*	48.03	6	42.58	11	45.31	8
DBW303(I) (C)	41.83	16	41.21	13	41.52	16
DBW371	49.14	3	47.82	4	48.48	3
DBW332*	44.37	14	43.79	8	44.08	10
Mean	46.61		43.96		45.28	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	*	0.20	1.20		3.01	
Genotypes (B)	**	0.45	1.28		2.46	
B within A	**	0.64	1.82			
A within B		0.65	1.85			

Biomass, q/ha						
PBW873	98.60	14	127.50	4	113.05	9
DBW187(I) (C)	108.80	8	105.40	16	107.10	15
PBW872	113.90	5	117.30	11	115.60	6
PBW874	115.60	4	142.80	1	129.20	2
HD3410	119.34	2	139.40	2	129.37	1
DBW370	122.40	1	120.70	8	121.55	3
DBW327*	108.80	8	113.90	14	111.35	10
WH1270(I) (C)	98.60	14	120.70	8	109.65	13
HD3086 (C)	115.60	3	115.60	12	115.60	6
WH1252*	110.50	6	130.90	3	120.70	4
DBW328*	100.30	12	120.70	8	110.50	11
DBW372	110.50	6	122.40	6	116.45	5
DBW333*	103.70	10	115.60	12	109.65	12
DBW303(I) (C)	100.30	12	113.90	14	107.10	15
DBW371	102.00	11	127.50	4	114.75	8
DBW332*	93.50	16	122.40	6	107.95	14
Mean	107.65		122.29		114.97	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	*	2.17	13.21		13.08	
Genotypes (B)	*	4.72	13.36		10.06	
B within A	N.S.	6.68	18.89			
A within B		6.82	19.30			
Plant height, cm						
PBW873	87.00	10	82.67	8	84.83	8
DBW187(I) (C)	89.80	7	77.47	12	83.63	11
PBW872	83.20	15	77.67	11	80.43	14
PBW874	87.60	9	85.00	4	86.30	6
HD3410	97.73	3	85.73	3	91.73	3
DBW370	98.47	2	86.07	2	92.27	2
DBW327*	84.73	14	76.73	13	80.73	13
WH1270(I) (C)	86.47	11	84.87	5	85.67	7
HD3086 (C)	85.33	13	72.00	16	78.67	16
WH1252*	93.87	5	91.60	1	92.73	1
DBW328*	99.20	1	84.07	6	91.63	4
DBW372	91.73	6	82.13	9	86.93	5
DBW333*	94.73	4	73.80	14	84.27	9
DBW303(I) (C)	85.80	12	72.60	15	79.20	15
DBW371	88.53	8	79.80	10	84.17	10
DBW332*	83.07	16	83.60	7	83.33	12
Mean	89.83		80.99		85.41	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	*	1.06	6.46		8.61	
Genotypes (B)	**	2.29	6.48		6.57	
B within A	N.S.	3.24	9.17			
A within B		3.31	9.37			
Date of Sowing			03.11.2020			
Date of Harvesting			21.03.2021			

Table 4.6.4.	Central Zone		SPL-IR-ES-HYPT		Vijapur		2020-21	
	Nutrient Management							
	Genotypes	NPK	Rk	150% NPK + FYM+GR	Rk	Mean	Rk	
<b>Yield, q/ha</b>								
PBW873	46.50	10	47.08	14	46.79	15		
DBW187(I) (C)	47.65	9	57.00	4	52.32	4		
PBW872	59.20	1	64.36	1	61.78	1		
PBW874	50.19	4	53.37	7	51.78	7		
HD3410	49.48	6	49.88	13	49.68	9		
DBW370	46.17	12	55.09	5	50.63	8		
DBW327*	47.67	8	61.64	2	54.65	2		
WH1270(I) (C)	46.20	11	51.16	10	48.68	10		
HD3086 (C)	44.58	14	44.42	16	44.50	16		
WH1252*	45.06	13	51.27	9	48.17	11		
DBW328*	50.90	2	53.13	8	52.01	6		
DBW372	44.57	15	50.33	12	47.45	12		
DBW333*	49.56	5	54.71	6	52.14	5		
DBW303(I) (C)	50.50	3	57.06	3	53.78	3		
DBW371	44.06	16	50.75	11	47.41	13		
DBW332*	48.21	7	45.52	15	46.86	14		
Mean	48.15		52.92		50.54			
	F. Test	SEm	CD (0.05)	CV (%)				
NM (A)	N.S.	0.91	5.56	12.52				
Genotypes (B)	**	2.03	5.75	9.85				
B within A	N.S.	2.88	8.13					
A within B		2.93	8.29					
<b>Earhead/sqm</b>								
PBW873	309.67	8	302.00	13	305.83	9		
DBW187(I) (C)	254.67	16	297.67	14	276.17	16		
PBW872	364.33	1	326.33	3	345.33	1		
PBW874	319.33	6	332.67	2	326.00	6		
HD3410	356.67	2	319.33	6	338.00	2		
DBW370	267.67	15	302.33	12	285.00	14		
DBW327*	304.67	9	314.00	7	309.33	8		
WH1270(I) (C)	304.00	10	287.67	16	295.83	12		
HD3086 (C)	343.33	3	321.33	4	332.33	4		
WH1252*	289.33	11	304.67	9	297.00	11		
DBW328*	286.00	12	308.33	8	297.17	10		
DBW372	317.67	7	354.00	1	335.83	3		
DBW333*	331.67	4	320.67	5	326.17	5		
DBW303(I) (C)	325.67	5	303.33	11	314.50	7		
DBW371	275.00	13	291.67	15	283.33	15		
DBW332*	272.00	14	304.67	9	288.33	13		
Mean	307.60		311.92		309.76			
	F. Test	SEm	CD (0.05)	CV (%)				
NM (A)	N.S.	2.77	16.88	6.20				
Genotypes (B)	*	14.78	41.79	11.68				
B within A	N.S.	20.90	59.10					
A within B		20.42	57.76					

