

Table 1.1. Northern Hills Zone IR-TS-TAS-DOS Pooled 2012-2013

Variety	Sowing time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
VL 804 (c)	41.87	1	37.84	2	39.85	1
VL 907 (c)	40.58	3	36.93	3	38.75	3
HS 507 (c)	39.54	5	35.97	4	37.76	4
HPW 349 (I)	39.57	4	35.91	5	37.74	5
HS 536	40.73	2	38.38	1	39.55	2
Mean	40.46		37.00		38.73	
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B	
	3.02		3.22	4.55	5.07	
Earhead/sq.m.						
VL 804 (c)	342	1	312	2	327	1
VL 907 (c)	339	2	304	3	321	2
HS 507 (c)	315	5	291	4	303	4
HPW 349 (I)	320	4	269	5	294	5
HS 536	326	3	312	1	319	3
Mean	328		297		313	
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B	
	9.43		12.43	17.58	18.34	
Grains/Earhead						
VL 804 (c)	31.05	1	32.20	2	31.6	2
VL 907 (c)	26.20	5	27.90	4	27.1	5
HS 507 (c)	29.13	3	27.96	3	28.5	3
HPW 349 (I)	29.65	2	34.10	1	31.9	1
HS 536	27.63	4	27.06	5	27.3	4
Mean	28.73		29.84		29.3	
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B	
	1.02		1.48	2.10	2.14	
1000 Grains Weight, g						
VL 804 (c)	40.21	5	39.11	5	39.66	5
VL 907 (c)	45.45	2	43.63	3	44.54	2
HS 507 (c)	44.42	3	44.14	2	44.28	3
HPW 349 (I)	42.20	4	40.20	4	41.20	4
HS 536	46.63	1	45.05	1	45.84	1
Mean	43.78		42.43		43.10	
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B	
	0.39		0.71	1.00	0.98	

Centres: Almora, Bajaura, Khudwani, Malan

Table 1.2. Northern Hills Zone RF-ES-TAS-LON Pooled 2012-13

Variety	Nitrogen levels. kg/ha						Mean	Rk
	40	Rk	60	Rk	80	Rk		
Yield, q/ha								
VL 829 (c)	27.23	3	33.63	3	38.27	1	33.04	3
HS 277 (c)	24.77	4	30.45	4	33.07	4	29.43	4
HPW 251 (l)	29.53	2	35.01	1	37.52	3	34.02	2
Hs 542	30.67	1	34.76	2	37.77	2	34.40	1
MEAN	28.05		33.46		36.66		32.72	
CD (.05)	Nitrogen (A) 0.85		Variety(B) 1.44		B within A 2.50		A within B 2.32	
Earhead/sq.m.								
VL 829 (c)	272	3	296	2	325	1	298	2
HS 277 (c)	278	1	281	3	286	4	282	4
HPW 251 (l)	277	2	304	1	316	2	299	1
Hs 542	271	4	278	4	305	3	285	3
MEAN	274		290		308		291	
CD (.05)	Nitrogen (A) 7.34		Variety(B) 8.77		B within A 15.18		A within B 15.06	
Grains/Earhead								
VL 829 (c)	24.81	3	27.63	4	28.54	3	26.99	4
HS 277 (c)	24.75	4	29.23	2	32.00	1	28.66	2
HPW 251 (l)	27.28	1	29.39	1	30.91	2	29.20	1
Hs 542	26.11	2	29.21	3	28.39	4	27.91	3
MEAN	25.74		28.87		29.96		28.19	
CD (.05)	Nitrogen (A) 2.52		Variety(B) 2.44		B within A 4.22		A within B 4.44	
1000 Grains Weight, g								
VL 829 (c)	40.71	2	41.53	2	42.37	2	41.53	2
HS 277 (c)	36.74	4	37.55	4	36.83	4	37.04	4
HPW 251 (l)	39.19	3	39.62	3	39.16	3	39.32	3
Hs 542	42.40	1	42.53	1	43.71	1	42.88	1
MEAN	39.76		40.30		40.52		40.19	
CD (.05)	Nitrogen (A) 1.26		Variety(B) 0.70		B within A 1.21		A within B 1.64	

Centres: Almora ,Bajaura,Khudwani , Malan

Table 1.3. Northern Hills Zone RF-TS-TAS-LON Pooled 2012-13

Variety	Nitrogen levels. kg/ha						Mean	Rk
	40	Rk	60	Rk	80	Rk		
Yield, q/ha								
VL 804 (c)	26.80	1	31.57	1	35.31	1	31.23	1
VL 907 (c)	24.65	5	27.82	5	31.77	5	28.08	5
HS 507 (c)	24.68	4	29.06	4	32.46	3	28.73	4
HPW 349 (I)	26.23	3	30.17	3	31.83	4	29.41	3
HS 536	26.72	2	31.45	2	34.89	2	31.02	2
MEAN	25.81		30.01		33.25		29.69	
CD (0.05)	Nitrogen (A)		Variety(B)		B within A		A within B	
	0.57		1.02		1.77		1.69	
Earhead/sq.m.								
VL 804 (c)	272	2	289	5	315	2	292	2
VL 907 (c)	270	3	295	2	306	5	290	4
HS 507 (c)	266	4	290	3	314	3	290	5
HPW 349 (I)	261	5	290	4	321	1	291	3
HS 536	275	1	309	1	312	4	299	1
MEAN	269		295		314		292	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	8.77		11.58		20.06		19.97	
Grains/Earhead								
VL 804 (c)	25.10	1	26.74	1	27.22	1	26.35	1
VL 907 (c)	21.02	5	21.70	5	23.00	4	21.91	5
HS 507 (c)	21.66	4	22.88	3	22.89	5	22.48	4
HPW 349 (I)	25.07	2	25.28	2	23.59	2	24.64	2
HS 536	22.32	3	22.75	4	23.59	3	22.88	3
MEAN	23.03		23.87		24.06		23.65	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	0.78		1.11		1.92		1.89	
1000 Grains Weight, g								
VL 804 (c)	38.86	5	39.69	5	40.35	5	39.63	5
VL 907 (c)	42.55	2	43.18	2	43.33	3	43.02	2
HS 507 (c)	41.90	3	42.70	3	43.44	2	42.68	3
HPW 349 (I)	39.22	4	40.11	4	40.49	4	39.94	4
HS 536	43.48	1	43.95	1	45.76	1	44.40	1
MEAN	41.20		41.92		42.67		41.93	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	0.66		0.75		1.29		1.33	

