Table 4. Mean squares for agronomical traits for all genotypes during the two growing seasons under normal and water stress.

Source	DF	Mean squares					
		Number of Panicle / plant		Panicle Length (cm)		Panicle Thickness	
		2019	2020	2019	2020	2019	2020
Rep.	**2**	0.0448	0.4432	1.531	6.304	0.00658*	0.0749
Irrigation treatment (T)	**1**	128.7748**	131.985**	5460.887**	2264.267**	18.691**	25.761**
Error (a)	**2**	0.3709	0.0378	2.594	2.859	0.00000833	0.0106
Genotypes (G)	**19**	15.348**	12.0372**	22.215**	87.361**	0.3743**	0.24711**
Error (b)	**38**	0.1642	0.1370	2.536	1.910	0.0313	0.0220
G x T	**19**	1.459**	1.7792**	14.798**	13.192**	0.2259**	0.17134**
Error (c)	**38**	0.0829	0.1035	3.077	0.902	0.0190	0.0387

Table 4. Continued.

Source	DF	Mean squares					
		Panicle Weight / Plant (g)		Grain Yield / Plant (g)		1000 Grain weight (g)	
		2019	2020	2019	2020	2019	2020
Rep.	**2**	79.61	10.89	0.088	1.63	0.354	0.805
Irrigation treatment (T)	**1**	57825.52**	34494.61**	288.269**	446.293**	395.525**	411.700**
Error (a)	**2**	13.24	5.24	1.028	0.71	1.823	0.165
Genotypes (G)	**19**	11076.82**	11856.12**	8.576**	11.553**	1.790**	1.707**
Error (b)	**38**	115.77	10.52	0.385	0.57	0.318	0.310
G x T	**19**	323.54**	439.74**	0.969**	2.585**	0.662**	2.204**
Error (c)	**38**	96.55	18.95	0.321	0.50	0.416	0.357

* and ** Significant at 0.05 and 0.01 level of probability, respectively.

Table 5. Means of the panicles number/plant, reduction percentage (R%) and drought susceptibility index (DSI) for all genotypes during each season and over the two seasons under normal and water stress.

Seasons	2019					2020					Average				
Genotypes (G) / Irrigation (I)	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	6.69	3.76	5.23	43.80	1.24	7.93	3.55	5.74	55.23	2.06	7.31	3.65	5.48	50.07	1.65
GEN2	8.26	5.36	6.81	35.11	0.99	7.17	4.62	5.89	35.56	1.32	7.71	4.99	6.35	35.28	1.16
GEN3	5.69	3.76	4.73	33.92	0.96	6.90	4.90	5.90	28.99	1.08	6.30	4.33	5.32	31.27	1.02
GEN4	5.17	4.24	4.70	17.99	0.51	7.21	5.69	6.45	21.08	0.79	6.19	4.96	5.58	19.87	0.65
GEN5	9.00	5.74	7.55	36.22	1.09	5.10	3.19	4.14	37.45	1.39	7.23	4.46	5.85	38.31	1.24
GEN6	7.17	3.29	5.23	54.11	1.53	7.81	4.69	6.25	39.95	1.49	7.49	3.99	5.74	46.73	1.51
GEN7	6.62	3.64	5.13	45.02	1.27	7.52	6.45	6.99	14.23	0.53	7.07	5.05	6.06	28.57	0.90
GEN8	6.00	3.24	4.37	46.00	1.16	8.71	7.55	8.13	13.32	0.50	7.11	5.39	6.25	24.19	0.83
GEN9	5.00	4.26	4.85	14.80	0.61	10.21	8.14	9.18	20.27	0.76	7.82	6.20	7.01	20.72	0.68
GEN10	5.31	4.43	4.87	16.57	0.47	7.81	6.50	7.15	16.77	0.62	6.56	5.46	6.01	16.77	0.55
GEN11	10.48	7.62	9.05	27.29	0.77	10.29	8.90	9.60	13.51	0.50	10.38	8.26	9.32	20.42	0.64
