

Genotype	RIR-TS-TAD				Centrewise				Yield, q/ha				2020-21			
	Dharwad				Pune				Zonal Mean							
	Irrigation levels															
	Zero	One	Two	Mean	Zero	One	Two	Mean	Zero	One	Two	Mean				
MP1358	19.51	34.10	32.15	28.59	37.70	37.11	34.83	36.55	28.61	35.61	33.49	32.57				
AKDW2997-16(d) (C)	20.76	30.69	33.26	28.24	25.16	23.79	24.31	24.42	22.96	27.24	28.79	26.33				
HI1605 (C)	19.93	31.24	29.37	26.85	34.70	34.04	21.67	30.14	27.32	32.64	25.52	28.49				
NIAW3170 (C)	20.49	28.75	28.54	25.93	32.56	28.78	32.25	31.20	26.52	28.77	30.40	28.56				
NIDW1149(d) (C)	23.79	28.60	33.89	28.76	30.82	26.76	29.81	29.13	27.31	27.68	31.85	28.94				
UAS446(d) (C)	17.99	22.64	21.25	20.62	28.37	29.14	30.25	29.25	23.18	25.89	25.75	24.94				
Mean	20.41	29.34	29.75	26.50	31.55	29.94	28.85	30.11	25.98	29.64	29.30	28.31				
	CD (0.05)				CD (0.05)				CD (0.05)							
Irrigation (A)	6.62				3.03				2.44							
Genotype (B)	3.21				3.36				1.90							
B within A	NS				5.82				3.29							
A within B	NS				5.76				3.83							
Date of Sowing:	10.11.2020				06.11.2020											
Date of Harvesting:	05.03.2021	10.03.2021	15.03.2021					23.02.2021								

Table 5.2. Peninsular Zone			RIR-TS-TAD		Pooled	2020-21		
Genotype	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
MP1358	28.61	1	35.61	1	33.49	1	32.57	1
AKDW2997-16(d) (C)	22.96	6	27.24	5	28.79	4	26.33	5
HI1605 (C)	27.32	2	32.64	2	25.52	6	28.49	4
NIAW3170 (C)	26.52	4	28.77	3	30.40	3	28.56	3
NIDW1149(d) (C)	27.31	3	27.68	4	31.85	2	28.94	2
UAS446(d) (C)	23.18	5	25.89	6	25.75	5	24.94	6
Mean	25.98		29.64		29.30		28.31	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	2.44		1.90		3.29		3.83	
Earheads/sqm								
MP1358	204	5	273	5	270	5	249	5
AKDW2997-16(d) (C)	200	6	276	4	288	1	255	4
HI1605 (C)	220	3	279	3	282	3	260	3
NIAW3170 (C)	215	4	283	2	283	2	260	2
NIDW1149(d) (C)	225	2	232	6	223	6	227	6
UAS446(d) (C)	227	1	288	1	281	4	265	1
Mean	215		272		271		253	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	9.20		13.95		24.16		23.78	
Grains/Earhead								
MP1358	37.01	1	35.67	1	32.36	2	35.01	1
AKDW2997-16(d) (C)	32.59	4	28.42	4	30.17	3	30.39	4
HI1605 (C)	34.75	2	34.72	2	25.23	6	31.57	2
NIAW3170 (C)	32.92	3	26.84	5	26.86	4	28.87	5
NIDW1149(d) (C)	30.45	5	28.86	3	34.56	1	31.29	3
UAS446(d) (C)	28.89	6	24.39	6	26.55	5	26.61	6
Mean	32.77		29.82		29.29		30.62	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	2.97		2.87		4.98		5.38	
1000 Grains Weight, g								
MP1358	37.90	2	38.56	3	39.61	3	38.69	3
AKDW2997-16(d) (C)	35.73	6	36.74	5	35.38	6	35.95	6
HI1605 (C)	36.42	4	35.69	6	37.67	4	36.59	4
NIAW3170 (C)	37.63	3	40.43	2	41.65	1	39.90	2
NIDW1149(d) (C)	40.85	1	41.99	1	41.56	2	41.46	1
UAS446(d) (C)	36.06	5	37.83	4	35.78	5	36.55	5
Mean	37.43		38.54		38.61		38.19	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.35		0.73		1.26		1.20	
Biomass, q/ha								
MP1358	51.01	5	75.80	3	101.12	2	75.98	2
AKDW2997-16(d) (C)	52.87	4	70.78	5	82.17	6	68.60	6
HI1605 (C)	52.94	3	82.91	1	106.23	1	80.69	1
NIAW3170 (C)	53.52	2	80.68	2	90.42	4	74.87	3
NIDW1149(d) (C)	54.95	1	71.40	4	84.29	5	70.21	4
UAS446(d) (C)	49.88	6	67.29	6	91.88	3	69.68	5
Mean	52.53		74.81		92.68		73.34	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	3.48		2.85		4.93		5.63	
Centres:	Dharwad, Pune							