Centres: Almora ,Bajaura,Imphal,Khudwani , Malan

Table 2.1. North Western Plains Zone IR-TS-TAS-DOS Pooled 2012-13

Varieties	Time of sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
DBW 88	54.32	3	44.69	2	49.51	2
HD 3086	53.54	4	43.54	4	48.54	4
WH 1105 (I)	53.43	5	42.06	7	47.75	6
DBW 17 (c)	55.06	1	44.83	1	49.94	1
HD 2967 (c)	51.88	7	42.36	6	47.12	7
DPW 621-50 (c)	53.33	6	44.28	3	48.80	3
PBW 550 (c)	54.33	2	42.55	5	48.44	5
Mean	53.70		43.47		48.59	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.52	1.28	NS	NS		
Earhead/sq.m.						
DBW 88	442	3	364	6	403	5
HD 3086	472	1	405	1	438	1
WH 1105 (I)	407	7	355	7	381	7
DBW 17 (c)	457	2	394	3	426	2
HD 2967 (c)	430	5	384	4	407	4
DPW 621-50 (c)	438	4	394	2	416	3
PBW 550 (c)	427	6	372	5	399	6
Mean	439		381		410	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	5.66	10.66	15.07	15.06		
Grains/Earhead						
DBW 88	31.79	5	35.02	1	33.40	2
HD 3086	28.48	7	30.65	7	29.56	7
WH 1105 (I)	34.63	1	34.73	2	34.68	1
DBW 17 (c)	32.44	4	33.02	3	32.73	5
HD 2967 (c)	30.69	6	32.86	4	31.77	6
DPW 621-50 (c)	32.98	3	32.50	5	32.74	4
PBW 550 (c)	33.72	2	32.10	6	32.91	3
Mean	32.10		32.98		32.54	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.64	1.20	1.70	1.70		
1000 Grains Weight, g						
DBW 88	39.50	4	36.46	1	37.98	2
HD 3086	40.39	1	36.13	3	38.26	1
WH 1105 (I)	39.67	3	35.00	6	37.34	5
DBW 17 (c)	38.03	6	36.00	4	37.01	6
HD 2967 (c)	40.08	2	34.98	7	37.53	3
DPW 621-50 (c)	37.62	7	35.49	5	36.55	7
PBW 550 (c)	38.65	5	36.33	2	37.49	4
Mean	39.14		35.77		37.45	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.50	0.62	0.88	0.95		

Centres: Agra, Durgapura, Hisar, Karnal, Ludhiana, Nagina, Pantnagar.

Table 2.2. North Western Plains Zone IR-TS-TDM-DOS Pooled 2012-13

Varieties	Time of sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HI 8728 (d)	51.71	2	44.06	3	47.88	2
PDW 291 (c)	51.13	4	43.99	4	47.56	4
HD 2967 (c)	50.44	5	43.50	5	46.97	5
PDW 314 (c)	53.38	1	45.62	1	49.50	1
DBW 17 (c)	51.21	3	44.41	2	47.81	3
Mean	51.58		44.32		47.95	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.64	1.20	NS	NS		
Earhead/sq.m.						
HI 8728 (d)	451	4	377	5	414	4
PDW 291 (c)	489	1	422	1	455	1
HD 2967 (c)	439	5	388	4	414	5
PDW 314 (c)	465	3	402	3	433	3
DBW 17 (c)	473	2	410	2	441	2
Mean	463		400		431	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	7.38	11.54	NS	NS		
Grains/Earhead						
HI 8728 (d)	27.20	4	28.16	4	27.68	4
PDW 291 (c)	25.45	5	26.21	5	25.83	5
HD 2967 (c)	30.26	1	31.28	2	30.77	1
PDW 314 (c)	29.74	2	30.36	3	30.05	3
DBW 17 (c)	29.67	3	31.63	1	30.65	2
Mean	28.46		29.53		28.99	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.83	1.17	NS	NS		
1000 Grains Weight, g						
HI 8728 (d)	42.79	1	42.60	1	42.70	1
PDW 291 (c)	42.38	2	41.57	2	41.98	2
HD 2967 (c)	38.58	4	36.47	4	37.52	4
PDW 314 (c)	39.44	3	38.05	3	38.75	3
DBW 17 (c)	37.29	5	35.01	5	36.15	5
Mean	40.10		38.74		39.42	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.41	0.74	1.04	1.02		

Centres: Agra, Durgapura, Hisar, Karnal, Ludhiana, Nagina, Pantnagar.

Table 2.3. North Western Plains Zone IR-LS-TAS-DOS Pooled 2012-13

Varieties	Time of sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
WH 1124	45.02	4	36.43	1	40.72	2
HD 3091	45.87	1	35.62	2	40.74	1
DBW 90	44.97	5	35.05	3	40.01	3
DBW 71 (I)	45.40	3	34.37	5	39.89	4
HD 3059 (I)	45.57	2	33.80	6	39.69	5
WH 1021 (c)	44.80	6	33.68	7	39.24	7
PBW 590 (c)	44.42	7	34.47	4	39.44	6
PBW 373 (c)	42.08	8	31.10	8	36.59	8
Mean	44.77		34.31		39.54	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.59	1.04	NS	NS		
Earhead/sq.m.						
WH 1124	436	2	380	3	408	2
HD 3091	444	1	386	1	415	1
DBW 90	433	5	382	2	408	3
DBW 71 (I)	434	4	374	5	404	5
HD 3059 (I)	407	8	354	8	381	8
WH 1021 (c)	430	6	378	4	404	4
PBW 590 (c)	408	7	364	7	386	7
PBW 373 (c)	435	3	373	6	404	6
Mean	428		374		401	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	4.80	12.96	NS	NS		
Grains/Earhead						
WH 1124	27.35	6	27.68	6	27.51	6
HD 3091	29.71	1	30.40	1	30.05	1
DBW 90	27.91	5	28.36	4	28.14	4
DBW 71 (I)	27.11	7	26.76	7	26.94	7
HD 3059 (I)	29.16	2	28.76	2	28.96	2
WH 1021 (c)	28.14	4	27.76	5	27.95	5
PBW 590 (c)	28.94	3	28.50	3	28.72	3
PBW 373 (c)	26.54	8	26.25	8	26.39	8
Mean	28.11		28.06		28.08	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	NS	1.10	NS	NS		
1000 Grains Weight, g						
WH 1124	38.46	4	35.80	2	37.13	2
HD 3091	35.63	8	32.10	8	33.86	8
DBW 90	37.97	5	33.67	6	35.82	5
DBW 71 (I)	39.44	1	35.83	1	37.63	1
HD 3059 (I)	39.10	2	34.40	4	36.75	3
WH 1021 (c)	37.64	6	33.84	5	35.74	6
PBW 590 (c)	38.62	3	34.76	3	36.69	4
PBW 373 (c)	37.53	7	33.65	7	35.59	7
Mean	38.05		34.26		36.15	
CD (0.05)	Sowing (A)	Varieties (B)	B within A	A within B		
	0.37	0.70	NS	NS		

Centres: Agra, Durgapura, Hisar, Jammu, Karnal, Ludhiana, Nagina, Pantnagar.