GEN12	9.00	7.48	8.13	16.89	0.42	9.40	6.00	7.70	36.17	1.35	9.10	6.74	7.92	25.93	0.89
GEN13	9.45	6.00	7.73	36.51	1.03	6.90	4.69	5.80	32.03	1.19	8.18	5.35	6.76	34.60	1.11
GEN14	8.55	7.50	8.03	12.28	0.35	6.05	5.36	5.70	11.40	0.43	7.30	6.43	6.86	11.92	0.39
GEN15	6.00	4.31	5.05	28.17	0.72	7.05	3.71	5.38	47.38	1.76	6.42	4.01	5.22	37.54	1.24
GEN16	4.55	3.45	4.00	24.18	0.68	8.43	4.31	6.37	48.87	1.82	6.49	3.88	5.19	40.22	1.25
GEN17	4.90	3.12	4.01	36.33	1.03	7.95	6.90	7.43	13.21	0.49	6.43	5.01	5.72	22.08	0.76
GEN18	7.10	4.76	5.93	32.96	0.93	9.33	8.71	9.02	6.65	0.25	8.22	6.74	7.48	18.00	0.59
GEN19	9.00	7.69	8.20	14.56	0.33	8.02	5.95	6.99	25.81	0.96	8.37	6.82	7.59	18.52	0.65
GEN20	6.10	4.52	5.31	25.90	0.73	6.40	4.43	5.42	30.78	1.15	6.25	4.48	5.36	28.32	0.94
Mean	7.00	4.91	5.95	29.93		7.81	5.71	6.76	27.43		7.40	5.31	6.35	28.47	
F test for Irrigation	H.S					H.S									
RLSD (G)			0.42					0.38							
RLSD (IxG)	0.44					0.49									

Table 6. Mean panicle length (cm), reduction % (R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	24.96	15.93	**20.45**	**36.16**	**0.77**	29.13	15.40	**22.27**	**47.14**	**1.40**	**27.05**	**15.67**	**21.36**	**42**	**1.09**
GEN2	29.90	15.87	**22.88**	**46.93**	**1.00**	31.30	19.73	**25.52**	**36.95**	**1.10**	**30.60**	**17.80**	**24.20**	**41.83**	**1.05**
GEN3	26.26	18.07	**22.16**	**31.20**	**0.67**	25.43	16.73	**21.08**	**34.21**	**1.02**	**25.85**	**17.40**	**21.62**	**32.68**	**0.84**
GEN4	27.73	16.60	**22.17**	**40.14**	**0.86**	29.90	18.07	**23.98**	**39.58**	**1.18**	**28.82**	**17.33**	**23.08**	**39.85**	**1.02**
GEN5	27.39	17.93	**22.66**	**34.52**	**0.74**	31.63	19.43	**25.53**	**38.57**	**1.15**	**29.51**	**18.68**	**24.10**	**36.69**	**0.94**
GEN6	25.39	14.53	**19.96**	**42.77**	**0.91**	27.33	18.51	**22.92**	**32.27**	**0.96**	**26.36**	**16.52**	**21.44**	**37.32**	**0.94**
GEN7	31.89	16.33	**24.11**	**48.79**	**1.04**	25.80	19.17	**22.48**	**25.71**	**0.77**	**28.85**	**17.75**	**23.30**	**38.47**	**0.90**
GEN8	28.51	13.40	**20.96**	**53.00**	**1.13**	23.67	19.77	**21.72**	**16.48**	**0.49**	**26.09**	**16.58**	**21.34**	**36.44**	**0.81**
GEN9	30.33	12.40	**21.37**	**59.12**	**1.26**	31.00	21.70	**26.35**	**30.00**	**0.89**	**30.67**	**17.05**	**23.86**	**44.4**	**1.08**
GEN10	27.78	13.87	**20.82**	**50.08**	**1.07**	30.50	21.20	**25.85**	**30.49**	**0.91**	**29.14**	**17.53**	**23.34**	**39.8**	**0.99**
GEN11	23.10	13.60	**18.35**	**41.12**	**0.88**	22.00	12.50	**17.25**	**43.18**	**1.29**	**22.55**	**13.05**	**17.80**	**42.12**	**1.08**
