

Table 5 Mean squares from analysis of variance of data for physiological and biochemical parameters of wheat grown under five levels of drought stress after seed bioprimering with drought tolerant isolates of *Trichoderma*

Sources of variation	df	Net photosynthesis ( $\mu$ mol CO <sub>2</sub> m <sup>-2</sup> s <sup>-1</sup> )	Stomatal conductance (mol H <sub>2</sub> O m <sup>-2</sup> s <sup>-1</sup> )	Chlorophyll content (mg g <sup>-1</sup> fr. wt.)	Chlorophyll fluorescence (Fv/Fm)	Osmotic Potential (MPa)	Relative water content (%)
Drought (a)	4	158.03 <sup>3</sup>	0.261 <sup>3</sup>	9.44 <sup>3</sup>	0.212 <sup>3</sup>	4.08 <sup>3</sup>	498.22 <sup>3</sup>
Trichoderma (b)	5	125.55 <sup>3</sup>	0.217 <sup>3</sup>	7.05 <sup>3</sup>	0.165 <sup>3</sup>	3.66 <sup>3</sup>	101.12 <sup>3</sup>
a × b	20	10.95 <sup>ns</sup>	0.019 <sup>ns</sup>	1.16 <sup>ns</sup>	0.037 <sup>ns</sup>	0.063 <sup>3</sup>	3.91 <sup>3</sup>
Error	58	1.68	0.005	1.025	0.004	0.011	19.55
LSD (0.05)		2.677	0.061	0.257	0.054	0.359	7.301

Sources of variation	df	Membrane Stability Index (%)	Hydrogen peroxide content ( $\mu$ mol g <sup>-1</sup> fr. wt.)	Proline content ( $\mu$ mol g <sup>-1</sup> fr. wt.)	MDA Content ( $\mu$ mol g <sup>-1</sup> fr. wt.)	Total phenolics content ( $\mu$ mol g <sup>-1</sup> fr. wt.)
Drought (a)	4	2411.55 <sup>3</sup>	3.03 <sup>3</sup>	438.40 <sup>3</sup>	51.25 <sup>3</sup>	88802.60 <sup>3</sup>
Trichoderma(b)	5	700.08 <sup>3</sup>	2.22 <sup>3</sup>	152.39 <sup>3</sup>	19.89 <sup>3</sup>	17365.76 <sup>3</sup>
a × b	20	72.81 <sup>3</sup>	0.072 <sup>3</sup>	18.40 <sup>3</sup>	3.19 <sup>3</sup>	3437.52 <sup>3</sup>
Error	58	27.73	0.023	2.11	0.127	153.67
LSD (0.05)		8.606	0.245	2.87	0.940	23.12

Note: a: No Stress (control), 4 DDS, 7 DDS, 10 DDS and 13 DDS; DDS = days drought stress; b: *Rani Th-14*, *Rani Th-21*, *Rani Th-25*, *Rani Th-30* and *Rani Th-39* and control; 3: Significant at 5% level of probability; ns = non-significant; fr. wt. = fresh weight