

SUPPLEMENTAL TABLE 1. Mean of the studied traits for 39 genotypes averaged across two seasons under two conditions.

Trait	RWC%		ELWR%		LWC%		LWL%		LA (cm)		SLW (g/cm ²)		GY (ton/ha)	
Genotype No.	Irrig.	Dro.	Irrig.	Dro.	Irrig.	Dro.	Irrig.	Dro.	Irrig.	Dro.	Irrig.	Dro.	Irrig.	Dro.
1	91.60	88.66	39.44	37.79	67.77	65.75	58.88	59.33	64.60	53.02	3.06	5.84	7.95	5.23
13	92.16	87.13	34.63	46.69	68.72	67.82	51.11	61.02	93.74	72.09	1.76	4.26	7.65	6.79
39	91.08	87.54	53.28	43.20	68.71	66.00	43.18	56.14	52.58	72.35	8.89	4.45	7.84	5.40
42	88.64	89.07	52.47	47.36	69.43	68.36	46.51	50.67	47.42	38.57	4.59	4.39	7.99	5.57
48	90.03	89.69	47.24	45.03	69.80	65.43	49.66	49.93	48.07	38.70	2.82	4.24	6.69	4.93
62	89.67	89.12	48.23	38.21	68.73	62.86	51.33	58.38	52.74	30.44	4.44	5.45	7.77	6.26
63	89.03	87.72	44.55	41.59	68.44	65.95	53.44	53.40	72.83	60.58	4.03	5.00	7.18	5.17
68	89.23	86.58	54.04	48.43	68.37	66.84	43.77	48.14	76.73	63.83	5.71	4.47	8.12	6.05
74	88.30	87.74	51.74	42.79	68.58	65.64	43.15	56.65	75.02	69.87	6.10	5.07	6.26	4.10
92	90.84	80.63	48.68	45.07	71.95	68.36	48.84	50.82	52.53	64.35	6.55	4.74	7.63	5.45
95	89.74	86.45	70.12	40.71	71.21	67.10	28.31	58.04	43.17	64.32	1.94	1.79	7.93	5.25
104	89.68	83.47	52.50	40.92	67.05	66.45	41.03	56.29	30.28	42.33	2.91	4.40	7.40	5.00
124	86.89	83.53	49.72	37.74	67.78	65.74	51.42	58.44	68.15	56.98	3.18	5.35	7.23	5.62
129	86.29	80.05	50.65	50.63	66.63	66.36	45.48	50.25	48.75	40.92	2.17	1.70	7.51	4.95
139	88.79	87.15	46.50	42.68	65.87	63.31	49.37	58.38	88.22	76.51	3.20	4.61	7.69	6.11
145	87.35	85.36	60.38	47.23	67.29	64.96	50.68	39.06	58.98	56.13	1.22	2.70	6.84	5.25
150	88.04	86.59	45.18	45.48	68.92	66.06	54.38	55.82	44.19	33.20	5.33	2.72	6.38	4.37
151	88.80	88.54	66.39	32.85	70.41	66.98	34.82	62.48	65.74	44.30	5.18	3.51	6.91	5.73
170	86.23	85.87	57.46	52.80	71.17	67.90	44.83	46.35	51.01	37.55	2.20	5.34	7.68	6.26