GEN12	30.25	13.57	**21.91**	**55.15**	**1.18**	28.60	14.87	**21.73**	**48.02**	**1.43**	**29.42**	**14.22**	**21.82**	**51.68**	**1.30**
GEN13	28.82	12.30	**20.56**	**57.32**	**1.22**	22.00	17.47	**19.73**	**20.61**	**0.61**	**25.41**	**14.88**	**20.15**	**41.42**	**0.92**
GEN14	26.87	14.47	**20.67**	**46.15**	**0.98**	20.47	11.80	**16.13**	**42.35**	**1.26**	**23.67**	**13.13**	**18.40**	**44.51**	**1.12**
GEN15	27.65	15.47	**21.56**	**44.06**	**0.94**	17.67	11.07	**14.37**	**37.36**	**1.11**	**22.66**	**13.27**	**17.96**	**41.44**	**1.03**
GEN16	30.25	13.57	**21.91**	**55.15**	**1.18**	20.37	11.77	**16.07**	**42.23**	**1.26**	**25.31**	**12.67**	**18.99**	**49.95**	**1.22**
GEN17	27.39	15.70	**21.54**	**42.67**	**0.91**	24.20	20.20	**22.20**	**16.53**	**0.49**	**25.79**	**17.95**	**21.87**	**30.41**	**0.70**
GEN18	35.45	17.53	**26.49**	**50.54**	**1.08**	32.40	22.73	**27.57**	**29.84**	**0.89**	**33.92**	**20.13**	**27.03**	**40.65**	**0.98**
GEN19	31.98	17.87	**24.92**	**44.13**	**0.94**	23.43	16.50	**19.97**	**29.59**	**0.88**	**27.71**	**17.18**	**22.44**	**37.98**	**0.91**
GEN20	33.45	16.50	**24.98**	**50.68**	**1.08**	19.27	14.23	**16.75**	**26.12**	**0.78**	**26.36**	**15.37**	**20.86**	**41.70**	**0.93**
Mean	28.77	15.28	**22.02**	**46.48**		25.81	17.14	**21.47**	**33.36**		**27.29**	**16.21**	**21.75**	**40.573**	
F test Irrigation	**H.S**					**H.S**									
RLSD (G)			**1.77**					**1.43**							
RLSD (IxG)	**2.93**					**1.45**									

Table 7. Mean panicles thickness (cm), reduction % (R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	1.987	1.507	**1.747**	**24.16**	**0.645**	2.533	1.513	**2.023**	**40.26**	**1.060**	**2.260**	**1.510**	**1.885**	**33**	**0.852**
GEN2	1.633	1.253	**1.443**	**23.27**	**0.621**	2.453	1.340	**1.897**	**45.38**	**1.194**	**2.043**	**1.297**	**1.670**	**36.54**	**0.908**
GEN3	2.160	1.300	**1.730**	**39.81**	**1.062**	2.680	1.033	**1.857**	**61.44**	**1.617**	**2.420**	**1.167**	**1.793**	**51.79**	**1.340**
GEN4	2.167	1.247	**1.707**	**42.46**	**1.133**	2.733	1.200	**1.967**	**56.10**	**1.476**	**2.450**	**1.223**	**1.837**	**50.07**	**1.305**
GEN5	1.667	1.107	**1.387**	**33.60**	**0.897**	2.420	1.093	**1.757**	**54.82**	**1.443**	**2.043**	**1.100**	**1.572**	**46.17**	**1.170**
GEN6	2.093	0.967	**1.530**	**53.82**	**1.436**	2.607	1.293	**1.950**	**50.38**	**1.326**	**2.350**	**1.130**	**1.740**	**51.91**	**1.381**
GEN7	2.227	0.940	**1.583**	**57.78**	**1.542**	2.760	1.907	**2.333**	**30.92**	**0.814**	**2.493**	**1.423**	**1.958**	**42.91**	**1.178**
GEN8	2.393	1.033	**1.713**	**56.82**	**1.516**	2.500	1.960	**2.230**	**21.60**	**0.569**	**2.447**	**1.497**	**1.972**	**38.83**	**1.042**
