

Table 3.1. North Eastern Plains Zone

RIR-TS-TAS

Pooled

2019-20

Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	30.16	3	36.78	2	40.75	4	35.90	3
K 1317 (c)	29.35	5	35.72	5	40.12	5	35.06	5
HD 3171 (c)	28.64	6	35.93	4	39.64	6	34.74	6
DBW 252 (c)	29.95	4	35.37	6	41.82	3	35.71	4
HI 1612 (c)	31.15	1	36.93	1	42.39	1	36.82	1
HD 2888 (c)	30.55	2	36.41	3	41.96	2	36.31	2
MEAN	29.97		36.19		41.11		35.76	
CD (0.05)								
Irrigation (A)		Variety (B)		B within A		A within B		
0.71		0.90		NS		NS		
Earheads/sqm								
HD 3293	240	6	268	6	288	6	265	6
K 1317 (c)	250	3	285	1	305	1	280	1
HD 3171 (c)	252	1	281	3	304	2	279	3
DBW 252 (c)	242	5	275	5	300	4	273	5
HI 1612 (c)	251	2	283	2	303	3	279	2
HD 2888 (c)	248	4	278	4	299	5	275	4
Mean	247		278		300		275	
CD (0.05)								
Irrigation (A)		Variety (B)		B within A		A within B		
6.32		6.07		NS		NS		
Grains/Earhead								
HD 3293	31.64	2	32.96	1	33.45	3	32.68	1
K 1317 (c)	28.20	6	29.24	6	30.40	6	29.28	6
HD 3171 (c)	28.73	5	30.89	5	31.31	5	30.31	5
DBW 252 (c)	31.49	3	31.40	4	33.25	4	32.05	4
HI 1612 (c)	31.80	1	32.30	2	33.68	2	32.59	2
HD 2888 (c)	30.68	4	31.87	3	33.84	1	32.13	3
Mean	30.42		31.44		32.65		31.51	
CD (0.05)								
Irrigation (A)		Variety (B)		B within A		A within B		
0.88		1.24		NS		NS		
1000 Grains Weight, g								
HD 3293	41.84	2	43.57	1	44.37	1	43.26	1
K 1317 (c)	42.08	1	43.33	2	43.85	2	43.09	2
HD 3171 (c)	40.78	5	42.26	4	43.26	5	42.10	5
DBW 252 (c)	40.91	4	42.24	5	43.29	3	42.14	4
HI 1612 (c)	40.28	6	41.96	6	42.98	6	41.74	6
HD 2888 (c)	41.82	3	42.62	3	43.27	4	42.57	3
Mean	41.29		42.66		43.50		42.48	
CD (0.05)								
Irrigation (A)		Variety (B)		B within A		A within B		
0.31		0.55		NS		NS		
Centres: Burdwan, Coochbehar, Faizabad,IARI Pusa, Kalyani,Kanpur, Ranchi,RPCAUI Pusa, Sabour, Shillongani, Varanasi								

Table 3.1.1. North Eastern Plains Zone			RIR-TS-TAS		Burdwan		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	22.68	1	29.56	2	31.51	2	27.92	2
K 1317 (c)	20.78	2	27.63	3	29.01	4	25.81	3
HD 3171 (c)	15.70	5	22.42	5	28.26	6	22.13	6
DBW 252 (c)	15.26	6	22.11	6	30.00	3	22.46	5
HI 1612 (c)	20.26	3	30.05	1	33.64	1	27.99	1
HD 2888 (c)	18.26	4	25.57	4	28.33	5	24.05	4
Mean	18.82		26.23		30.13		25.06	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.31		1.23		5.31	
Genotype(B)	**		0.58		1.68		6.95	
B within A	*		1.01		2.90			
A within B			0.97		2.80			
Earheads/sqm								
HD 3293	243	1	277	2	280	2	267	2
K 1317 (c)	215	5	257	4	263	5	245	5
HD 3171 (c)	225	3	252	6	265	4	247	3
DBW 252 (c)	212	6	253	5	267	3	244	6
HI 1612 (c)	235	2	282	1	288	1	268	1
HD 2888 (c)	218	4	258	3	260	6	246	4
Mean	225		263		271		253	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		4.15		16.28		6.96	
Genotype(B)	*		6.80		19.64		8.07	
B within A	N.S.		11.78		34.02			
A within B			11.53		33.29			
Grains/Earhead								
HD 3293	21.6	2	24.1	3	24.1	4	23.3	3
K 1317 (c)	22.4	1	24.4	2	24.3	3	23.7	2
HD 3171 (c)	17.1	6	20.9	5	23.9	5	20.6	5
DBW 252 (c)	17.2	5	20.2	6	24.4	2	20.6	6
HI 1612 (c)	21.3	3	25.4	1	25.9	1	24.2	1
HD 2888 (c)	19.4	4	22.5	4	23.7	6	21.8	4
Mean	19.82		22.91		24.39		22.38	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.21		0.82		3.96	
Genotype(B)	**		0.43		1.25		5.79	
B within A	*		0.75		2.16			
A within B			0.71		2.06			
1000 Grains Weight, g								
HD 3293	43.20	1	44.41	1	46.67	1	44.76	1
K 1317 (c)	43.20	1	44.15	2	45.39	4	44.25	3
HD 3171 (c)	41.06	5	42.82	5	44.80	6	42.89	5
DBW 252 (c)	41.97	4	43.31	4	46.18	2	43.82	4
HI 1612 (c)	40.45	6	42.16	6	45.08	5	42.56	6
HD 2888 (c)	43.16	3	44.13	3	46.07	3	44.45	2
Mean	42.17		43.50		45.70		43.79	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.15		0.57		1.41	
Genotype(B)	**		0.36		1.05		2.49	
B within A	N.S.		0.63		1.82			
A within B			0.59		1.71			
Date of Sowing:			19.11.19					
Date of Harvesting:			05.03.20		11.03.20		13.03.20	