Table 5.2.1. Peninsular Zone		RIR-TS-TAD		Dharwad		2020-21		
Genotype	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
MP1358	19.51	5	34.10	1	32.15	3	28.59	2
AKDW2997-16(d) (C)	20.76	2	30.69	3	33.26	2	28.24	3
HI1605 (C)	19.93	4	31.24	2	29.37	4	26.85	4
NIAW3170 (C)	20.49	3	28.75	4	28.54	5	25.93	5
NIDW1149(d) (C)	23.79	1	28.60	5	33.89	1	28.76	1
UAS446(d) (C)	17.99	6	22.64	6	21.25	6	20.62	6
Mean	20.41		29.34		29.75		26.50	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.69		6.62		27.02	
Genotype (B)	**		1.11		3.21		12.59	
B within A	N.S.		1.93		5.56			
A within B			2.44		7.04			
Earheads/sqm								
MP1358	175	1	207	4	220	2	201	1
AKDW2997-16(d) (C)	164	5	211	2	214	6	196	6
HI1605 (C)	166	4	210	3	222	1	199	2
NIAW3170 (C)	169	3	204	5	216	4	197	5
NIDW1149(d) (C)	172	2	204	5	217	3	198	4
UAS446(d) (C)	162	6	216	1	216	5	198	3
Mean	168		209		218		198	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.74		2.92		1.59	
Genotype (B)	N.S.		1.73		5.01		2.63	
B within A	*		3.00		8.67			
A within B			2.84		8.20			
Grains/Earhead								
MP1358	28.39	6	38.89	1	33.73	3	33.67	2
AKDW2997-16(d) (C)	32.01	3	34.98	3	37.20	1	34.73	1
HI1605 (C)	29.37	5	35.71	2	31.54	4	32.21	4
NIAW3170 (C)	33.71	1	32.33	4	30.05	5	32.03	5
NIDW1149(d) (C)	33.42	2	30.24	5	34.99	2	32.88	3
UAS446(d) (C)	29.69	4	25.28	6	23.41	6	26.13	6
Mean	31.10		32.90		31.82		31.94	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		1.82		7.14		24.17	
Genotype (B)	**		1.27		3.66		11.90	
B within A	*		2.19		6.34			
A within B			2.71		7.81			
1000 grains weight, g								
MP1358	39.07	4	42.38	3	43.39	3	41.61	2
AKDW2997-16(d) (C)	39.48	3	41.54	5	41.83	6	40.95	5
HI1605 (C)	40.84	2	41.67	4	41.87	5	41.46	3
NIAW3170 (C)	36.03	6	43.59	2	43.77	2	41.13	4
NIDW1149(d) (C)	41.43	1	46.28	1	44.61	1	44.11	1
UAS446(d) (C)	37.59	5	41.45	6	42.18	4	40.41	6
Mean	39.07		42.82		42.94		41.61	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.18		0.71		1.84	
Genotype (B)	**		0.40		1.16		2.90	
B within A	**		0.70		2.01			
A within B			0.66		1.91			

Biomass, q/ha								
MP1358	47.37	4	48.50	5	69.33	1	55.07	4
AKDW2997-16(d) (C)	45.42	5	56.83	4	57.33	6	53.19	5
HI1605 (C)	48.25	3	66.08	1	64.67	5	59.67	3
NIAW3170 (C)	55.17	1	63.67	2	66.02	4	61.62	1
NIDW1149(d) (C)	53.67	2	61.50	3	69.00	2	61.39	2
UAS446(d) (C)	35.08	6	44.83	6	67.67	3	49.19	6
Mean	47.49		56.90		65.67		56.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		1.07		4.19		7.98	
Genotype (B)	**		0.60		1.72		3.16	
B within A	**		1.03		2.98			
A within B			1.42		4.11			
Date of Sowing:					10.11.2020			
Date of Harvesting:			05.03.2021		10.03.2021		15.03.2021	