GEN9	2.847	1.047	**1.947**	**63.23**	**1.687**	2.467	1.413	**1.940**	**42.70**	**1.124**	**2.657**	**1.230**	**1.943**	**53.7**	**1.406**
GEN10	2.493	1.660	**2.077**	**33.42**	**0.892**	2.400	1.460	**1.930**	**39.17**	**1.031**	**2.447**	**1.560**	**2.003**	**36.2**	**0.961**
GEN11	2.540	1.360	**1.950**	**46.46**	**1.240**	2.140	1.393	**1.767**	**34.89**	**0.918**	**2.340**	**1.377**	**1.858**	**41.17**	**1.079**
GEN12	2.447	1.653	**2.050**	**32.43**	**0.865**	2.767	2.007	**2.387**	**27.47**	**0.723**	**2.607**	**1.830**	**2.218**	**29.80**	**0.794**
GEN13	2.053	1.293	**1.673**	**37.01**	**0.988**	2.573	1.687	**2.130**	**34.46**	**0.907**	**2.313**	**1.490**	**1.902**	**35.59**	**0.947**
GEN14	2.387	1.920	**2.153**	**19.55**	**0.522**	2.387	1.627	**2.007**	**31.84**	**0.838**	**2.387**	**1.773**	**2.080**	**25.70**	**0.680**
GEN15	1.567	1.067	**1.317**	**31.91**	**0.852**	2.540	1.747	**2.143**	**31.23**	**0.822**	**2.053**	**1.407**	**1.730**	**31.49**	**0.837**
GEN16	1.647	1.100	**1.373**	**33.20**	**0.886**	1.980	1.567	**1.773**	**20.88**	**0.549**	**1.813**	**1.333**	**1.573**	**26.47**	**0.718**
GEN17	2.287	1.687	**1.987**	**26.24**	**0.700**	2.353	1.933	**2.143**	**17.85**	**0.470**	**2.320**	**1.810**	**2.065**	**21.98**	**0.585**
GEN18	1.853	1.353	**1.603**	**26.98**	**0.720**	1.933	1.353	**1.643**	**30.00**	**0.790**	**1.893**	**1.353**	**1.623**	**28.52**	**0.755**
GEN19	1.673	1.347	**1.510**	**19.52**	**0.521**	2.340	1.500	**1.920**	**35.90**	**0.945**	**2.007**	**1.423**	**1.715**	**29.07**	**0.733**
GEN20	2.007	1.500	**1.753**	**25.25**	**0.674**	2.213	1.220	**1.717**	**44.88**	**1.181**	**2.110**	**1.360**	**1.735**	**35.55**	**0.928**
Mean	2.106	1.317	**1.712**	**36.35**		2.439	1.512	**1.976**	**37.61**		**2.273**	**1.415**	**1.844**	**37.33**	
F test Irrigation	**H.S**					**H.S**									
RLSD (G)			**0.190**					**0.160**							
RLSD (IxG)	**0.210**					**0.330**									

Table 8. Mean panicle weight/plant (g), reduction %(R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	213.13	176.07	**194.60**	**17.39**	**0.77**	185.91	152.22	**169.07**	**18.12**	**0.65**	**199.52**	**164.15**	**181.83**	**18**	**0.71**
GEN2	227.98	180.24	**204.11**	**20.94**	**0.93**	230.52	188.29	**209.41**	**18.32**	**0.66**	**229.25**	**184.26**	**206.76**	**19.62**	**0.80**
GEN3	149.33	106.03	**127.68**	**29.00**	**1.29**	249.37	141.55	**195.46**	**43.24**	**1.56**	**199.35**	**123.79**	**161.57**	**37.90**	**1.43**
GEN4	242.94	197.86	**220.40**	**18.56**	**0.83**	166.43	125.56	**145.99**	**24.56**	**0.89**	**204.68**	**161.71**	**183.19**	**21.00**	**0.86**