Table 3.1.2 North Eastern Plains Zone			RIR-TS-TAS		Coochbehar		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	30.33	3	39.13	1	42.87	1	37.44	2
K 1317 (c)	26.83	5	30.13	5	34.23	5	30.40	5
HD 3171 (c)	24.97	6	28.37	6	32.63	6	28.66	6
DBW 252 (c)	29.57	4	36.50	4	41.07	3	35.71	4
HI 1612 (c)	31.83	1	38.40	2	42.37	2	37.53	1
HD 2888 (c)	31.10	2	36.67	3	40.33	4	36.03	3
Mean	29.11		34.87		38.92		34.30	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.60		2.37		7.48	
Genotype(B)	**		1.55		4.47		13.54	
B within A	N.S.		2.68		7.74			
A within B			2.52		7.28			
Earheads/sqm								
HD 3293	215	3	227	3	254	2	232	2
K 1317 (c)	207	5	226	4	238	5	224	5
HD 3171 (c)	190	6	199	6	208	6	199	6
DBW 252 (c)	212	4	212	5	250	3	225	4
HI 1612 (c)	221	1	229	2	257	1	236	1
HD 2888 (c)	219	2	231	1	241	4	230	3
Mean	211		221		241		224	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		6.82		26.79		12.91	
Genotype(B)	N.S.		8.57		24.75		11.46	
B within A	N.S.		14.84		42.87			
A within B			15.17		43.82			
Grains/Earhead								
HD 3293	39.5	1	42.9	3	42.1	2	41.5	2
K 1317 (c)	34.2	6	33.3	6	35.6	6	34.4	6
HD 3171 (c)	35.8	5	36.3	5	39.7	5	37.3	5
DBW 252 (c)	38.6	4	43.7	2	41.8	3	41.4	3
HI 1612 (c)	39.2	2	44.2	1	41.2	4	41.5	1
HD 2888 (c)	38.7	3	41.2	4	42.4	1	40.8	4
Mean	37.66		40.26		40.47		39.46	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		1.62		6.35		17.40	
Genotype(B)	N.S.		2.77		8.00		21.07	
B within A	N.S.		4.80		13.86			
A within B			4.67		13.49			
1000 Grains Weight, g								
HD 3293	35.97	6	40.30	2	40.70	1	38.99	4
K 1317 (c)	38.43	1	40.10	3	40.50	3	39.68	1
HD 3171 (c)	37.33	3	39.32	5	40.54	2	39.06	3
DBW 252 (c)	36.67	5	40.77	1	40.07	5	39.17	2
HI 1612 (c)	36.70	4	39.67	4	40.33	4	38.90	5
HD 2888 (c)	37.86	2	39.07	6	39.53	6	38.82	6
Mean	37.16		39.87		40.28		39.10	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		0.43		1.68		4.65	
Genotype(B)	N.S.		0.87		2.51		6.68	
B within A	N.S.		1.51		4.36			
A within B			1.44		4.16			
Date of Sowing:			14.11.2019					
Date of Harvesting:			05.03.2020		10.03.2020		14.03.2020	

