

Table S1 Differences in sugarcane indicators under irrigation and drought treatments

Trait	Treatm ent	Min.	Max.	Averag e	SD	CV	<i>t</i> -value	<i>P</i> -value	<i>r</i>
SPAD	CK	27.50	49.30	39.53	4.30	10.89	2.757	0.007	0.167
	T	29.70	45.50	37.15	3.87	10.43			
LA (cm ²)	CK	288.00	576.70	409.05	75.14	18.37	2.012	0.470	0.38
	T	272.50	543.90	379.29	64.76	17.07			
LL (cm)	CK	96.30	158.90	135.65	14.83	10.93	-1.663	0.100	0.519
	T	108.50	163.00	140.45	12.42	8.85			
PH1 (cm)	CK	165.00	270.00	220.29	27.12	12.31	2.352	0.021	0.825
	T	139.00	257.00	206.69	27.73	13.41			
SD1 (mm)	CK	14.88	30.49	22.11	3.61	16.33	-0.613	0.541	0.72
	T	15.35	31.57	22.60	3.89	17.21			
NGL	CK	9.00	18.00	11.58	1.82	15.67	22.814	0.000	0.102
	T	2.00	8.00	3.93	1.32	33.61			
NL	CK	14.00	21.00	17.58	1.75	9.96	4.147	0.000	0.726
	T	12.00	19.00	16.13	1.55	9.58			
POD (u/g)	CK	4,479	64,190	30,235	14,467	47.85	-2.546	0.010	0.748
	T	12,230	84,280	38,892	16,513	42.46			
Pro (μg/g)	CK	28.72	50.98	35.85	4.66	13.00	-11.108	0.000	0.073
	T	45.70	140.04	67.43	18.49	27.42			
SOD (u/g)	CK	134.72	814.30	315.04	174.84	55.50	-4.548	0.000	-0.348
	T	211.60	814.30	480.97	171.24	35.60			
Pn (umol m ⁻² s ⁻¹)	CK	15.79	48.90	31.94	9.23	28.89	-6.998	0.000	0.125
	T	23.57	78.40	47.82	12.11	25.32			
PH2 (cm)	CK	189.00	306.00	259.31	29.71	11.46	2.546	0.013	0.862
	T	160.00	300.00	242.60	32.49	13.39			
SD2 (mm)	CK	15.16	30.78	22.30	3.81	17.11	-0.503	0.616	0.841
	T	14.62	31.40	22.71	4.06	17.89			
SSW (g)	CK	0.66	1.49	1.11	1.90	17.02	4.117	0.000	0.604

Brix (°Bx)	T	0.56	1.630	0.93	2.35	25.34	6.710	0.000	0.491
	CK	20.50	24.00	22.27	1.03	4.64			
	T	14.50	22.00	18.23	2.08	11.44			

Note: SPAD: relative chlorophyll content; LA: leaf area; LL: leaf length; PH1: plant height at drought stage; SD1: stem diameter at drought stage; NGL: number of green leaves; NL: number of leaves; POD: peroxidase activity; Pro: proline content; SOD: superoxide dismutase activity; Pn: net photosynthetic rate; PH2: plant height at harvest stage; SD2: stem diameter at harvest stage; SSW: single stem weight; Min. : Minimum; Max. : Maximum; SD: standard deviation; CV: coefficient of variation; t-value: t-statistic; P-value:Probability Value; r: Correlation Coefficient.