GEN5	253.33	189.52	**221.43**	**25.19**	**1.12**	170.67	131.39	**151.03**	**23.02**	**0.83**	**212.00**	**160.45**	**186.23**	**24.31**	**0.98**
GEN6	234.01	133.61	**183.81**	**42.90**	**1.91**	193.13	113.45	**153.29**	**41.26**	**1.49**	**213.57**	**123.53**	**168.55**	**42.16**	**1.70**
GEN7	223.45	141.98	**182.72**	**36.46**	**1.62**	129.29	109.96	**119.63**	**14.95**	**0.54**	**176.37**	**125.97**	**151.17**	**28.58**	**1.08**
GEN8	238.73	207.66	**223.19**	**13.02**	**0.58**	210.04	176.87	**193.45**	**15.79**	**0.57**	**224.39**	**192.26**	**208.32**	**14.32**	**0.57**
GEN9	207.54	151.19	**179.37**	**27.15**	**1.21**	161.35	136.87	**149.11**	**15.17**	**0.55**	**184.44**	**144.03**	**164.24**	**21.9**	**0.88**
GEN10	181.79	124.33	**153.06**	**31.61**	**1.41**	207.74	122.70	**165.22**	**40.94**	**1.48**	**194.77**	**123.52**	**159.14**	**36.6**	**1.44**
GEN11	222.30	193.33	**207.82**	**13.03**	**0.58**	278.37	242.70	**260.53**	**12.81**	**0.46**	**250.34**	**218.01**	**234.17**	**12.91**	**0.52**
GEN12	209.29	171.43	**190.36**	**18.09**	**0.81**	229.64	131.35	**180.50**	**42.80**	**1.55**	**219.46**	**151.39**	**185.43**	**31.02**	**1.18**
GEN13	126.55	96.83	**111.69**	**23.49**	**1.05**	108.85	94.29	**101.57**	**13.38**	**0.48**	**117.70**	**95.56**	**106.63**	**18.81**	**0.76**
GEN14	150.60	133.65	**142.12**	**11.25**	**0.50**	185.16	94.13	**139.65**	**49.16**	**1.78**	**167.88**	**113.89**	**140.88**	**32.16**	**1.14**
GEN15	206.03	150.32	**178.18**	**27.04**	**1.20**	143.33	115.67	**129.50**	**19.29**	**0.70**	**174.68**	**133.00**	**153.84**	**23.86**	**0.95**
GEN16	138.53	101.47	**120.00**	**26.75**	**1.19**	184.40	135.48	**159.94**	**26.53**	**0.96**	**161.47**	**118.47**	**139.97**	**26.63**	**1.07**
GEN17	254.29	201.94	**228.12**	**20.59**	**0.92**	206.63	158.25	**182.44**	**23.41**	**0.85**	**230.46**	**180.10**	**205.28**	**21.85**	**0.88**
GEN18	197.18	196.63	**196.91**	**0.28**	**0.01**	259.25	121.03	**190.14**	**53.32**	**1.93**	**228.22**	**158.83**	**193.52**	**30.40**	**0.97**
GEN19	107.74	77.66	**92.70**	**27.92**	**1.24**	136.67	109.13	**122.90**	**20.15**	**0.73**	**122.20**	**93.39**	**107.80**	**23.58**	**0.99**
GEN20	128.06	101.87	**114.96**	**20.45**	**0.91**	151.63	138.45	**145.04**	**8.69**	**0.31**	**139.84**	**120.16**	**130.00**	**14.08**	**0.61**
Mean	195.64	151.68	**173.66**	**22.55**		189.42	136.97	**163.19**	**26.25**		**192.53**	**144.32**	**168.43**	**24.97**	
F test Irrigation	**H.S**					**H.S**									
RLSD (G)			**11.13**					**3.36**							
RLSD (IxG)	**17.68**					**6.53**									