Table 3.1.3 North Eastern Plains Zone			RIR-TS-TAS		Faizabad		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	26.25	6	36.01	6	41.07	6	34.44	6
K 1317 (c)	27.86	3	37.00	3	42.52	4	35.79	4
HD 3171 (c)	30.54	2	41.01	2	46.01	2	39.19	2
DBW 252 (c)	31.84	1	44.05	1	50.00	1	41.96	1
HI 1612 (c)	26.89	5	36.29	5	41.53	5	34.90	5
HD 2888 (c)	27.78	4	36.71	4	43.06	3	35.85	3
Mean	28.53		38.51		44.03		37.02	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.88		3.47		10.14	
Genotype(B)	**		1.10		3.19		8.95	
B within A	N.S.		1.91		5.52			
A within B			1.96		5.65			
Earheads/sqm								
HD 3293	168	6	268	6	283	6	240	6
K 1317 (c)	190	4	292	3	316	4	266	3
HD 3171 (c)	198	2	304	2	334	2	278	2
DBW 252 (c)	208	1	319	1	355	1	294	1
HI 1612 (c)	174	5	284	5	297	5	252	5
HD 2888 (c)	191	3	285	4	320	3	265	4
Mean	188		292		317		266	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		3.35		13.15		5.35	
Genotype(B)	**		6.17		17.83		6.97	
B within A	N.S.		10.69		30.88			
A within B			10.32		29.80			
Grains/Earhead								
HD 3293	45.0	1	36.4	1	38.1	1	39.8	1
K 1317 (c)	41.4	4	33.6	5	34.5	3	36.5	5
HD 3171 (c)	43.1	3	34.9	2	34.3	5	37.4	3
DBW 252 (c)	41.0	5	34.7	3	34.4	4	36.7	4
HI 1612 (c)	44.6	2	33.7	4	36.4	2	38.2	2
HD 2888 (c)	40.4	6	33.2	6	34.3	6	35.9	6
Mean	42.59		34.41		35.32		37.44	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.86		3.37		9.74	
Genotype(B)	N.S.		1.63		4.70		13.04	
B within A	N.S.		2.82		8.14			
A within B			2.71		7.84			
1000 Grains Weight, g								
HD 3293	34.63	6	37.00	6	38.47	6	36.70	6
K 1317 (c)	35.47	4	37.77	5	39.27	4	37.50	4
HD 3171 (c)	36.20	2	38.73	3	40.20	2	38.38	2
DBW 252 (c)	37.33	1	40.00	1	41.27	1	39.53	1
HI 1612 (c)	35.20	5	37.87	4	38.70	5	37.26	5
HD 2888 (c)	36.20	2	38.87	2	39.30	3	38.12	3
Mean	35.84		38.37		39.53		37.91	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.09		0.36		1.03	
Genotype(B)	**		0.16		0.46		1.25	
B within A	N.S.		0.27		0.79			
A within B			0.27		0.77			
Date of Sowing:			23.11.2019					
Date of Harvesting:			20.03.2020		26.03.2020		29.03.2020	

Table 3.1.4 North Eastern Plains Zone			RIR-TS-TAS		IARI Pusa		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	35.54	6	38.33	5	37.10	6	36.99	6
K 1317 (c)	36.37	3	39.88	4	40.32	5	38.86	5
HD 3171 (c)	37.96	1	47.54	1	41.25	3	42.25	1
DBW 252 (c)	35.97	4	37.70	6	44.05	1	39.24	4
HI 1612 (c)	36.94	2	40.50	3	41.31	2	39.58	3
HD 2888 (c)	35.54	5	43.08	2	40.87	4	39.83	2
Mean	36.39		41.17		40.82		39.46	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		1.52		5.96		16.32	
Genotype(B)	*		0.94		2.71		7.14	
B within A	N.S.		1.63		4.70			
A within B			2.12		6.13			
Earheads/sqm								
HD 3293	200	6	231	5	233	5	221	6
K 1317 (c)	244	1	270	1	264	1	259	1
HD 3171 (c)	216	3	235	4	222	6	224	5
DBW 252 (c)	221	2	215	6	259	2	232	3
HI 1612 (c)	211	4	237	3	253	3	234	2
HD 2888 (c)	206	5	241	2	241	4	229	4
Mean	216		238		245		233	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		6.48		25.44		11.79	
Genotype(B)	**		5.92		17.09		7.61	
B within A	N.S.		10.25		29.60			
A within B			11.38		32.87			
Grains/Earhead								
HD 3293	32.6	5	30.6	6	31.7	5	31.6	5
K 1317 (c)	28.9	6	31.2	5	30.6	6	30.2	6
HD 3171 (c)	41.3	1	45.8	1	39.1	1	42.1	1
DBW 252 (c)	34.7	4	35.4	4	33.9	4	34.6	4
HI 1612 (c)	40.1	2	37.4	3	35.6	3	37.7	3
HD 2888 (c)	35.3	3	41.7	2	36.3	2	37.8	2
Mean	35.48		36.99		34.55		35.67	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		0.41		1.61		4.86	
Genotype(B)	**		1.62		4.67		13.60	
B within A	N.S.		2.80		8.09			
A within B			2.59		7.48			
1000 Grains Weight, g								
HD 3293	54.67	1	54.37	1	50.52	1	53.19	1
K 1317 (c)	51.61	2	47.51	3	50.16	3	49.76	2
HD 3171 (c)	43.35	6	44.46	5	47.52	4	45.11	6
DBW 252 (c)	47.39	4	49.62	2	50.37	2	49.13	3
HI 1612 (c)	43.89	5	45.77	4	47.03	5	45.56	5
HD 2888 (c)	49.47	3	43.40	6	46.70	6	46.52	4
Mean	48.40		47.52		48.71		48.21	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.49		1.92		4.30	
Genotype(B)	**		0.98		2.83		6.10	
B within A	N.S.		1.70		4.90			
A within B			1.62		4.69			
Date of Sowing:			23.11.2019					
Date of Harvesting:			24.4.2020					

