

Table 3 Percentage reduction in performance of Parents and BILS population under water-stress for physiological and productivity related traits in pot experiment

Trait	Parent 1 (WAB-450)			Population mean			Parent 2 (Swarna)		
	A	B	C	A	B	C	A	B	C
Relative water content (%)	63.73	60.76	4.66	61.74	54.81	11.22	55.21	44.48	19.43
Chlorophyll content (SPAD reading)	42.85	37.65	12.14	41.12	36.04	12.35	42.05	34	19.14
Leaf temperature (°C)	24.85	27	-8.65	23.34	27.1	-16.11	22.65	27.9	-23.18
Leaf area (cm ²)	15.5	12.72	17.94	18.06	15.51	14.12	15.52	13.61	12.31
Plant height (cm)	93	82.6	11.18	82.02	75.17	8.35	81.5	74.75	8.28
Number of tillers	12	8.5	29.17	17.79	16.23	8.77	17.5	15	14.29
Number of productive tillers	9.5	8	15.79	13.48	10.08	25.22	16	10.5	34.38
Grain number per plant	906	844	6.84	1251	709.1	43.32	1967	993.5	49.49
Grain weight per plant (g)	11	9.25	15.91	13.7	8.363	38.96	21	10.75	48.81
Spikelet fertility (%)	93.16	91.05	2.26	92.47	86.44	6.52	95.48	87.26	8.61
Harvest index (%)	42.15	39.78	5.62	42.55	37.67	11.47	45.67	38.06	16.66

Note: A: Unstressed; B: Stressed; C: Reduction (%)