

Table 2 Genetic parameters for physiological and productivity related traits under stressed and unstressed condition in pot experiment

Trait	PCV		GCV		MEAN		h ²		GA	
	A	B	A	B	A	B	A	B	A	B
Relative water content (%)	13.544	12.23696	13.01661	11.64171	54.81	61.74	92.35974	90.50791	25.76953	22.81536
Chlorophyll content (SPAD reading)	7.0719	7.5819598	6.418059	6.999936	36.04	41.12	85.23642	82.36257	11.99875	13.31294
Leaf T(°C)	5.0983	3.90167	4.670029	3.376241	27.1	23.34	83.90664	74.87999	8.812213	6.018434
Leaf area (cm ²)	14.411	11.619755	13.69066	10.96762	15.51	18.06	90.25463	89.09042	26.79332	21.3253
Plant height (cm)	7.9376	7.2635827	7.368615	6.795087	75.17	82.02	86.17722	87.51617	14.09124	13.09503
Number of tillers	21.814	23.731389	17.70638	22.31271	16.23	17.79	65.88391	88.40124	29.60647	43.21642
Number of productive tillers	27.831	22.184116	22.95027	17.9862	10.08	13.48	68.00342	65.7347	38.98705	30.04029
Gain number per plant	37.927	24.565709	34.24911	19.83304	709.1	1251	81.54594	65.18086	63.71148	32.98501
Grain weight per plant (g)	27.533	20.448922	23.22832	16.60818	8.363	13.7	71.17427	65.96345	40.36887	27.78696
Spikelet fertility (%)	3.4309	2.1891536	2.951334	1.930493	86.44	92.47	73.99624	77.76495	5.229864	3.506932
Harvest index (%)	3.5599	3.4186111	2.718023	2.703554	37.67	42.55	58.29488	62.54186	4.274995	4.40441

Note: A: Stressed; B: Non-stressed