Table 3.1.5 North Eastern Plains Zone			RIR-TS-TAS		Kalyani		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	24.41	1	31.15	1	34.48	2	30.02	1
K 1317 (c)	21.98	5	27.06	3	35.68	1	28.24	3
HD 3171 (c)	19.56	6	25.03	6	31.39	5	25.33	5
DBW 252 (c)	22.11	4	25.07	5	34.17	3	27.12	4
HI 1612 (c)	22.79	2	25.26	4	27.16	6	25.07	6
HD 2888 (c)	22.28	3	30.45	2	33.89	4	28.87	2
Mean	22.19		27.34		32.80		27.44	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.89		3.48		13.69	
Genotype(B)	**		0.89		2.58		9.77	
B within A	N.S.		1.55		4.47			
A within B			1.67		4.82			
Earheads/sqm								
HD 3293	209	2	243	5	306	1	253	3
K 1317 (c)	231	1	245	4	264	6	247	5
HD 3171 (c)	200	5	233	6	274	5	236	6
DBW 252 (c)	194	6	266	1	304	2	255	1
HI 1612 (c)	209	3	260	3	287	4	252	4
HD 2888 (c)	201	4	264	2	296	3	254	2
Mean	207		252		289		249	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		14.35		56.36		24.44	
Genotype(B)	N.S.		11.09		32.01		13.35	
B within A	N.S.		19.20		55.45			
A within B			22.66		65.42			
Grains/Earhead								
HD 3293	30.0	2	32.3	1	29.1	3	30.5	1
K 1317 (c)	24.6	6	25.9	4	33.9	1	28.1	3
HD 3171 (c)	27.9	5	26.4	3	31.8	2	28.7	2
DBW 252 (c)	32.3	1	24.5	6	26.5	4	27.8	4
HI 1612 (c)	29.7	3	24.5	5	22.4	6	25.5	6
HD 2888 (c)	28.5	4	26.9	2	25.6	5	27.0	5
Mean	28.85		26.75		28.20		27.93	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		1.91		7.49		28.97	
Genotype(B)	N.S.		1.68		4.86		18.09	
B within A	N.S.		2.92		8.42			
A within B			3.28		9.46			
1000 Grains Weight, g								
HD 3293	39.17	2	40.07	4	41.05	4	40.09	3
K 1317 (c)	39.00	3	43.03	2	40.40	5	40.81	2
HD 3171 (c)	35.73	6	40.63	3	37.73	6	38.03	6
DBW 252 (c)	35.90	5	38.60	6	43.53	2	39.34	5
HI 1612 (c)	37.17	4	39.67	5	43.04	3	39.96	4
HD 2888 (c)	39.23	1	44.30	1	45.20	1	42.91	1
Mean	37.70		41.05		41.83		40.19	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.14		0.55		1.48	
Genotype(B)	*		0.91		2.64		6.81	
B within A	N.S.		1.58		4.57			
A within B			1.45		4.19			
Date of Sowing:			12.11.19					
Date of Harvesting:			18.03.2020		23.03.2020		25.03.2020	

