

Table S1. Analysis of variance (ANOVA) (F values) for plant height, dry matter accumulation, leaf area index, net assimilation rate, no. of panicles m⁻², filled grain panicle⁻¹, test weight, grain and straw yield as well as water use efficiency (WUE) in 2017 and 2018

Source	df	Plant height		Dry matter accumulation		Leaf area index		Net assimilation rate		No. of panicles m ⁻²		Filled grain panicle ⁻¹		Test weight		Grain yield		Straw yield		WUE	
		2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
Replication	2	0.21	0.23	0.03	0.22	0.01	0.14	0.02	0.11	0.001	0.02	0.01	0.07	0.04	28.3*	0.00	1.92	0.77	0.001	0.01	1.94
Irrigation level (A)	1	47.6*	141*	16.9*	44.5*	22.5*	15.9*	0.5	1.9	10.3*	8.7*	0.07	2.23	0.01	0.13	62.1*	48.2*	2.53	22.9*	70.4*	48.6*
Variety (B)	1	1837*	1514*	37.6*	103*	69.7*	21.7*	23.5*	29.7*	184*	193*	121*	1268*	6.68*	6.50*	160*	160*	37.4*	163*	6.78*	9.00*
Interaction AxB	1	1.22	5.49	0.07	0.11	0.001	0.01	0.003	0.05	0.04	1.07	2.30	0.19	0.18	0.00	0.42	0.37	1.08	1.15	2.24	1.78
Nutrient level (C)	7	2.88*	4.36*	12.8*	12.5*	55.9*	24.9*	83.1*	99.9*	16.0	8.7*	14.2*	40.5*	0.38	0.22	18.9*	12.0*	2.28*	2.69*	18.5*	12.0*
Interaction AxC	7	1.83	0.08	0.21	0.18	0.02	0.01	0.003	0.12	0.05	1.11	0.41	1.32	0.08	0.01	0.63	0.32	0.26	1.00	0.59	0.27
Interaction BxC	7	1.62	0.84	0.10	0.07	2.09	1.57	0.77	1.08	0.52	0.95	0.48	0.64	0.09	0.03	0.74	0.14	0.21	2.08	1.28	0.42
Interaction AxBxC	7	2.00	0.13	0.21	0.18	0.04	0.02	0.14	0.02	0.11	1.01	0.26	1.42	0.08	0.00	0.39	0.29	0.10	0.55	0.36	0.23

df denotes degrees of freedom; *Significant at 5% probability (P=0.05) level; df of Error I is 2 and Error II is 56; Table F value at 5% probability for Replication is 19; Irrigation level (A) is 18.5; Variety (B) is 18.5; Interaction AxB is 18.5; Nutrient level (C) is 2.18; Interaction AxC is 2.18; Interaction BxC is 2.18; and Interaction AxBxC is 2.18.