<b>Grains/earhead</b>						
PBW873	31.83	10	32.93	14	32.38	14
DBW187(I) (C)	28.89	16	38.99	6	33.94	12
PBW872	30.68	13	38.42	8	34.55	10
PBW874	36.44	3	36.37	10	36.40	4
HD3410	32.43	7	41.75	2	37.09	3
DBW370	39.06	1	44.65	1	41.86	1
DBW327*	32.15	9	40.59	3	36.37	5
WH1270(I) (C)	31.23	12	39.56	5	35.40	8
HD3086 (C)	30.25	14	32.58	15	31.42	15
WH1252*	31.41	11	38.48	7	34.94	9
DBW328*	34.52	6	33.36	12	33.94	11
DBW372	29.87	15	30.47	16	30.17	16
DBW333*	32.35	8	33.14	13	32.75	13
DBW303(I) (C)	36.40	4	40.19	4	38.30	2
DBW371	35.46	5	36.81	9	36.14	7
DBW332*	38.78	2	33.75	11	36.27	6
Mean	33.23		37.00		35.12	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.69	4.21		13.65	
Genotypes (B)	N.S.	2.22	6.29		15.51	
B within A	N.S.	3.14	8.89			
A within B		3.12	8.83			
<b>1000 grains weight, g</b>						
PBW873	47.61	7	47.58	7	47.59	7
DBW187(I) (C)	68.98	1	49.58	4	59.28	1
PBW872	53.79	2	52.04	1	52.92	2
PBW874	43.08	16	44.35	11	43.71	13
HD3410	43.33	15	38.63	16	40.98	16
DBW370	44.29	12	40.97	15	42.63	15
DBW327*	50.00	5	49.57	5	49.79	4
WH1270(I) (C)	48.81	6	45.11	10	46.96	9
HD3086 (C)	43.99	13	43.13	14	43.56	14
WH1252*	52.03	3	43.85	13	47.94	6
DBW328*	51.63	4	51.67	3	51.65	3
DBW372	47.31	9	47.05	9	47.18	8
DBW333*	47.31	8	51.68	2	49.50	5
DBW303(I) (C)	43.37	14	48.84	6	46.10	11
DBW371	45.29	11	47.55	8	46.42	10
DBW332*	46.11	10	44.02	12	45.06	12
Mean	48.56		46.60		47.58	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	0.88	5.36		12.82	
Genotypes (B)	**	2.46	6.96		12.68	
B within A	N.S.	3.48	9.85			
A within B		3.48	9.86			

<b>Biomass, q/ha</b>						
PBW873	103.54	13	103.04	14	103.29	14
DBW187(I) (C)	110.25	5	124.42	6	117.33	4
PBW872	124.79	2	135.58	2	130.19	2
PBW874	118.83	3	127.79	4	123.31	3
HD3410	124.88	1	138.00	1	131.44	1
DBW370	106.17	7	125.83	5	116.00	7
DBW327*	104.50	11	129.38	3	116.94	5
WH1270(I) (C)	104.83	10	110.96	12	107.90	12
HD3086 (C)	101.38	14	102.08	16	101.73	16
WH1252*	100.54	15	123.63	7	112.08	8
DBW328*	113.42	4	119.08	8	116.25	6
DBW372	106.08	8	113.96	11	110.02	11
DBW333*	103.79	12	116.25	9	110.02	10
DBW303(I) (C)	105.21	9	116.13	10	110.67	9
DBW371	98.21	16	107.92	13	103.06	15
DBW332*	109.33	6	102.67	15	106.00	13
Mean	108.48		118.54		113.51	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	N.S.	2.36	14.38		14.42	
Genotypes (B)	**	4.07	11.52		8.79	
B within A	N.S.	5.76	16.29			
A within B		6.06	17.13			
<b>Plant height, cm</b>						
PBW873	93.80	6	84.33	11	89.07	9
DBW187(I) (C)	95.87	3	90.20	2	93.03	2
PBW872	93.60	7	86.07	8	89.83	7
PBW874	91.00	15	87.07	7	89.03	10
HD3410	96.40	2	89.33	3	92.87	3
DBW370	93.87	5	89.07	4	91.47	4
DBW327*	89.80	16	85.07	9	87.43	14
WH1270(I) (C)	95.67	4	84.40	10	90.03	6
HD3086 (C)	91.60	12	77.67	16	84.63	16
WH1252*	91.20	14	87.27	6	89.23	8
DBW328*	97.00	1	91.60	1	94.30	1
DBW372	93.60	7	82.87	14	88.23	12
DBW333*	93.07	9	83.67	12	88.37	11
DBW303(I) (C)	91.87	11	83.27	13	87.57	13
DBW371	91.40	13	88.87	5	90.13	5
DBW332*	92.73	10	81.93	15	87.33	15
Mean	93.28		85.79		89.54	
	F. Test	SEm	CD (0.05)		CV (%)	
NM (A)	*	1.19	7.23		9.20	
Genotypes (B)	**	1.02	2.90		2.80	
B within A	*	1.45	4.10			
A within B		1.84	5.20			
Date of Sowing			04.11.2020			
Date of Harvesting			05.03.2021			