Table 2.4. North Western Plains Zone RIR-TS-TAS Pooled 2012-13

Varieties	Number of Irrigations						Mean	Rk
	No	Rk	One CRI	Rk	Two CRI & LT	Rk		
Yield, q/ha								
DBW 74	34.50	4	40.04	3	42.36	3	38.97	3
PBW 660	32.89	6	37.50	6	39.72	5	36.70	6
HD 3070	38.14	1	43.32	1	45.19	1	42.22	1
WH 1080 (c)	33.43	5	38.52	4	41.04	4	37.66	5
HD 3043 (c)	35.70	3	40.21	2	42.53	2	39.48	2
PBW 175 (c)	35.78	2	37.97	5	39.54	6	37.77	4
C 306 (c)	32.05	7	33.00	7	34.26	7	33.10	7
Mean	34.64		38.65		40.66		37.99	
CD (0.05)	Irrigations (A)	Varieties (B)		B within A		A within B		
	0.72	0.94		1.63		1.67		
Earhead/sq.m.								
DBW 74	333	6	368	6	378	6	360	6
PBW 660	328	7	357	7	376	7	354	7
HD 3070	347	3	391	3	408	3	382	3
WH 1080 (c)	345	4	378	5	395	5	373	5
HD 3043 (c)	376	2	398	2	425	2	400	2
PBW 175 (c)	389	1	425	1	440	1	418	1
C 306 (c)	338	5	384	4	400	4	374	4
Mean	351		386		403		380	
CD (0.05)	Irrigations	Varieties		B within A		A within B		
	4.66	12.19		NS		NS		
Grains/Earhead								
DBW 74	28.59	2	29.64	2	29.30	2	29.17	2
PBW 660	27.11	4	27.37	4	26.80	4	27.09	4
HD 3070	31.88	1	31.14	1	31.55	1	31.52	1
WH 1080 (c)	28.07	3	28.10	3	27.78	3	27.98	3
HD 3043 (c)	26.48	5	27.05	5	26.16	5	26.56	5
PBW 175 (c)	23.17	7	22.15	7	21.88	7	22.40	7
C 306 (c)	25.69	6	22.59	6	22.58	6	23.62	6
Mean	27.28		26.86		26.58		26.91	
CD (0.05)	Irrigations	Varieties		B within A		A within B		
	NS	1.18		NS		NS		
1000 Grains Weight, g								
DBW 74	37.38	4	37.20	6	38.60	5	37.73	5
PBW 660	38.53	2	39.36	2	40.18	2	39.36	2
HD 3070	35.52	7	36.37	7	36.09	7	35.99	7
WH 1080 (c)	36.33	6	37.42	5	38.19	6	37.31	6
HD 3043 (c)	37.22	5	38.37	4	38.95	4	38.18	4
PBW 175 (c)	41.75	1	42.12	1	42.26	1	42.04	1
C 306 (c)	38.20	3	39.15	3	39.37	3	38.91	3
Mean	37.85		38.57		39.09		38.50	
CD (0.05)	Irrigations	Varieties		B within A		A within B		
	0.40	0.62		NS		NS		

Centres: Agra, Delhi, Durgapura, Gurdaspur, Hisar, Karnal, Nagina, Ludhiana, Pantnagar.

Table 2.5.		North Western Plains Zone		RF-TAS-LON		Pooled		2012-13	
Nitrogen Levels, kg/ha									
Varieties	40	Rk	60	Rk	80	Rk	Mean	Rk	
Yield, q/ha									
WH 1098	35.31	2	37.53	4	39.28	3	37.37	3	
WH 1126	35.20	3	38.29	2	40.02	2	37.84	2	
WH 1127	33.34	6	37.82	3	37.90	4	36.35	4	
DBW 74	32.68	8	36.90	6	36.41	10	35.33	7	
PBW 660	32.34	10	35.03	8	37.27	7	34.88	8	
PBW 674	31.28	11	33.96	11	34.31	11	33.19	11	
PBW 675	32.59	9	34.70	9	36.89	8	34.73	10	
WH 1080 (c)	33.56	4	36.42	7	37.47	6	35.82	6	
PBW 644 (c)	33.27	7	37.25	5	37.52	5	36.01	5	
PBW 175 (c)	33.34	5	34.64	10	36.49	9	34.82	9	
C 306 (c)	35.91	1	38.29	1	40.21	1	38.13	1	
Mean	33.53		36.44		37.62		35.86		
CD (0.05)	Nitrogen		Varieties		B within A		A within B		
	0.81		1.24		NS		NS		
Earhead/sq.m.									
WH 1098	345	3	358	3	366	3	357	3	
WH 1126	329	5	351	4	349	5	343	5	
WH 1127	292	9	308	10	308	10	303	10	
DBW 74	283	11	305	11	306	11	298	11	
PBW 660	298	8	313	9	320	8	310	8	
PBW 674	291	10	317	8	314	9	308	9	
PBW 675	354	2	369	1	367	2	363	2	
WH 1080 (c)	298	7	322	7	333	6	318	7	
PBW 644 (c)	321	6	333	6	329	7	328	6	
PBW 175 (c)	329	4	349	5	350	4	343	4	
C 306 (c)	358	1	367	2	380	1	368	1	
Mean	318		336		338		331		
CD (0.05)	Nitrogen		Varieties		B within A		A within B		
	6.60		10.94		NS		NS		
Grains/Earhead									
WH 1098	29.09	4	28.59	5	28.52	6	28.73	4	
WH 1126	27.31	7	27.57	6	29.26	4	28.05	6	
WH 1127	30.23	1	31.90	1	31.63	1	31.25	1	
DBW 74	29.60	2	30.03	2	29.53	2	29.72	2	
PBW 660	26.82	8	27.41	7	28.57	5	27.60	7	
PBW 674	25.35	9	25.54	9	25.49	10	25.46	9	
PBW 675	24.23	11	24.45	10	25.61	9	24.76	10	
WH 1080 (c)	29.18	3	28.94	3	28.40	7	28.84	3	
PBW 644 (c)	27.57	5	28.91	4	29.45	3	28.64	5	
PBW 175 (c)	24.56	10	23.62	11	24.64	11	24.28	11	
C 306 (c)	27.38	6	27.23	8	27.26	8	27.29	8	
Mean	27.39		27.65		28.03		27.69		
CD (0.05)	Nitrogen		Varieties		B within A		A within B		
	NS		1.19		NS		NS		
1000 Grains Weight, g									
WH 1098	37.29	11	38.38	11	38.77	11	38.15	11	
WH 1126	40.51	4	40.88	4	40.48	6	40.62	4	
WH 1127	38.90	9	39.18	10	39.40	10	39.16	10	
DBW 74	39.45	6	40.56	5	40.49	5	40.17	6	
PBW 660	40.99	3	41.64	3	41.50	3	41.37	3	
PBW 674	43.68	1	43.89	1	44.19	1	43.92	1	
PBW 675	40.19	5	40.24	6	40.68	4	40.37	5	
WH 1080 (c)	38.91	8	39.30	9	39.78	8	39.33	9	
PBW 644 (c)	39.07	7	39.64	8	39.65	9	39.45	7	
PBW 175 (c)	42.31	2	42.99	2	43.06	2	42.78	2	
C 306 (c)	38.41	10	39.70	7	39.94	7	39.35	8	
Mean	39.97		40.58		40.72		40.43		
CD (0.05)	Nitrogen		Varieties		B within A		A within B		
	0.34		0.77		NS		NS		