Table 3.1.6 North Eastern Plains Zone			RIR-TS-TAS		Kanpur		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	29.32	5	39.19	3	48.75	6	39.09	5
K 1317 (c)	28.49	6	38.59	5	49.28	4	38.78	6
HD 3171 (c)	29.70	4	39.53	2	52.55	1	40.59	1
DBW 252 (c)	30.68	2	38.74	4	49.19	5	39.54	4
HI 1612 (c)	30.55	3	39.53	1	50.72	3	40.27	3
HD 2888 (c)	32.03	1	37.68	6	51.44	2	40.38	2
Mean	30.13		38.88		50.32		39.78	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.29		1.12		3.05	
Genotype(B)	N.S.		0.56		1.63		4.25	
B within A	N.S.		0.98		2.82			
A within B			0.94		2.70			
Earheads/sqm								
HD 3293	328	4	349	3	359	3	345	3
K 1317 (c)	299	6	359	1	363	1	340	6
HD 3171 (c)	318	5	355	2	362	2	345	4
DBW 252 (c)	339	2	343	5	358	4	347	1
HI 1612 (c)	331	3	349	3	356	5	345	2
HD 2888 (c)	344	1	336	6	343	6	341	5
Mean	326		348		357		344	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		2.19		8.61		2.71	
Genotype(B)	N.S.		2.10		6.06		1.83	
B within A	**		3.63		10.49			
A within B			3.98		11.48			
Grains/Earhead								
HD 3293	25.8	1	28.7	2	32.6	6	29.0	3
K 1317 (c)	25.2	2	26.5	6	32.6	5	28.1	6
HD 3171 (c)	24.6	3	27.6	5	34.0	3	28.7	4
DBW 252 (c)	22.9	6	28.1	3	33.9	4	28.3	5
HI 1612 (c)	24.1	4	29.2	1	35.0	2	29.4	1
HD 2888 (c)	23.7	5	27.8	4	36.0	1	29.2	2
Mean	24.37		27.97		34.02		28.79	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.30		1.18		4.45	
Genotype(B)	N.S.		0.49		1.40		5.06	
B within A	N.S.		0.84		2.43			
A within B			0.82		2.38			
1000 Grains Weight, g								
HD 3293	34.74	6	39.24	5	41.76	2	38.58	6
K 1317 (c)	37.83	5	40.62	1	41.65	3	40.04	4
HD 3171 (c)	38.15	4	40.47	2	42.73	1	40.45	1
DBW 252 (c)	39.54	1	40.15	4	40.61	6	40.10	3
HI 1612 (c)	38.37	3	38.88	6	40.64	5	39.30	5
HD 2888 (c)	39.31	2	40.31	3	41.63	4	40.41	2
Mean	37.99		39.95		41.50		39.81	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.16		0.63		1.72	
Genotype(B)	**		0.37		1.07		2.80	
B within A	**		0.64		1.86			
A within B			0.61		1.76			
Date of Sowing:			02.12.2019					
Date of Harvesting:			24.04.2020					

Table 3.1.7 North Eastern Plains Zone			RIR-TS-TAS		Ranchi		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	51.87	4	52.37	4	55.53	4	53.26	5
K 1317 (c)	58.53	1	58.57	1	54.97	5	57.36	1
HD 3171 (c)	47.83	6	47.73	6	47.30	6	47.62	6
DBW 252 (c)	53.33	3	52.93	3	55.97	2	54.08	2
HI 1612 (c)	53.67	2	50.07	5	58.00	1	53.91	3
HD 2888 (c)	50.67	5	54.70	2	55.93	3	53.77	4
Mean	52.65		52.73		54.62		53.33	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.96		3.75		7.60	
Genotype(B)	**		1.14		3.28		6.40	
B within A	N.S.		1.97		5.69			
A within B			2.04		5.88			
Earheads/sqm								
HD 3293	323	6	300	6	307	6	310	6
K 1317 (c)	375	1	377	1	433	2	395	2
HD 3171 (c)	333	4	347	3	390	4	357	4
DBW 252 (c)	330	5	310	5	317	5	319	5
HI 1612 (c)	340	3	347	3	417	3	368	3
HD 2888 (c)	363	2	370	2	457	1	397	1
Mean	344		342		387		358	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		14.93		58.59		17.71	
Genotype(B)	**		14.68		42.38		12.32	
B within A	N.S.		25.42		73.41			
A within B			27.59		79.68			
Grains/Earhead								
HD 3293	37.9	2	39.9	2	40.1	2	39.3	2
K 1317 (c)	35.4	3	34.9	3	27.8	5	32.7	4
HD 3171 (c)	31.8	5	30.8	6	28.8	4	30.4	5
DBW 252 (c)	39.7	1	40.7	1	40.3	1	40.2	1
HI 1612 (c)	34.9	4	32.4	4	31.1	3	32.8	3
HD 2888 (c)	31.1	6	32.0	5	25.7	6	29.6	6
Mean	35.12		35.12		32.30		34.18	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		1.49		5.83		18.45	
Genotype(B)	**		1.53		4.43		13.46	
B within A	N.S.		2.66		7.67			
A within B			2.84		8.21			
1000 Grains Weight, g								
HD 3293	42.87	5	44.47	5	45.60	3	44.31	5
K 1317 (c)	44.43	4	44.67	4	46.23	2	45.11	3
HD 3171 (c)	45.17	2	45.03	3	43.23	6	44.48	4
DBW 252 (c)	41.07	6	42.13	6	44.80	5	42.67	6
HI 1612 (c)	45.17	2	46.03	2	45.13	4	45.44	2
HD 2888 (c)	45.80	1	46.53	1	48.83	1	47.06	1
Mean	44.08		44.81		45.64		44.84	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		0.25		0.97		2.34	
Genotype(B)	**		0.35		1.00		2.32	
B within A	**		0.60		1.74			
A within B			0.60		1.74			
Date of Sowing:			14.11.19					
Date of Harvesting:			01.4.20		05.04.20		07.04.20	

