

**Supplementary Table S1:** Result of multivariate analysis of variance MANOVA test for independent variables including Drought treatment, Composts (C) amendment and AMF consortium (M) and rhizobacteria (R) inoculation and interaction among them.

Parameters	M	R	C	Ct+	Drought (DS)	M×R	M×DS	M×C	R×DS	R×C	DS×Ct+	DS×C	M×R×DS	M×R×C	M×DS×C	R×DS×C	M×R×DS×C
Mycorrhization frequency	***	NS	***	NS	**	NS	NS	**	NS	*	NS	NS	NS	***	NS	NS	NS
Mycorrhization intensity	***	NS	***	NS	***	***	***	***	NS	**	NS	***	NS	***	***	*	**
Shoot height	*	***	NS	NS	NS	***	**	NS	NS	*	NS	NS	**	NS	NS	NS	NS
Root length	*	NS	NS	NS	***	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS
Shoot dry weight	***	***	***	***	***	NS	NS	**	***	***	***	NS	*	NS	***	**	NS
Root dry weight	*	***	*	*	***	NS	NS	NS	NS	**	**	*	NS	NS	NS	NS	NS
Spikelet height	***	NS	NS	*	***	NS	NS	NS	NS	**	NS	**	**	NS	**	NS	*
Seeds number	***	NS	NS	*	***	NS	***	*	NS	***	NS	*	NS	NS	NS	NS	NS
Grain yield	**	**	*	NS	***	NS	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS
Straw yield	***	NS	***	***	***	***	***	***	***	***	***	***	***	**	***	***	**
Spikelet dry weight	***	***	***	***	***	***	*	*	***	***	NS	***	***	***	***	***	***
Stomatal conductance	**	*	***	*	***	NS	NS	**	NS	NS	NS	NS	NS	*	NS	NS	*
Fv/Fm	***	***	***	NS	***	***	***	***	***	***	NS	***	***	***	***	***	***
Total Chlorophyll	***	NS	***	***	***	NS	***	***	***	***	NS	**	**	***	**	**	***
Carotenoids	***	NS	***	**	***	***	NS	NS	***	***	***	***	***	NS	***	***	***
Protein	NS	NS	NS	NS	***	NS	NS	NS	NS	NS	NS	***	NS	**	*	**	***
Total soluble sugar	***	***	***	***	***	***	**	***	*	***	***	***	NS	***	NS	NS	NS
Proline	NS	***	***	***	***	*	NS	***	***	NS	***	NS	*	*	***	NS	***
H <sub>2</sub> O <sub>2</sub>	**	***	NS	**	***	**	NS	***	NS	***	NS	NS	NS	NS	NS	NS	NS
MDA	***	***	NS	NS	***	NS	NS	NS	*	*	NS	NS	NS	NS	NS	NS	NS
POX	*	*	NS	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS
PPO	NS	NS	*	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	*
NTK	NS	NS	NS	NS	***	NS	NS	**	NS	NS	NS	NS	NS	**	NS	NS	NS
T-GRSP	NS	**	NS	NS	NS	***	***	***	NS	NS	NS	***	***	NS	***	NS	NS
AP	***	***	***	***	***	***	***	***	***	***	NS	NS	*	***	***	***	NS
TOC	NS	NS	NS	NS	*	NS	**	NS	NS	***	***	NS	**	NS	NS	NS	NS
TOM	NS	NS	NS	NS	*	NS	**	NS	NS	***	***	NS	**	NS	NS	NS	NS
pH	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	*	*	***	NS	NS	*
EC	***	***	***	*	***	***	***	***	***	NS	*	*	***	NS	NS	***	*

Fv/Fm: chlorophyll fluorescence; PPO: polyphenol oxidase activity; POX: peroxidase activity; H<sub>2</sub>O<sub>2</sub>: hydrogen peroxide; pH: hydrogen potential; EC: electrical conductivity; AP: available phosphorus; TOC: total organic carbon;

TOM: total organic matter; DS: salt stress; NS: not significant; \*Significant at P < 0.05, \*\*significant at P < 0.005, \*\*\*significant at P < 0.001