Centres: Agra, Durgapura, Gurdaspur, Hisar, Ludhiana.

Table 3.1. North Eastern Plains Zone IR-TS-TAS-DOS Pooled 2012-13

Variety	Sowing time			Rk	Mean	Rk
	Timely	Rk	Late			
Yield, q/ha						
NW 5054	44.90	3	38.32	1	41.61	1
WH 1120	44.77	4	36.79	6	40.78	4
PBW 661	44.57	5	36.59	7	40.58	5
K1006	44.00	7	35.48	9	39.74	9
HD 3076	43.84	8	37.10	4	40.47	7
RAJ 4229 (I)	42.29	9	37.37	2	39.83	8
HD2733 (c)	45.11	2	37.24	3	41.17	2
K0307 (c)	45.16	1	36.59	8	40.87	3
DBW 39 (c)	44.17	6	36.96	5	40.56	6
MEAN	44.31		36.94		40.62	
CD(0.05)	Sowing (A) 0.40		Variety (B) 0.90		B within A 1.27	A within B 1.26
Earhead/sq.m.						
NW 5054	351.14	2	327.66	1	339.40	1
WH 1120	350.21	3	315.32	5	332.76	4
PBW 661	325.73	9	296.78	9	311.26	9
K1006	349.10	4	319.58	3	334.34	3
HD 3076	328.75	7	312.66	6	320.71	6
RAJ 4229 (I)	332.09	6	304.57	8	318.33	7
HD2733 (c)	352.49	1	321.72	2	337.10	2
K0307 (c)	348.65	5	316.03	4	332.34	5
DBW 39 (c)	326.73	8	307.73	7	317.23	8
MEAN	340.54		313.56		327.05	
CD(0.05)	Sowing (A) 5.48		Variety (B) 7.15		B within A NS	A within B NS
Grains/Earhead						
NW 5054	31.71	9	31.61	9	31.66	9
WH 1120	33.01	6	33.11	5	33.06	6
PBW 661	34.33	2	34.19	2	34.26	1
K1006	33.44	5	32.77	6	33.10	5
HD 3076	32.84	7	32.39	7	32.62	7
RAJ 4229 (I)	33.95	4	34.28	1	34.11	2
HD2733 (c)	32.31	8	32.16	8	32.24	8
K0307 (c)	34.07	3	33.76	3	33.92	4
DBW 39 (c)	34.53	1	33.63	4	34.08	3
MEAN	33.35		33.10		33.23	
CD(0.05)	Sowing (A) NS		Variety (B) 1.08		B within A NS	A within B NS
1000 Grains Weight, g						
NW 5054	41.15	1	37.84	1	39.49	1
WH 1120	39.83	5	36.48	7	38.16	5
PBW 661	40.78	4	37.52	3	39.15	4
K1006	38.64	8	35.10	9	36.87	9
HD 3076	41.12	2	37.46	4	39.29	3
RAJ 4229 (I)	38.55	9	36.85	5	37.70	7
HD2733 (c)	41.01	3	37.75	2	39.38	2
K0307 (c)	38.81	7	35.68	8	37.24	8
DBW 39 (c)	39.51	6	36.62	6	38.06	6
MEAN	39.93		36.81		38.37	
CD(0.05)	Sowing (A) 0.32		Variety (B) 0.57		B within A NS	A within B NS

Centres: Burdwan, Coochbehar, Faizabad, IARI PUSA, Kalyani, Kanpur, Ranchi, RAU PUSA, Sabour, Varanasi

Table 3.2. North Eastern Plains Zone IR-LS-TAS-DOS Pooled 2012-13

Variety	Sowing time				Mean	Rk
	Late	Rk	Very late	Rk		
Yield, q/ha						
Raj 4250	38.22	1	32.33	1	35.27	1
DBW 14 (c)	35.59	6	29.29	5	32.44	6
HD 2985 (c)	36.06	5	29.14	6	32.60	5
HD 2733 (c)	38.22	2	31.50	2	34.86	2
HI 1563 (c)	37.20	3	30.42	3	33.81	3
NW 2036 (c)	36.42	4	30.32	4	33.37	4
MEAN	36.95		30.50		33.73	
CD(0.05)	Sowing (A) 0.56		Variety (B) 0.83	B within A NS	A within B NS	
Earhead/sq.m.						
Raj 4250	337.04	5	303.43	2	320.24	3
DBW 14 (c)	345.21	2	286.17	6	315.69	5
HD 2985 (c)	337.64	4	299.65	4	318.64	4
HD 2733 (c)	369.77	1	319.17	1	344.47	1
HI 1563 (c)	339.12	3	301.61	3	320.37	2
NW 2036 (c)	328.66	6	298.84	5	313.75	6
MEAN	342.91		301.48		322.19	
CD(0.05)	Sowing (A) 14.25		Variety (B) 9.40	B within A 13.30	A within B 18.72	
Grains/Earhead						
Raj 4250	30.13	4	30.51	6	30.32	4
DBW 14 (c)	28.50	6	31.60	4	30.05	6
HD 2985 (c)	31.80	2	32.14	3	31.97	2
HD 2733 (c)	29.69	5	30.56	5	30.13	5
HI 1563 (c)	31.19	3	32.58	2	31.88	3
NW 2036 (c)	32.88	1	32.85	1	32.87	1
MEAN	30.70		31.71		31.20	
CD(0.05)	Sowing (A) NS		Variety (B) 1.40	B within A NS	A within B NS	
1000 Grains Weight, g						
Raj 4250	39.42	1	36.46	1	37.94	1
DBW 14 (c)	38.28	2	34.51	2	36.40	2
HD 2985 (c)	35.10	5	32.03	6	33.56	6
HD 2733 (c)	37.38	3	34.10	3	35.74	3
HI 1563 (c)	36.82	4	33.41	4	35.12	4
NW 2036 (c)	34.91	6	32.64	5	33.77	5
MEAN	36.98		33.86		35.42	
CD(0.05)	Sowing (A) 0.45		Variety (B) 0.64	B within A NS	A within B NS	