Table 5.2.2. Peninsular Zone								
Genotype	RIR-TS-TAD				Niphad		2020-21	
	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
MP1358	23.66	1	27.02	1	29.56	2	26.75	1
AKDW2997-16(d) (C)	20.26	3	22.40	4	24.81	4	22.49	4
HI1605 (C)	22.87	2	23.07	2	31.69	1	25.88	2
NIAW3170 (C)	19.50	4	22.61	3	29.38	3	23.83	3
NIDW1149(d) (C)	18.47	5	20.18	5	21.23	6	19.96	6
UAS446(d) (C)	17.83	6	18.93	6	23.57	5	20.11	5
Mean	20.43		22.37		26.09		23.17	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.13		4.42		20.63	
Genotype (B)	**		0.90		3.11		13.94	
B within A	N.S.		1.86		5.38			
A within B			2.04		5.89			
Earheads/sqm								
MP1358	271	3	390	1	480	1	387	1
AKDW2997-16(d) (C)	268	6	369	4	436	3	357	3
HI1605 (C)	295	2	379	2	432	4	369	2
NIAW3170 (C)	314	1	326	5	431	5	357	4
NIDW1149(d) (C)	279	5	373	3	380	6	344	6
UAS446(d) (C)	286	4	306	6	469	2	354	5
Mean	289		357		438		361	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		3.29		12.92		3.87	
Genotype (B)	**		6.15		17.75		5.10	
B within A	**		10.65		30.74			
A within B			10.26		29.63			
Grains/Earhead								
MP1358	21.13	1	17.51	2	15.18	3	17.94	1
AKDW2997-16(d) (C)	20.81	2	15.33	5	14.40	4	16.85	4
HI1605 (C)	20.02	3	15.82	4	17.90	1	17.92	2
NIAW3170 (C)	17.22	5	17.54	1	17.55	2	17.44	3
NIDW1149(d) (C)	18.90	4	14.06	6	14.24	5	15.73	5
UAS446(d) (C)	16.97	6	16.71	3	12.76	6	15.48	6
Mean	19.18		16.16		15.34		16.89	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.72		2.83		18.10	
Genotype (B)	N.S.		1.00		2.90		17.85	
B within A	N.S.		1.74		5.03			
A within B			1.74		5.04			

1000 grains weight, g								
MP1358	38.70	2	39.53	2	40.67	2	39.63	1
AKDW2997-16(d) (C)	36.54	5	39.60	1	39.60	3	38.58	3
HI1605 (C)	38.78	1	38.68	4	40.93	1	39.46	2
NIAW3170 (C)	37.21	3	39.51	3	38.97	6	38.56	4
NIDW1149(d) (C)	35.27	6	38.56	5	39.35	5	37.73	6
UAS446(d) (C)	36.60	4	37.28	6	39.50	4	37.80	5
Mean	37.18		38.86		39.84		38.63	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.33		1.30		3.64	
Genotype (B)	N.S.		0.67		1.94		5.22	
B within A	N.S.		1.16		3.36			
A within B			1.11		3.21			
Biomass, q/ha								
MP1358	30.29	1	34.58	1	37.84	2	34.24	1
AKDW2997-16(d) (C)	24.72	3	27.33	4	30.27	4	27.44	4
HI1605 (C)	28.81	2	29.07	2	39.93	1	32.60	2
NIAW3170 (C)	24.18	4	28.03	3	36.44	3	29.55	3
NIDW1149(d) (C)	22.17	5	24.21	5	25.47	6	23.95	6
UAS446(d) (C)	21.57	6	22.91	6	28.52	5	24.33	5
Mean	25.29		27.69		33.08		28.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.40		5.50		20.74	
Genotype (B)	**		1.33		3.84		13.91	
B within A	N.S.		2.30		6.65			
A within B			2.53		7.30			
Date of Sowing:					08.11.2020			
Date of Harvesting:			21.02.2021		28.02.2021		09.03.2021	

Table 5.2.3. Peninsular Zone	RIR-TS-TAD						Pune	2020-21	
	Irrigation levels							Mean	Rk
	Zero	Rk	One	Rk	Two	Rk			
Yield, q/ha									
MP1358	37.70	1	37.11	1	34.83	1	36.55	1	
AKDW2997-16(d) (C)	25.16	6	23.79	6	24.31	5	24.42	6	
HI1605 (C)	34.70	2	34.04	2	21.67	6	30.14	3	
NIAW3170 (C)	32.56	3	28.78	4	32.25	2	31.20	2	
NIDW1149(d) (C)	30.82	4	26.76	5	29.81	4	29.13	5	
UAS446(d) (C)	28.37	5	29.14	3	30.25	3	29.25	4	
Mean	31.55		29.94		28.85		30.11		
	F. Test		SEm		CD (0.05)		CV (%)		
Irrigation (A)	*		0.77		3.03		10.88		
Genotype (B)	**		1.16		3.36		11.60		
B within A	*		2.02		5.82				
A within B			2.00		5.76				
Earheads/sqm									
MP1358	233	6	338	5	320	5	297	5	
AKDW2997-16(d) (C)	237	5	342	4	362	1	313	4	
HI1605 (C)	273	3	348	3	342	4	321	3	
NIAW3170 (C)	260	4	362	1	350	2	324	2	
NIDW1149(d) (C)	278	2	260	6	228	6	256	6	
UAS446(d) (C)	292	1	360	2	347	3	333	1	
Mean	262		335		325		307		
	F. Test		SEm		CD (0.05)		CV (%)		
Irrigation (A)	**		6.95		27.30		9.60		
Genotype (B)	**		11.68		33.72		11.40		
B within A	*		20.23		58.41				
A within B			19.73		56.98				