202	88.36	85.30	61.39	60.62	70.49	66.03	36.58	36.66	55.70	33.05	5.07	5.25	7.31	6.26
206	89.01	84.07	52.40	33.36	68.32	64.82	45.54	65.84	42.80	58.96	2.26	1.56	7.73	5.80
209	88.71	87.67	46.31	48.98	72.89	67.33	46.56	53.62	35.68	41.01	7.19	3.47	7.19	5.92
245	90.73	86.65	60.95	55.89	71.90	68.19	37.02	41.22	42.39	46.49	3.81	6.08	7.00	4.95
246	91.34	89.04	57.82	43.53	77.37	71.75	38.33	55.05	38.40	24.55	7.50	4.55	6.75	5.68
296	87.31	80.71	60.75	45.12	71.01	66.43	40.12	50.17	56.80	41.05	3.11	4.26	7.96	7.08
300	89.32	88.26	48.71	34.29	71.29	71.82	48.96	63.55	57.27	50.90	4.63	3.21	7.19	6.18
306	92.43	89.91	51.59	43.01	67.96	65.06	48.43	54.28	54.59	54.64	4.64	4.21	8.20	6.37
343	89.84	73.44	51.10	42.13	74.70	53.11	45.34	60.12	37.87	41.49	2.27	3.62	7.31	5.49
352	91.90	89.48	50.48	44.20	70.67	70.85	44.69	55.05	63.05	45.72	0.97	3.82	6.63	5.54
378	92.57	86.15	47.69	41.19	73.75	64.53	53.05	57.65	35.72	33.17	4.84	3.04	8.55	7.02
379	88.30	87.22	63.30	39.70	66.46	68.34	34.49	58.36	32.04	53.85	3.58	2.52	8.94	7.57
389	89.72	90.83	58.95	40.84	70.03	68.62	39.71	52.44	50.96	63.71	4.50	4.13	7.37	5.48
395	88.61	89.99	47.93	43.02	69.58	70.91	57.68	57.81	60.11	57.59	3.25	4.10	7.59	7.02
397	88.67	87.19	51.23	48.91	69.19	65.88	45.39	48.88	54.99	30.64	2.38	5.67	8.56	6.26
423	87.63	86.43	52.57	43.74	65.64	65.10	42.64	57.97	43.70	39.28	2.09	5.20	6.74	5.58
459	90.80	87.32	42.30	38.30	73.26	69.05	58.36	59.40	64.78	69.41	1.15	3.90	5.76	4.57
463	87.68	84.21	41.83	42.33	69.37	68.10	53.45	54.52	54.57	33.07	1.06	3.56	8.87	7.42
Average	89.33	86.34	51.91	43.69	69.75	66.59	46.12	54.38	54.49	49.58	3.77	4.11	7.47	5.77
Sids4	94.19	83.23	52.37	47.10	70.44	63.94	45.01	53.77	70.70	54.46	3.54	3.78	5.15	3.89
Giza168	87.13	86.38	52.05	48.61	68.37	67.35	44.98	51.67	63.77	47.50	5.72	3.21	6.12	5.31
RLSD0.05	3.13	2.51	2.25	2.25	1.96	2.20	2.10	2.18	3.70	20.19	1.07	0.70	1.17	0.30
RLSD0.01	4.12	3.28	2.91	2.91	2.56	2.87	2.72	2.81	5.00	26.25	1.55	1.01	0.79	0.86