Centres: Burdwan, Coochbehar, Faizabad, IARI PUSA, Kalyani, Kanpur, RAU PUSA, Sabour, Varanasi

Table 3.3. North Eastern Plains Zone RF-TAS-LON Pooled 2012-13

Variety	Nitrogen level, kg/ha						Mean	Rk
	40	Rk	60	Rk	80	Rk		
Yield, q/ha								
WH 1127	24.38	1	27.52	1	30.21	1	27.37	1
HD 2888 (c)	22.69	3	26.54	3	28.43	2	25.89	2
K 8027 (c)	22.27	4	25.77	4	27.92	3	25.32	4
C 306 (c)	22.89	2	26.55	2	27.58	4	25.67	3
MEAN	23.06		26.60		28.53		26.06	
CD(0.05)	Nitrogen (A) 0.63		Variety (B) 0.60		B within A NS		A within B NS	
Earhead/sq.m.								
WH 1127	230	3	245	2	259	1	244	2
HD 2888 (c)	236	1	246	1	253	2	245	1
K 8027 (c)	222	4	240	3	246	3	236	4
C 306 (c)	231	2	233	4	244	4	236	3
MEAN	230		241		250		240	
CD(0.05)	Nitrogen (A) 6.78		Variety (B) 5.09		B within A NS		A within B NS	
Grains/Earhead								
WH 1127	26.79	1	27.90	2	28.40	1	27.70	1
HD 2888 (c)	25.72	4	27.06	3	27.86	2	26.88	4
K 8027 (c)	26.65	2	26.88	4	27.24	4	26.92	3
C 306 (c)	26.32	3	28.39	1	27.25	3	27.32	2
MEAN	26.37		27.56		27.69		27.20	
CD(0.05)	Nitrogen (A) 1.09		Variety (B) NS		B within A NS		A within B NS	
1000 Grains Weight, g								
WH 1127	40.80	1	41.65	1	42.22	3	41.56	1
HD 2888 (c)	38.73	4	40.90	4	41.89	4	40.51	4
K 8027 (c)	39.42	2	41.34	2	42.65	1	41.14	2
C 306 (c)	39.38	3	41.19	3	42.53	2	41.03	3
MEAN	39.58		41.27		42.32		41.06	
CD(0.05)	Nitrogen (A) 0.64		Variety (B) 0.54		B within A NS		A within B NS	

Centres: Burdwan, Coochbehar, Faizabad, IARI PUSA, Kalyani, Kanpur, Ranchi, RAU PUSA, Sabour, Shillongani, Varanasi

Table 4.1	Central Zone	IR-TS-TAD-DOS	Pooled	2012-13		
	Sowing time					
Variety	Timely	Rk	Late	Rk	Mean	Rk
	Yield, q/ha					
HI 8724(d)	50.08	2	43.92	2	47.00	2
HI 8725(d)	47.61	5	44.71	1	46.16	3
HI 8727(d)	47.62	4	40.42	6	44.02	5
HI 8713(dl)	51.87	1	43.31	3	47.59	1
MPO 1215(dc)	48.17	3	39.81	8	43.99	6
HI 8498(dc)	46.40	6	41.20	5	43.80	7
GW 322(c)	44.05	8	40.14	7	42.10	8
HI 1544 (c)	45.73	7	43.08	4	44.40	4
Mean	47.69		42.07		44.88	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.47	0.90	1.28	1.28		
	Earhead/sq.m.					
HI 8724(d)	368	1	331	1	350	1
HI 8725(d)	340	5	309	7	324	6
HI 8727(d)	339	7	299	8	319	8
HI 8713(dl)	342	4	314	5	328	5
MPO 1215(dc)	344	3	313	6	328	4
HI 8498(dc)	329	8	317	3	323	7
GW 322(c)	340	6	329	2	334	2
HI 1544 (c)	347	2	315	4	331	3
Mean	343		316		330	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	3.57	6.37	9.00	9.15		
	Grains/ Earhead					
HI 8724(d)	28.84	5	32.02	5	30.43	5
HI 8725(d)	27.97	7	33.03	4	30.50	4
HI 8727(d)	29.20	3	31.59	6	30.39	6
HI 8713(dl)	35.00	1	37.01	1	36.01	1
MPO 1215(dc)	28.76	6	29.68	8	29.22	7
HI 8498(dc)	27.43	8	30.50	7	28.96	8
GW 322(c)	30.00	2	33.27	3	31.63	3
HI 1544 (c)	29.11	4	34.34	2	31.72	2
Mean	29.54		32.68		31.11	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.40	1.01	1.43	1.40		
	1000 Grains Weight, g					
HI 8724(d)	47.39	5	43.31	5	45.35	5
HI 8725(d)	50.33	2	46.39	1	48.36	2
HI 8727(d)	47.87	4	44.35	4	46.11	4
HI 8713(dl)	43.80	8	39.29	7	41.54	7
MPO 1215(dc)	49.31	3	45.67	2	47.49	3
HI 8498(dc)	51.82	1	45.13	3	48.48	1
GW 322(c)	44.04	7	38.90	8	41.47	8
HI 1544 (c)	46.10	6	41.72	6	43.91	6
Mean	47.58		43.09		45.34	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.29	0.69	0.98	0.96		

Centres: Bilaspur, Gwalior, Indore, Junagarh, Kota, Powarkheda, Sagar, Udaipur, Vijapur