Table 9. Mean grain yield/plant (g), reduction % (R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	13.78	9.46	11.62	31.36	1.31	15.43	12.13	13.78	21.42	0.83	14.60	10.79	12.70	26.39	1.07
GEN2	14.61	9.72	12.17	33.45	1.40	15.98	13.25	14.61	17.11	0.66	15.30	11.49	13.39	25.28	1.03
GEN3	12.85	9.49	11.17	26.10	1.09	15.13	10.56	12.85	30.21	1.17	13.99	10.03	12.01	28.15	1.13
GEN4	13.09	10.14	11.61	22.56	0.94	14.10	12.08	13.09	14.34	0.55	13.60	11.11	12.35	18.45	0.75
GEN5	13.75	11.00	12.38	20.00	0.84	14.87	12.64	13.75	15.01	0.58	14.31	11.82	13.07	17.50	0.71
GEN6	12.28	8.51	10.40	30.70	1.28	14.53	10.03	12.28	30.98	1.20	13.41	9.27	11.34	30.84	1.24
GEN7	14.32	9.39	11.86	34.42	1.44	16.28	12.36	14.32	24.04	0.93	15.30	10.88	13.09	29.23	1.18
GEN8	15.02	11.86	13.44	21.05	0.88	17.23	12.80	15.02	25.70	0.99	16.13	12.33	14.23	23.37	0.94
GEN9	12.07	9.59	10.83	20.51	0.86	13.87	10.26	12.07	26.00	1.00	12.97	9.93	11.45	23.25	0.93
GEN10	11.69	8.93	10.31	23.61	0.99	13.15	10.23	11.69	22.21	0.86	12.42	9.58	11.00	22.91	0.92
GEN11	14.29	11.20	12.74	21.64	0.90	17.08	11.50	14.29	32.63	1.26	15.68	11.35	13.52	27.13	1.08
GEN12	13.73	10.56	12.14	23.04	0.96	16.12	11.33	13.73	29.71	1.15	14.92	10.95	12.94	26.37	1.06
GEN13	10.73	8.44	9.59	21.30	0.89	12.52	8.94	10.73	28.58	1.10	11.62	8.69	10.16	24.94	1.00
GEN14	11.67	9.19	10.43	21.20	0.89	13.28	10.06	11.67	24.26	0.94	12.47	9.63	11.05	22.73	0.91
GEN15	12.97	10.69	11.83	17.62	0.74	15.67	10.27	12.97	34.48	1.33	14.32	10.48	12.40	26.05	1.03
GEN16	11.86	9.20	10.53	22.48	0.94	13.39	10.33	11.86	22.86	0.88	12.63	9.76	11.20	22.67	0.91
GEN17	15.46	12.46	13.96	19.40	0.81	18.83	12.09	15.46	35.82	1.38	17.15	12.27	14.71	27.61	1.10
GEN18	12.91	9.93	11.42	23.09	0.97	15.64	10.18	12.91	34.91	1.35	14.28	10.06	12.17	29.00	1.16
GEN19	10.83	8.55	9.69	21.06	0.88	12.50	9.17	10.83	26.63	1.03	11.67	8.86	10.26	23.85	0.95
GEN20	11.34	8.94	10.14	21.23	0.89	12.22	10.47	11.34	14.30	0.55	11.78	9.70	10.74	17.76	0.72
Mean	12.96	9.86	11.41	23.79		14.89	11.03	12.96	25.560		13.93	10.45	12.19	24.675	
F test Irrigation	H.S					H.S									
RLSD (G)			0.66					0.80							
RLSD (IxG)	1.05					1.17									

Table 10. Mean 1000 grain weight, reduction % (R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	10.74	6.87	**8.81**	**36.05**	**0.98**	10.94	6.25	**8.59**	**42.87**	**1.13**	**10.84**	**6.56**	**8.70**	**39**	**1.05**
GEN2	9.33	5.98	**7.66**	**35.98**	**0.98**	8.24	6.69	**7.47**	**18.83**	**0.50**	**8.79**	**6.33**	**7.56**	**27.94**	**0.74**
GEN3	9.59	6.00	**7.80**	**37.49**	**1.02**	8.76	6.59	**7.68**	**24.74**	**0.65**	**9.18**	**6.29**	**7.74**	**31.41**	**0.83**