Table 3.1.8 North Eastern Plains Zone			RIR-TS-TAS		RPCAU Pusa		2019-20	
Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	27.49	5	34.25	5	38.61	5	33.45	5
K 1317 (c)	30.08	2	38.89	2	42.97	2	37.31	2
HD 3171 (c)	31.72	1	39.42	1	44.35	1	38.50	1
DBW 252 (c)	26.68	6	32.75	6	36.72	6	32.05	6
HI 1612 (c)	29.25	3	36.48	3	40.85	3	35.53	3
HD 2888 (c)	28.65	4	35.52	4	39.72	4	34.63	4
Mean	28.98		36.22		40.54		35.24	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.86		3.39		10.40	
Genotype(B)	**		0.66		1.92		5.66	
B within A	N.S.		1.15		3.32			
A within B			1.36		3.93			
Earheads/sqm								
HD 3293	302	5	326	5	340	5	323	5
K 1317 (c)	306	2	331	2	348	2	328	2
HD 3171 (c)	309	1	335	1	351	1	332	1
DBW 252 (c)	301	6	324	6	339	6	321	6
HI 1612 (c)	304	3	329	3	343	3	325	3
HD 2888 (c)	303	4	327	4	341	4	324	4
Mean	304		329		344		326	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.30		1.18		0.39	
Genotype(B)	**		0.91		2.64		0.84	
B within A	N.S.		1.58		4.57			
A within B			1.48		4.26			
Grains/Earhead								
HD 3293	24.9	5	27.7	5	29.0	5	27.2	5
K 1317 (c)	25.6	3	29.6	1	30.4	2	28.5	2
HD 3171 (c)	26.1	1	29.2	2	30.8	1	28.7	1
DBW 252 (c)	24.8	6	27.3	6	28.0	6	26.7	6
HI 1612 (c)	25.4	4	28.5	4	29.5	4	27.8	4
HD 2888 (c)	25.8	2	28.6	3	29.5	3	28.0	3
Mean	25.46		28.47		29.54		27.82	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		0.72		2.82		10.94	
Genotype(B)	N.S.		0.62		1.78		6.66	
B within A	N.S.		1.07		3.09			
A within B			1.21		3.50			
1000 Grains Weight, g								
HD 3293	36.49	5	37.95	5	39.23	5	37.89	5
K 1317 (c)	38.42	2	39.79	2	40.68	2	39.63	2
HD 3171 (c)	39.31	1	40.41	1	40.97	1	40.23	1
DBW 252 (c)	35.66	6	37.08	6	38.67	6	37.14	6
HI 1612 (c)	37.98	3	38.87	3	40.35	3	39.07	3
HD 2888 (c)	36.64	4	38.01	4	39.41	4	38.02	4
Mean	37.42		38.69		39.89		38.66	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.10		0.38		1.06	
Genotype(B)	**		0.33		0.94		2.54	
B within A	N.S.		0.57		1.63			
A within B			0.53		1.52			
Date of Sowing:			29.11.2019					
Date of Harvesting:			07.04.2020		10.04.2020		12.04.2020	