Table 4.2 Central Zone IR-LS-TAS-DOS Pooled 2012-13

Variety	Sowing time				Mean	Rk
	Late	Rk	Very late	Rk		
Yield, q/ha						
HD 3095	45.51	2	37.31	3	41.16	2
RAJ 4238(I)	48.04	1	37.89	2	42.30	1
MP 3336(I)	44.15	4	36.05	4	39.74	4
MP 4010(c)	40.66	7	33.06	7	36.48	7
GW 322(c)	42.96	6	36.01	5	39.33	6
HD 2932(c)	44.54	3	35.44	6	39.65	5
HD 2864(c)	43.28	5	38.42	1	40.67	3
Mean	44.16		36.27		39.91	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.73	0.85	1.21	1.33		
Earhead/sq.m.						
HD 3095	365	1	310	3	337	2
RAJ 4238(I)	358	2	319	1	339	1
MP 3336(I)	351	3	316	2	333	3
MP 4010(c)	335	7	293	7	314	7
GW 322(c)	347	4	294	6	321	6
HD 2932(c)	340	6	308	4	324	5
HD 2864(c)	342	5	307	5	325	4
Mean	348		307		327	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	2.99	6.29	8.90	8.76		
Grains/ Earhead						
HD 3095	30.27	7	36.46	2	33.36	6
RAJ 4238(I)	37.46	1	34.38	6	35.92	1
MP 3336(I)	33.16	3	35.88	3	34.52	4
MP 4010(c)	30.96	6	32.12	7	31.54	7
GW 322(c)	32.82	4	38.20	1	35.51	2
HD 2932(c)	34.38	2	34.79	5	34.58	3
HD 2864(c)	32.82	5	35.85	4	34.34	5
Mean	33.12		35.38		34.25	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.71	1.15	1.62	1.66		
1000 Grains Weight, g						
HD 3095	43.74	1	38.33	3	41.03	2
RAJ 4238(I)	43.04	2	38.43	2	40.73	3
MP 3336(I)	40.91	5	35.51	6	38.21	6
MP 4010(c)	42.59	3	39.78	1	41.18	1
GW 322(c)	40.00	7	34.37	7	37.18	7
HD 2932(c)	40.50	6	36.99	5	38.75	5
HD 2864(c)	41.35	4	38.28	4	39.82	4
Mean	41.73		37.38		39.56	
	Sowing (A)	Variety (B)	B within A	A within B		
CD (0.05)	0.39	0.64	0.91	0.93		

Centres: Bilaspur, Gwalior, Indore, Junagarh, Kota, Powarkheda, Sagar, Udaipur, Vijapur

Variety	Central Zone		RIR-TS-TAS		Pooled		2012-13	
	Irrigation level							
	Zero	Rk	One	Rk	Two	Rk	Average Rk	
Yield, q/ha								
HI 8731(d)	18.65	5	28.90	3	34.15	3	27.23	3
MPO 1255(d)	18.97	4	28.30	4	32.82	5	26.70	5
MP 3288(c)	20.05	3	30.10	2	34.81	2	28.32	2
HI 8627(c)	20.64	1	32.16	1	37.87	1	30.22	1
A-9-30-1(c)	17.56	6	25.72	6	31.39	6	24.89	6
HI 1500(c)	20.08	2	28.02	5	33.36	4	27.15	4
Mean	19.33		28.87		34.07		27.42	
CD (0.05)	Irrigation (A)		Variety (B)		B within A		A within B	
	0.62		0.58		1.00		1.10	
Earhead/sqm								
HI 8731(d)	201	4	254	2	268	4	241	3
MPO 1255(d)	195	6	244	4	264	5	234	5
MP 3288(c)	205	2	255	1	274	2	245	2
HI 8627(c)	209	1	254	3	278	1	247	1
A-9-30-1(c)	202	3	235	6	249	6	229	6
HI 1500(c)	195	5	242	5	269	3	235	4
Mean	201		247		267		239	
CD (0.05)	Irrigation (A)		Variety (B)		B within A		A within B	
	3.29		4.73		8.19		8.17	
Grains/Earhead								
HI 8731(d)	22.21	6	25.01	5	27.46	5	24.90	5
MPO 1255(d)	22.89	5	24.37	6	26.45	6	24.57	6
MP 3288(c)	26.63	1	29.43	1	30.67	1	28.91	1
HI 8627(c)	23.56	3	27.41	3	28.36	4	26.44	4
A-9-30-1(c)	23.41	4	27.70	2	30.43	2	27.18	2
HI 1500(c)	25.80	2	27.02	4	28.59	3	27.14	3
Mean	24.08		26.82		28.66		26.52	
CD (0.05)	Irrigation (A)		Variety (B)		B within A		A within B	
	0.92		1.12		NS		NS	
1000 Grains Weight, g								
HI 8731(d)	44.75	2	46.89	2	48.86	2	46.84	2
MPO 1255(d)	45.93	1	48.29	1	48.46	3	47.56	1
MP 3288(c)	39.25	6	42.21	5	43.57	5	41.68	5
HI 8627(c)	43.89	3	46.31	3	49.08	1	46.42	3
A-9-30-1(c)	40.18	5	41.62	6	43.24	6	41.68	6
HI 1500(c)	41.23	4	44.61	4	43.78	4	43.21	4
Mean	42.54		44.99		46.16		44.56	
CD (0.05)	Irrigation (A)		Variety (B)		B within A		A within B	
	0.39		0.59		1.03		1.02	
Centres: Bilaspur, Gwalior, Indore, Kota, Powarkheda, Sagar, Udaipur, Vijapur								

Variety	Central Zone		RF-TAS-LON		Pooled		2012-13	
	Nitrogen level, kg/ha							
	40	Rk	60	Rk	80	Rk	Average	Rk
Yield, q/ha								
HI 8731(d)	18.76	5	21.00	5	22.46	5	20.74	5
MPO 1255(d)	19.57	4	21.37	4	23.02	4	21.32	4
MP 3288(c)	19.81	3	23.78	1	25.18	2	22.92	2
HI 8627(c)	20.54	1	23.60	2	26.11	1	23.42	1
A-9-30-1(c)	18.33	6	20.57	6	21.75	6	20.22	6
HI 1500(c)	20.54	2	23.09	3	24.83	3	22.82	3
Mean	19.59		22.23		23.89		21.91	
CD (0.05)	Nitrogen (A) 0.40		Variety (B) 0.59		B within A 1.03		A within B 1.02	
Earhead/sqm								
HI 8731(d)	205	5	221	5	236	2	220	4
MPO 1255(d)	209	4	217	6	233	4	220	5
MP 3288(c)	214	2	243	1	233	5	230	1
HI 8627(c)	212	3	228	3	238	1	226	3
A-9-30-1(c)	191	6	222	4	227	6	214	6
HI 1500(c)	217	1	229	2	235	3	227	2
Mean	208		227		234		223	
CD (0.05)	Nitrogen (A) 2.85		Variety (B) 5.04		B within A 8.73		A within B 8.47	
Grains/Earhead								
HI 8731(d)	20.60	6	21.12	5	20.51	6	20.74	6
MPO 1255(d)	21.76	4	21.11	6	21.25	5	21.37	5
MP 3288(c)	23.19	3	22.91	3	25.72	1	23.94	2
HI 8627(c)	21.63	5	23.11	2	24.06	3	22.93	4
A-9-30-1(c)	25.12	1	22.43	4	23.24	4	23.60	3
HI 1500(c)	23.24	2	23.51	1	25.18	2	23.97	1
Mean	22.59		22.36		23.33		22.76	
CD (0.05)	Nitrogen (A) 0.66		Variety (B) 0.97		B within A 1.68		A within B 1.67	
1000 Grains Weight, g								
HI 8731(d)	45.36	1	45.03	2	46.74	1	45.71	1
MPO 1255(d)	43.34	3	45.73	1	45.73	2	44.93	2
MP 3288(c)	40.73	4	43.64	4	41.93	5	42.10	4
HI 8627(c)	44.85	2	44.64	3	44.73	3	44.74	3
A-9-30-1(c)	40.55	5	42.14	6	41.83	6	41.51	6
HI 1500(c)	40.52	6	42.82	5	42.31	4	41.89	5
Mean	42.56		44.00		43.88		43.48	
CD (0.05)	Nitrogen (A) 0.44		Variety (B) 0.63		B within A 1.09		A within B 1.09	
Centres: Bilaspur, Gwalior, Indore, Kota, Powarkheda, Sagar, Udaipur								