GEN4	10.62	6.54	**8.58**	**38.36**	**1.04**	10.49	6.49	**8.49**	**38.14**	**1.00**	**10.56**	**6.52**	**8.54**	**38.25**	**1.02**
GEN5	8.76	5.62	**7.19**	**35.89**	**0.98**	8.58	5.45	**7.01**	**36.47**	**0.96**	**8.67**	**5.53**	**7.10**	**36.18**	**0.97**
GEN6	10.61	5.50	**8.06**	**48.20**	**1.31**	10.03	6.95	**8.49**	**30.73**	**0.81**	**10.32**	**6.22**	**8.27**	**39.71**	**1.06**
GEN7	10.36	6.13	**8.25**	**40.87**	**1.11**	9.98	6.60	**8.29**	**33.89**	**0.89**	**10.17**	**6.36**	**8.27**	**37.45**	**1.00**
GEN8	9.45	6.99	**8.22**	**26.07**	**0.71**	8.84	6.28	**7.56**	**29.03**	**0.76**	**9.14**	**6.63**	**7.89**	**27.50**	**0.74**
GEN9	8.93	5.72	**7.33**	**35.94**	**0.98**	7.93	6.37	**7.15**	**19.66**	**0.52**	**8.43**	**6.04**	**7.24**	**28.3**	**0.75**
GEN10	10.29	7.54	**8.91**	**26.69**	**0.73**	10.65	5.81	**8.23**	**45.47**	**1.20**	**10.47**	**6.68**	**8.57**	**36.2**	**0.96**
GEN11	9.94	6.11	**8.02**	**38.50**	**1.05**	9.86	6.04	**7.95**	**38.72**	**1.02**	**9.90**	**6.08**	**7.99**	**38.61**	**1.03**
GEN12	10.50	6.93	**8.72**	**33.98**	**0.92**	11.03	5.77	**8.40**	**47.73**	**1.26**	**10.77**	**6.35**	**8.56**	**41.03**	**1.09**
GEN13	10.42	6.34	**8.38**	**39.17**	**1.06**	10.83	5.84	**8.34**	**46.08**	**1.21**	**10.63**	**6.09**	**8.36**	**42.69**	**1.14**
GEN14	10.86	6.25	**8.56**	**42.49**	**1.15**	10.96	6.43	**8.69**	**41.37**	**1.09**	**10.91**	**6.34**	**8.62**	**41.93**	**1.12**
GEN15	9.13	5.18	**7.15**	**43.30**	**1.18**	8.53	6.08	**7.30**	**28.81**	**0.76**	**8.83**	**5.63**	**7.23**	**36.30**	**0.97**
GEN16	9.35	6.11	**7.73**	**34.65**	**0.94**	9.12	5.85	**7.48**	**35.83**	**0.94**	**9.24**	**5.98**	**7.61**	**35.23**	**0.94**
GEN17	9.52	5.40	**7.46**	**43.28**	**1.18**	9.55	5.68	**7.62**	**40.49**	**1.07**	**9.54**	**5.54**	**7.54**	**41.88**	**1.12**
GEN18	8.96	6.19	**7.58**	**30.96**	**0.84**	9.47	4.88	**7.17**	**48.50**	**1.28**	**9.22**	**5.53**	**7.37**	**39.97**	**1.06**
GEN19	10.08	6.33	**8.20**	**37.17**	**1.01**	10.81	5.32	**8.06**	**50.81**	**1.34**	**10.44**	**5.82**	**8.13**	**44.23**	**1.17**
GEN20	9.98	7.06	**8.52**	**29.30**	**0.80**	10.40	5.57	**7.98**	**46.47**	**1.22**	**10.19**	**6.31**	**8.25**	**38.07**	**1.01**
Mean	9.87	6.24	**8.06**	**36.72**		9.75	6.05	**7.90**	**37.23**		**9.81**	**6.14**	**7.98**	**37.12**	
F test Irrigation	**H.S**					**H.S**									
RLSD (G)			**0.65**					**0.64**							
RLSD (IxG)	**1.55**					**0.97**									

Table 10. Mean 1000 grain weight, reduction % (R) and drought susceptibility index (DSI) for all genotypes during the two and over the two seasons under normal and water stress.