Grains/Earhead								
MP1358	45.64	1	32.46	2	30.98	2	36.36	1
AKDW2997-16(d) (C)	33.17	3	21.86	5	23.13	5	26.05	5
HI1605 (C)	40.12	2	33.73	1	18.92	6	30.92	2
NIAW3170 (C)	32.13	4	21.35	6	23.68	4	25.72	6
NIDW1149(d) (C)	27.49	6	27.48	3	34.13	1	29.70	3
UAS446(d) (C)	28.09	5	23.50	4	29.70	3	27.10	4
Mean	34.44		26.73		26.76		29.31	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.33		5.23		19.30	
Genotype (B)	**		2.08		6.00		21.25	
B within A	*		3.60		10.39			
A within B			3.54		10.23			
1000 grains weight, g								
MP1358	36.73	3	34.73	3	35.83	3	35.77	3
AKDW2997-16(d) (C)	31.97	6	31.93	5	28.93	6	30.94	6
HI1605 (C)	32.00	5	29.70	6	33.47	4	31.72	5
NIAW3170 (C)	39.23	2	37.27	2	39.53	1	38.68	2
NIDW1149(d) (C)	40.27	1	37.70	1	38.50	2	38.82	1
UAS446(d) (C)	34.53	4	34.20	4	29.37	5	32.70	4
Mean	35.79		34.26		34.27		34.77	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.20		0.77		2.39	
Genotype (B)	**		0.46		1.34		4.00	
B within A	**		0.80		2.32			
A within B			0.76		2.19			
Biomass, q/ha								
MP1358	54.65	5	103.11	1	132.90	2	96.88	2
AKDW2997-16(d) (C)	60.31	2	84.72	5	107.00	5	84.01	5
HI1605 (C)	57.63	3	99.73	2	147.79	1	101.72	1
NIAW3170 (C)	51.87	6	97.70	3	114.83	4	88.13	4
NIDW1149(d) (C)	56.23	4	81.29	6	99.58	6	79.03	6
UAS446(d) (C)	64.67	1	89.75	4	116.09	3	90.17	3
Mean	57.56		92.72		119.70		89.99	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		2.42		9.50		11.40	
Genotype (B)	**		2.33		6.74		7.78	
B within A	**		4.04		11.67			
A within B			4.41		12.74			
Date of Sowing:					06.11.2020			
Date of Harvesting:			23.02.2021		23.02.2021		23.02.2021	

Genotype	RIR-TS-TAD						Washim	2020-21	
	Irrigation levels							Mean	Rk
	Zero	Rk	One	Rk	Two	Rk			
	Yield, q/ha								
MP1358	12.75	3	26.49	2	33.15	2	24.13	4	
AKDW2997-16(d) (C)	11.51	5	23.90	5	25.33	5	20.24	5	
HI1605 (C)	14.35	2	27.88	1	32.71	3	24.81	1	
NIAW3170 (C)	12.40	4	24.27	4	36.56	1	24.41	2	
NIDW1149(d) (C)	15.23	3	25.25	3	32.70	4	24.39	3	
UAS446(d) (C)	10.19	6	17.54	6	21.09	6	16.27	6	
Mean	12.74		24.14		30.26		22.38		
	F. Test		SEm		CD (0.05)		CV (%)		
Irrigation (A)	**		0.23		0.88		4.27		
Genotype (B)	**		0.52		1.51		7.01		
B within A	**		0.91		2.61				
A within B			0.86		2.47				

Earheads/sqm								
MP1358	77	1	81	3	83	3	80	2
AKDW2997-16(d) (C)	63	4	83	2	90	2	78	3
HI1605 (C)	70	3	81	4	83	3	78	4
NIAW3170 (C)	62	5	78	5	82	5	74	5
NIDW1149(d) (C)	49	6	52	6	54	6	52	6
UAS446(d) (C)	76	2	89	1	92	1	86	1
Mean	66		77		80		75	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.23		0.90		1.30	
Genotype (B)	**		0.77		2.23		3.11	
B within A	**		1.34		3.87			
A within B			1.24		3.59			
Date of Sowing:					30.10.2020			
Date of Harvesting:								