Table 5.1. Peninsular Zone		IR-TS-TAD-DOS		Pooled		2012-13	
Variety	Time of sowing				Mean	Rk	
	Timely	Rk	Late	Rk			
Yield, q/ha							
WHD 948 (dlc)	38.92	2	30.35	7	34.63	3	
MACS 6478	37.43	5	30.74	4	34.09	6	
MACS 6222 (c)	38.60	3	30.47	5	34.53	5	
NIDW 295 (dc)	36.91	7	30.45	6	33.68	7	
UAS 428 (dc)	39.20	1	31.83	2	35.52	1	
UAS 334	37.34	6	33.08	1	35.21	2	
GW 322 (c)	38.30	4	30.89	3	34.60	4	
Mean	38.10		31.12		34.61		
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B		
	0.93		NS	NS	NS		
Earhead/sq.m.							
WHD 948 (dlc)	359	1	305	3	332	1	
MACS 6478	334	3	314	1	324	2	
MACS 6222 (c)	312	6	282	7	297	6	
NIDW 295 (dc)	328	5	294	5	311	5	
UAS 428 (dc)	335	2	299	4	317	4	
UAS 334	331	4	306	2	319	3	
GW 322 (c)	298	7	285	6	291	7	
Mean	328		298		313		
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B		
	11.56		12.91	NS	NS		
Grains/Earhead							
WHD 948 (dlc)	26.94	7	24.26	7	25.60	7	
MACS 6478	30.31	5	25.34	6	27.82	6	
MACS 6222 (c)	33.56	2	27.95	3	30.76	2	
NIDW 295 (dc)	30.35	4	26.48	5	28.42	5	
UAS 428 (dc)	29.99	6	26.94	4	28.47	4	
UAS 334	30.72	3	28.64	2	29.68	3	
GW 322 (c)	37.87	1	28.99	1	33.43	1	
Mean	31.39		26.94		29.17		
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B		
	1.43		2.00	2.83	2.98		
1000 Grains weight, g							
WHD 948 (dlc)	43.44	1	45.01	1	44.22	1	
MACS 6478	38.59	4	40.73	3	39.66	4	
MACS 6222 (c)	38.38	6	40.31	5	39.34	5	
NIDW 295 (dc)	38.89	3	41.04	2	39.97	3	
UAS 428 (dc)	40.78	2	40.58	4	40.68	2	
UAS 334	38.41	5	39.82	6	39.11	6	
GW 322 (c)	35.90	7	38.99	7	37.45	7	
Mean	39.20		40.92		40.06		
CD (0.05)	Sowing (A)		Variety (B)	B within A	A within B		
	0.49		0.60	0.85	0.93		
Centres: Dharwad, Niphad, Pune, Washim							

Table 5.2. Peninsular Zone IR-LS-TAS-DOS Pooled 2012-13

Variety	Time of sowing		Yield, q/ha		Mean	Rk
	Late	Rk	Very Late	Rk		
HD 3090	34.84	2	29.96	3	32.40	4
GW 432	34.54	3	30.94	1	32.74	1
RAJ 4083(c)	33.43	7	29.00	6	31.22	7
GW322(c)	34.21	5	28.60	7	31.40	6
NIAW 34(c)	33.47	6	29.35	5	31.41	5
HD 2932(c)	34.32	4	30.52	2	32.42	3
HD 3093	35.16	1	29.72	4	32.44	2
Mean	34.28		29.73		32.00	
CD (0.05)	Sowing (A) 0.79		Variety (B) NS	B within A NS	A within B NS	
Earhead/sq.m.						
HD 3090	277	7	258	7	267	7
GW 432	295	4	297	2	296	3
RAJ 4083(c)	306	2	266	6	286	5
GW322(c)	282	6	283	3	282	6
NIAW 34(c)	321	1	280	4	300	1
HD 2932(c)	295	5	304	1	300	2
HD 3093	299	3	279	5	289	4
Mean	296		281		289	
CD (0.05)	Sowing (A) 7.31		Variety (B) 15.53	B within A 21.97	A within B 21.61	
Grains/Earhead						
HD 3090	32.03	1	33.80	1	32.91	1
GW 432	28.24	6	29.10	6	28.67	7
RAJ 4083(c)	29.62	4	33.25	2	31.43	3
GW322(c)	31.95	2	32.35	3	32.15	2
NIAW 34(c)	28.08	7	30.61	5	29.34	5
HD 2932(c)	29.46	5	28.99	7	29.23	6
HD 3093	31.63	3	30.92	4	31.28	4
Mean	30.15		31.29		30.72	
CD (0.05)	Sowing (A) NS		Variety (B) 2.04	B within A NS	A within B NS	
1000 Grains weight, g						
HD 3090	43.40	2	38.20	5	40.80	2
GW 432	45.68	1	40.85	1	43.27	1
RAJ 4083(c)	41.86	5	36.41	6	39.14	6
GW322(c)	41.18	6	36.07	7	38.63	7
NIAW 34(c)	40.84	7	38.45	4	39.64	5
HD 2932(c)	42.09	4	39.09	2	40.59	3
HD 3093	42.15	3	38.88	3	40.51	4
Mean	42.46		38.28		40.37	
CD (0.05)	Sowing (A) 1.03		Variety (B) 1.08	B within A 1.52	A within B 1.75	