Genotypes	2019					2020					Average				
	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI	Normal	Drought	Mean	R%	DSI
GEN1	10.74	6.87	8.81	36.05	0.98	10.94	6.25	8.59	42.87	1.13	10.84	6.56	8.70	39	1.05
GEN2	9.33	5.98	7.66	35.98	0.98	8.24	6.69	7.47	18.83	0.50	8.79	6.33	7.56	27.94	0.74
GEN3	9.59	6.00	7.80	37.49	1.02	8.76	6.59	7.68	24.74	0.65	9.18	6.29	7.74	31.41	0.83
GEN4	10.62	6.54	8.58	38.36	1.04	10.49	6.49	8.49	38.14	1.00	10.56	6.52	8.54	38.25	1.02
GEN5	8.76	5.62	7.19	35.89	0.98	8.58	5.45	7.01	36.47	0.96	8.67	5.53	7.10	36.18	0.97
GEN6	10.61	5.50	8.06	48.20	1.31	10.03	6.95	8.49	30.73	0.81	10.32	6.22	8.27	39.71	1.06
GEN7	10.36	6.13	8.25	40.87	1.11	9.98	6.60	8.29	33.89	0.89	10.17	6.36	8.27	37.45	1.00
GEN8	9.45	6.99	8.22	26.07	0.71	8.84	6.28	7.56	29.03	0.76	9.14	6.63	7.89	27.50	0.74
GEN9	8.93	5.72	7.33	35.94	0.98	7.93	6.37	7.15	19.66	0.52	8.43	6.04	7.24	28.3	0.75
GEN10	10.29	7.54	8.91	26.69	0.73	10.65	5.81	8.23	45.47	1.20	10.47	6.68	8.57	36.2	0.96
GEN11	9.94	6.11	8.02	38.50	1.05	9.86	6.04	7.95	38.72	1.02	9.90	6.08	7.99	38.61	1.03
GEN12	10.50	6.93	8.72	33.98	0.92	11.03	5.77	8.40	47.73	1.26	10.77	6.35	8.56	41.03	1.09
GEN13	10.42	6.34	8.38	39.17	1.06	10.83	5.84	8.34	46.08	1.21	10.63	6.09	8.36	42.69	1.14
GEN14	10.86	6.25	8.56	42.49	1.15	10.96	6.43	8.69	41.37	1.09	10.91	6.34	8.62	41.93	1.12
GEN15	9.13	5.18	7.15	43.30	1.18	8.53	6.08	7.30	28.81	0.76	8.83	5.63	7.23	36.30	0.97
GEN16	9.35	6.11	7.73	34.65	0.94	9.12	5.85	7.48	35.83	0.94	9.24	5.98	7.61	35.23	0.94
GEN17	9.52	5.40	7.46	43.28	1.18	9.55	5.68	7.62	40.49	1.07	9.54	5.54	7.54	41.88	1.12
GEN18	8.96	6.19	7.58	30.96	0.84	9.47	4.88	7.17	48.50	1.28	9.22	5.53	7.37	39.97	1.06
GEN19	10.08	6.33	8.20	37.17	1.01	10.81	5.32	8.06	50.81	1.34	10.44	5.82	8.13	44.23	1.17
GEN20	9.98	7.06	8.52	29.30	0.80	10.40	5.57	7.98	46.47	1.22	10.19	6.31	8.25	38.07	1.01
Mean	9.87	6.24	8.06	36.72		9.75	6.05	7.90	37.23		9.81	6.14	7.98	37.12	
F test Irrigation	H.S					H.S									
RLSD (G)			0.65					0.64							
RLSD (IxG)	1.55					0.97									