Table 3.1.9 North Eastern Plains Zone

RIR-TS-TAS

Sabour

2019-20

Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	27.65	5	31.33	5	32.36	5	30.45	5
K 1317 (c)	24.69	6	28.26	6	29.28	6	27.41	6
HD 3171 (c)	35.63	1	38.70	1	41.17	1	38.50	1
DBW 252 (c)	32.28	2	36.33	2	39.56	2	36.06	2
HI 1612 (c)	31.96	3	35.53	3	37.37	3	34.95	3
HD 2888 (c)	29.78	4	32.99	4	34.67	4	32.48	4
Mean	30.33		33.86		35.74		33.31	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.57		2.22		7.21	
Genotype(B)	**		1.90		5.50		17.15	
B within A	N.S.		3.30		9.52			
A within B			3.06		8.85			
Earheads/sqm								
HD 3293	290	5	328	5	330	5	316	5
K 1317 (c)	285	6	319	6	328	6	311	6
HD 3171 (c)	331	1	357	1	363	1	350	1
DBW 252 (c)	325	2	355	2	361	2	347	2
HI 1612 (c)	308	3	342	3	349	3	333	3
HD 2888 (c)	297	4	338	4	343	4	326	4
Mean	306		340		346		331	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		4.62		18.13		5.93	
Genotype(B)	**		3.94		11.38		3.58	
B within A	N.S.		6.83		19.71			
A within B			7.76		22.40			
Grains/Earhead								
HD 3293	25.3	5	24.6	5	25.1	5	25.0	5
K 1317 (c)	23.1	6	23.0	6	22.8	6	22.9	6
HD 3171 (c)	27.5	3	27.3	1	28.2	2	27.7	1
DBW 252 (c)	26.1	4	26.0	3	28.7	1	26.9	3
HI 1612 (c)	27.9	2	26.4	2	27.0	3	27.1	2
HD 2888 (c)	28.0	1	25.6	4	26.1	4	26.6	4
Mean	26.32		25.48		26.30		26.03	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.62		2.45		10.17	
Genotype(B)	N.S.		1.79		5.16		20.58	
B within A	N.S.		3.09		8.93			
A within B			2.89		8.35			
1000 Grains Weight, g								
HD 3293	37.33	5	39.00	4	40.00	2	38.78	3
K 1317 (c)	37.67	3	39.00	4	39.00	4	38.56	5
HD 3171 (c)	39.67	1	40.67	1	40.33	1	40.22	1
DBW 252 (c)	38.33	2	39.33	2	38.67	5	38.78	3
HI 1612 (c)	37.67	3	39.33	2	39.67	3	38.89	2
HD 2888 (c)	36.00	6	38.33	6	38.67	5	37.67	6
Mean	37.78		39.28		39.39		38.81	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.57		2.24		6.25	
Genotype(B)	N.S.		0.96		2.78		7.44	
B within A	N.S.		1.67		4.81			
A within B			1.63		4.69			
Date of Sowing:			14.11.2019					
Date of Harvesting:			5.04.2020		8.04.2020		12.04.2020	

Table 3.1.10 North Eastern Plains Zone RIR-TS-TAS Shillongani 2019-20

Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	24.87	4	37.58	2	46.31	2	36.25	3
K 1317 (c)	18.65	5	34.73	3	36.23	5	29.87	5
HD 3171 (c)	16.81	6	31.00	6	33.81	6	27.20	6
DBW 252 (c)	26.34	3	33.91	5	42.05	4	34.10	4
HI 1612 (c)	29.19	2	40.01	1	44.90	3	38.04	1
HD 2888 (c)	30.60	1	34.19	4	47.32	1	37.37	2
Mean	24.41		35.24		41.77		33.81	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.64		2.52		8.06	
Genotype(B)	**		0.85		2.45		7.53	
B within A	**		1.47		4.25			
A within B			1.49		4.30			
Earheads/sqm								
HD 3293	126	6	153	6	173	6	151	6
K 1317 (c)	156	4	202	2	234	1	197	1
HD 3171 (c)	162	3	210	1	212	2	195	2
DBW 252 (c)	130	5	181	4	193	4	168	5
HI 1612 (c)	177	1	182	3	193	5	184	3
HD 2888 (c)	163	2	175	5	201	3	180	4
Mean	152		184		201		179	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		2.56		10.05		6.07	
Genotype(B)	**		3.32		9.58		5.56	
B within A	**		5.75		16.60			
A within B			5.84		16.86			
Grains/Earhead								
HD 3293	38.2	2	46.6	2	50.6	2	45.1	1
K 1317 (c)	25.2	5	34.6	5	31.4	6	30.4	5
HD 3171 (c)	21.5	6	31.7	6	33.1	5	28.7	6
DBW 252 (c)	41.3	1	39.7	4	45.2	4	42.1	4
HI 1612 (c)	35.0	4	47.1	1	50.4	3	44.2	2
HD 2888 (c)	38.2	3	40.9	3	51.6	1	43.6	3
Mean	33.22		40.07		43.72		39.00	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.89		3.48		9.63	
Genotype(B)	**		1.15		3.32		8.85	
B within A	*		1.99		5.76			
A within B			2.02		5.84			
1000 Grains Weight, g								
HD 3293	51.70	1	52.88	1	53.23	1	52.60	1
K 1317 (c)	47.40	5	49.84	2	49.38	2	48.87	2
HD 3171 (c)	48.38	4	46.80	5	48.15	4	47.78	4
DBW 252 (c)	48.76	3	47.33	4	48.37	3	48.15	3
HI 1612 (c)	47.27	6	46.79	6	46.76	5	46.94	6
HD 2888 (c)	49.28	2	47.88	3	45.69	6	47.62	5
Mean	48.80		48.59		48.60		48.66	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.66		2.58		5.72	
Genotype(B)	**		0.84		2.42		5.16	
B within A	N.S.		1.45		4.19			
A within B			1.48		4.27			
Date of Sowing:			13.11.2019					
Date of Harvesting:			17.03.2020		22.03.2020		24.03.2020	