Centres: Akola, Dharwad, Niphad, Washim

Table 5.3. Peninsular Zone RIR-TS-TAD Pooled 2012-13

Variety	Number of irrigation				Pooled		Mean	Rk
	No	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NI 5439 (c)	19.00	1	25.04	1	30.46	2	24.83	1
NIAW 1415(c)	16.98	2	22.78	2	31.38	1	23.71	2
DBW 93	16.81	3	22.59	3	28.37	4	22.59	3
AKDW 2997-16 (dc)	16.41	4	21.87	4	28.47	3	22.25	4
Mean	17.30		23.07		29.67		23.35	
CD (0.05)	Irrigation (A) 0.53		Variety (B) 0.83		B within A 1.44		A within B 1.35	
Earhead/sq.m.								
NI 5439 (c)	249	1	308	1	312	1	290	1
NIAW 1415(c)	222	3	253	4	286	2	254	3
DBW 93	229	2	274	2	277	3	260	2
AKDW 2997-16 (dc)	218	4	264	3	269	4	250	4
Mean	229		275		286		263	
CD (0.05)	Irrigation (A) 4.56		Variety (B) 7.07		B within A 12.24		A within B 11.54	
Grains/Earhead								
NI 5439 (c)	24.37	1	23.98	3	26.73	3	25.03	3
NIAW 1415(c)	23.09	3	27.23	1	29.24	2	26.52	2
DBW 93	23.76	2	26.12	2	29.88	1	26.58	1
AKDW 2997-16 (dc)	21.45	4	21.54	4	26.32	4	23.10	4
Mean	23.17		24.72		28.04		25.31	
CD (0.05)	Irrigation (A) 0.67		Variety (B) 1.27		B within A 2.19		A within B 2.01	
1000 Grains weight, g								
NI 5439 (c)	33.69	4	35.78	2	38.53	3	36.00	3
NIAW 1415(c)	35.14	2	34.49	3	39.97	2	36.53	2
DBW 93	33.73	3	34.19	4	36.43	4	34.78	4
AKDW 2997-16 (dc)	37.11	1	40.56	1	42.78	1	40.15	1
Mean	34.92		36.26		39.43		36.87	
CD (0.05)	Irrigation (A) 0.33		Variety (B) 0.55		B within A 0.95		A within B 0.89	

Centres: Dharwad, Niphad, Pune, Washim

Table 5.4. Peninsular Zone RF-TAD-LON Pooled 2012-13

Variety	Nitrogen level, kg/ha				Pooled		2012-13	
	40	Rk	60	Rk	80	Rk	Mean	Rk
Yield, q/ha								
NI 5439 (c)	14.78	1	15.57	1	17.79	1	16.05	1
NIAW 1415(c)	12.88	3	14.58	2	15.91	2	14.46	2
DBW 93	13.51	2	13.90	3	14.82	3	14.08	3
AKDW 2997-16 (dc)	12.69	4	13.75	4	13.79	4	13.41	4
Mean	13.47		14.45		15.58		14.50	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	0.51		0.71		NS		NS	
Earhead/sq.m.								
NI 5439 (c)	220	1	239	1	268	1	242	1
NIAW 1415(c)	188	4	201	4	215	2	201	3
DBW 93	198	3	205	2	212	3	205	2
AKDW 2997-16 (dc)	204	2	205	3	194	4	201	4
Mean	202		213		222		212	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	8.87		6.86		11.89		13.59	
Grains/Earhead								
NI 5439 (c)	21.45	3	20.28	2	20.07	3	20.60	3
NIAW 1415(c)	21.54	2	19.94	3	21.40	1	20.96	2
DBW 93	23.07	1	20.81	1	21.04	2	21.64	1
AKDW 2997-16 (dc)	17.09	4	17.83	4	19.99	4	18.30	4
Mean	20.79		19.71		20.63		20.38	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	NS		1.24		NS		NS	
1000 Grains weight, g								
NI 5439 (c)	32.05	3	33.74	3	35.25	3	33.68	3
NIAW 1415(c)	32.64	2	36.77	2	35.56	2	34.99	2
DBW 93	31.67	4	33.43	4	33.86	4	32.99	4
AKDW 2997-16 (dc)	36.79	1	38.59	1	35.67	1	37.02	1
Mean	33.29		35.63		35.09		34.67	
CD (0.05)	Nitrogen (A)		Variety (B)		B within A		A within B	
	0.50		0.50		0.86		0.90	

Centres: Dharwad, Niphad, Pune, Washim

Table 6.1. Southern Hills Zone RIR-TS/LS-TAS Wellington 2012-13

Variety	Number of Irrigations						Mean	Rk
	No	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HW 5224	33.93	2	34.67	2	40.40	1	36.33	2
HW 5216(l)	32.37	3	31.87	4	36.87	4	33.70	3
HW 2044 (c)	30.30	4	32.80	3	37.73	3	33.61	4
CoW (W) 1(c)	35.03	1	35.00	1	39.17	2	36.40	1
MEAN	32.91		33.58		38.54		35.01	
CD (.05)	Irrigation (A)		Variety(B)		B within A		A within B	
	2.55		2.24		NS		NS	
Earhead/sq.m.								
HW 5224	379	1	389	4	441	3	403	3
HW 5216(l)	352	4	399	3	441	4	397	4
HW 2044 (c)	371	3	406	2	453	2	410	2
CoW (W) 1(c)	375	2	418	1	461	1	418	1
MEAN	369		403		449		407	
CD (.05)	Irrigation (A)		Variety(B)		B within A		A within B	
	8.49		8.35		14.46		14.08	
Grains/Earhead								
HW 5224	25.86	3	25.20	1	24.57	1	25.21	1
HW 5216(l)	28.17	1	21.47	2	18.22	4	22.62	3
HW 2044 (c)	24.04	4	19.38	4	18.93	3	20.79	4
CoW (W) 1(c)	27.38	2	20.68	3	20.32	2	22.79	2
MEAN	26.36		21.68		20.51		22.85	
CD (.05)	Irrigation (A)		Variety(B)		B within A		A within B	
	1.21		1.61		2.79		2.59	
1000 Grains Weight, g								
HW 5224	34.67	1	35.33	4	37.33	4	35.78	4
HW 5216(l)	32.67	4	37.33	3	46.00	1	38.67	3
HW 2044 (c)	34.00	2	42.00	1	44.00	2	40.00	1
CoW (W) 1(c)	34.00	2	40.67	2	42.00	3	38.89	2
MEAN	33.83		38.83		42.33		38.33	
CD (.05)	Irrigation (A)		Variety(B)		B within A		A within B	
	2.74		1.98		3.43		3.62	
Date Sowing: 02.12.2012					Date of Harvesting: 10.04.2013			