

Table 1 ANOVA for physiological and productivity related traits under stressed and unstressed condition in pot experiment

Trait	GMSS		EMSS	
	Stressed	Non-stressed	Stressed	Non-stressed
Relative water content (%)	106.01**	108.741**	4.21057	5.41804
Chlorophyll content (SPAD reading)	18.0051**	11.8463**	1.43503	1.14573
Leaf temperature (°C)	3.51058**	1.45025**	0.307205	0.208316
Leaf area (cm ²)	9.5047**	8.3272**	0.486857	0.480438
Plant height (cm)	66.2819**	66.5549**	4.92112	4.43087
Number of tillers	20.7932**	33.5801**	4.27638	2.06733
Number of productive tillers	13.2216**	14.821**	2.51808	3.06421
Gain number per plant	131310**	156003**	13347.6	32884.5
Grain weight per plant (g)	9.0756**	13.0255**	1.52833	2.67133
Spikelet fertility (%)	15.3037**	7.28451**	2.28714	0.911155
Harvest index (%)	2.84665**	3.43925**	0.749992	0.792583

Note: ** - Significant at 0.01 probability