Table 3.1.11 North Eastern Plains Zone RIR-TS-TAS Varanasi 2019-20

Genotypes	Irrigation levels						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
HD 3293	31.34	1	35.70	1	39.67	4	35.57	4
K 1317 (c)	28.56	4	32.13	5	46.81	2	35.83	3
HD 3171 (c)	24.59	6	34.51	2	37.29	6	32.13	5
DBW 252 (c)	25.39	5	28.96	6	37.29	5	30.54	6
HI 1612 (c)	29.35	2	34.11	3	48.39	1	37.29	1
HD 2888 (c)	29.35	2	32.92	4	46.01	3	36.10	2
Mean	28.10		33.06		42.58		34.58	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		0.80		3.16		9.87	
Genotype(B)	**		0.87		2.50		7.51	
B within A	**		1.50		4.33			
A within B			1.59		4.59			
Earheads/sqm								
HD 3293	234	4	251	5	304	3	263	4
K 1317 (c)	238	3	259	3	308	2	268	3
HD 3171 (c)	286	1	260	2	366	1	304	1
DBW 252 (c)	192	6	251	4	298	4	247	5
HI 1612 (c)	248	2	278	1	293	5	273	2
HD 2888 (c)	221	5	227	6	250	6	233	6
Mean	237		254		303		265	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	**		4.07		15.99		6.53	
Genotype(B)	**		4.26		12.30		4.83	
B within A	**		7.38		21.30			
A within B			7.87		22.73			
Grains/Earhead								
HD 3293	27.2	4	28.8	3	25.7	5	27.2	4
K 1317 (c)	24.3	5	24.8	6	30.6	3	26.6	5
HD 3171 (c)	19.5	6	29.1	2	20.6	6	23.1	6
DBW 252 (c)	27.9	2	25.1	5	28.7	4	27.2	3
HI 1612 (c)	27.4	3	26.4	4	35.9	2	29.9	2
HD 2888 (c)	28.2	1	30.3	1	41.0	1	33.2	1
Mean	25.75		27.43		30.40		27.86	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	*		0.56		2.18		8.48	
Genotype(B)	**		0.84		2.42		9.02	
B within A	**		1.45		4.19			
A within B			1.44		4.15			
1000 Grains Weight, g								
HD 3293	49.53	1	49.53	2	50.80	1	49.96	1
K 1317 (c)	49.47	2	50.20	1	49.67	2	49.78	2
HD 3171 (c)	44.26	5	45.53	6	49.63	3	46.48	4
DBW 252 (c)	47.37	3	46.27	5	43.67	6	45.77	5
HI 1612 (c)	43.20	6	46.53	4	46.07	4	45.27	6
HD 2888 (c)	47.07	4	47.97	3	44.93	5	46.66	3
Mean	46.82		47.67		47.46		47.32	
	F. Test		SEm		CD(0.05)		CV(%)	
Irrigation (A)	N.S.		0.35		1.39		3.18	
Genotype(B)	**		0.30		0.87		1.92	
B within A	**		0.52		1.51			
A within B			0.60		1.72			
Date of Sowing:			13.11.2019					
Date of Harvesting:			10.04.2020					