Irrig.= Irrigation, Dro.= Drought.

SUPPLEMENTAL TABLE 2. Drought tolerance indices for genotypes based on mean of grain yield in two seasons.

Genotype	Yp ton/ha	Ys ton/ha	SSI	STI	MP	GMP	TOL	YSI	HM	SDI	DI	RDI
1	7.95	5.23	1.48	0.76	6.59	6.45	2.71	0.66	6.31	0.34	0.60	0.86
13	7.65	6.79	0.49	0.95	7.22	7.20	0.86	0.89	7.19	0.11	1.05	1.15
39	7.84	5.40	1.35	0.78	6.62	6.51	2.44	0.69	6.39	0.31	0.65	0.89
42	7.99	5.57	1.32	0.82	6.78	6.68	2.42	0.70	6.57	0.3	0.68	0.91
48	6.69	4.93	1.15	0.61	5.81	5.74	1.77	0.74	5.68	0.26	0.64	0.96
62	7.77	6.26	0.84	0.89	7.01	6.97	1.51	0.81	6.93	0.19	0.88	1.05
63	7.18	5.17	1.22	0.68	6.17	6.09	2.01	0.72	6.01	0.28	0.65	0.93
68	8.12	6.05	1.11	0.90	7.08	7.01	2.07	0.75	6.93	0.25	0.79	0.97
74	6.26	4.10	1.5	0.47	5.18	5.07	2.15	0.66	4.96	0.34	0.47	0.85
92	7.63	5.45	1.24	0.76	6.54	6.45	2.18	0.71	6.36	0.29	0.68	0.93
95	7.93	5.25	1.47	0.77	6.59	6.45	2.68	0.66	6.32	0.34	0.61	0.86
104	7.4	5.00	1.41	0.68	6.2	6.08	2.39	0.68	5.97	0.32	0.59	0.88
124	7.23	5.62	0.97	0.75	6.42	6.37	1.61	0.78	6.32	0.22	0.76	1.01
129	7.51	4.95	1.48	0.68	6.23	6.10	2.55	0.66	5.97	0.34	0.57	0.86
139	7.69	6.11	0.89	0.86	6.90	6.86	1.58	0.79	6.81	0.21	0.85	1.03
145	6.84	5.25	1.01	0.66	6.04	5.99	1.60	0.77	5.94	0.23	0.70	1.00
150	6.38	4.37	1.37	0.51	5.38	5.28	2.02	0.68	5.19	0.32	0.52	0.89
151	6.91	5.73	0.74	0.73	6.32	6.29	1.18	0.83	6.26	0.17	0.83	1.08
170	7.68	6.26	0.80	0.88	6.97	6.93	1.42	0.82	6.89	0.18	0.89	1.06
202	7.31	6.26	0.62	0.84	6.78	6.76	1.04	0.86	6.74	0.14	0.94	1.11
206	7.73	5.80	1.08	0.83	6.77	6.70	1.93	0.75	6.63	0.25	0.76	0.97
209	7.19	5.92	0.77	0.78	6.55	6.52	1.27	0.82	6.49	0.18	0.85	1.07
245	7.00	4.95	1.27	0.64	5.97	5.89	2.04	0.71	5.80	0.29	0.61	0.92
246	6.75	5.68	0.69	0.70	6.21	6.19	1.07	0.84	6.17	0.16	0.84	1.09
296	7.96	7.08	0.48	1.04	7.52	7.51	0.88	0.89	7.49	0.11	1.10	1.16
300	7.19	6.18	0.61	0.82	6.68	6.66	1.02	0.86	6.65	0.14	0.93	1.12
306	8.20	6.37	0.97	0.96	7.29	7.23	1.83	0.78	7.17	0.22	0.87	1.01
343	7.31	5.49	1.08	0.74	6.40	6.33	1.82	0.75	6.27	0.25	0.72	0.97
352	6.63	5.54	0.72	0.68	6.08	6.06	1.10	0.83	6.03	0.17	0.81	1.08
378	8.55	7.02	0.78	1.10	7.79	7.75	1.53	0.82	7.71	0.18	1.01	1.07
379	8.94	7.57	0.67	1.24	8.25	8.23	1.37	0.85	8.20	0.15	1.12	1.10
389	7.37	5.48	1.12	0.74	6.43	6.36	1.89	0.74	6.29	0.26	0.71	0.97
395	7.59	7.02	0.33	0.98	7.30	7.30	0.58	0.92	7.29	0.08	1.14	1.20
397	8.56	6.26	1.17	0.98	7.41	7.32	2.30	0.73	7.23	0.27	0.80	0.95
423	6.74	5.58	0.75	0.69	6.16	6.13	1.17	0.83	6.11	0.17	0.81	1.07
459	5.76	4.57	0.90	0.48	5.16	5.13	1.19	0.79	5.10	0.21	0.64	1.03
463	8.87	7.42	0.71	1.21	8.14	8.11	1.46	0.84	8.08	0.16	1.09	1.09
Sids 4	5.15	3.89	1.07	0.37	4.52	4.48	1.27	0.75	4.43	0.25	0.51	0.98
Giza168	6.12	5.31	0.57	0.60	5.71	5.70	0.81	0.87	5.69	0.13	0.81	1.13