

Figure 1: Maize electrolyte leakage under ambient growing conditions for non-inoculated and inoculated plants.

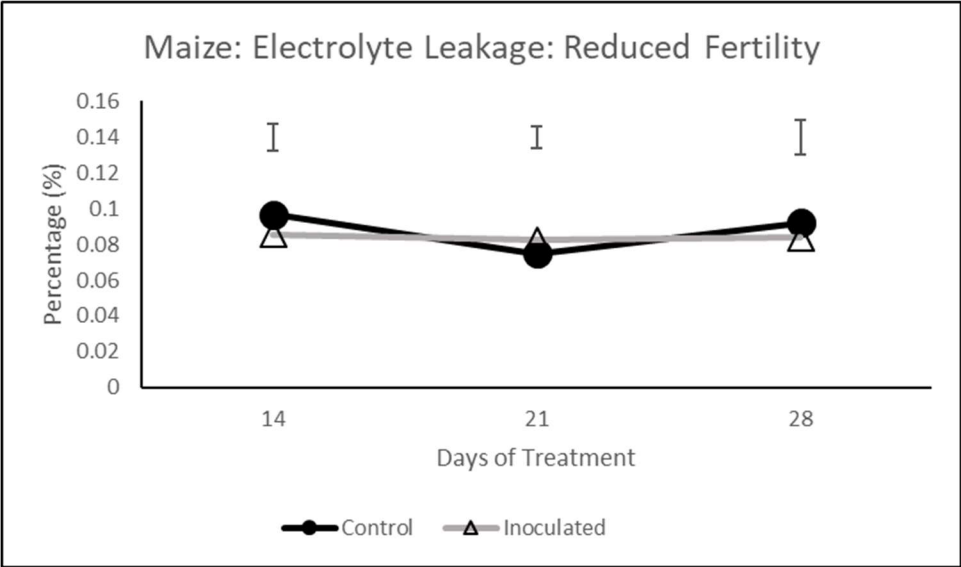


Figure 2: Maize electrolyte leakage under reduced fertility growing conditions for non-inoculated and inoculated plants.

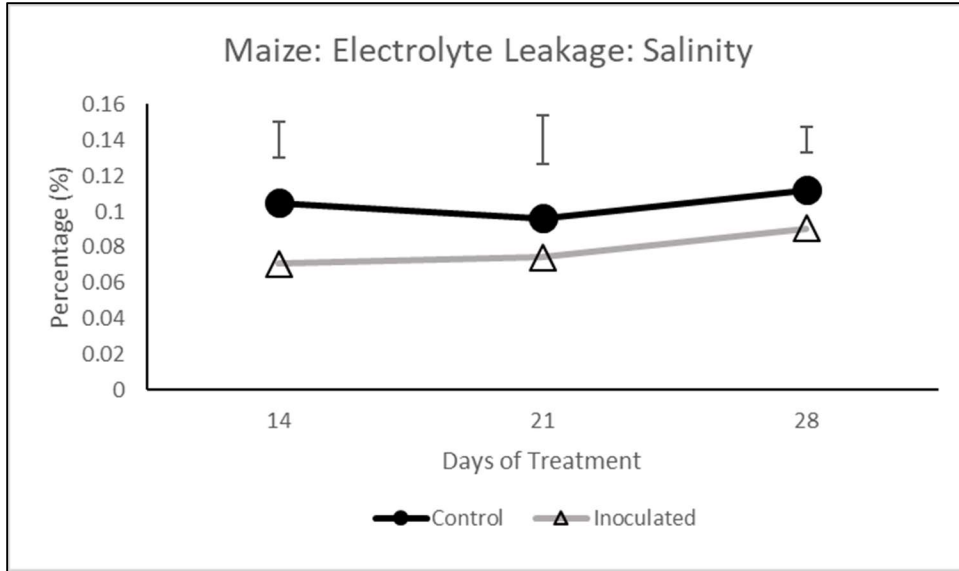


Figure 3: Maize electrolyte leakage under saline growing conditions for non-inoculated and inoculated plants.

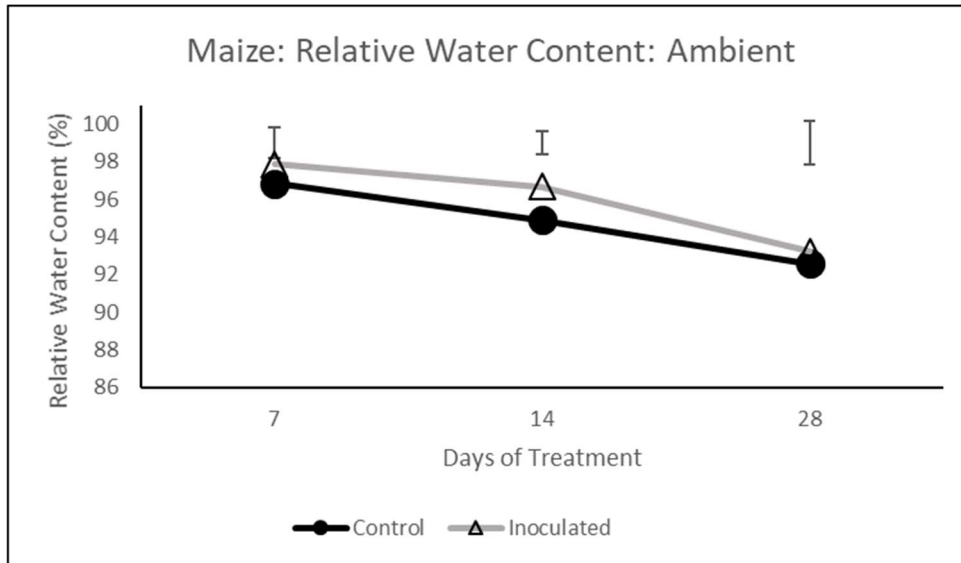


Figure 4: Maize leaf relative water content under ambient growing conditions for non-inoculated and inoculated plants.

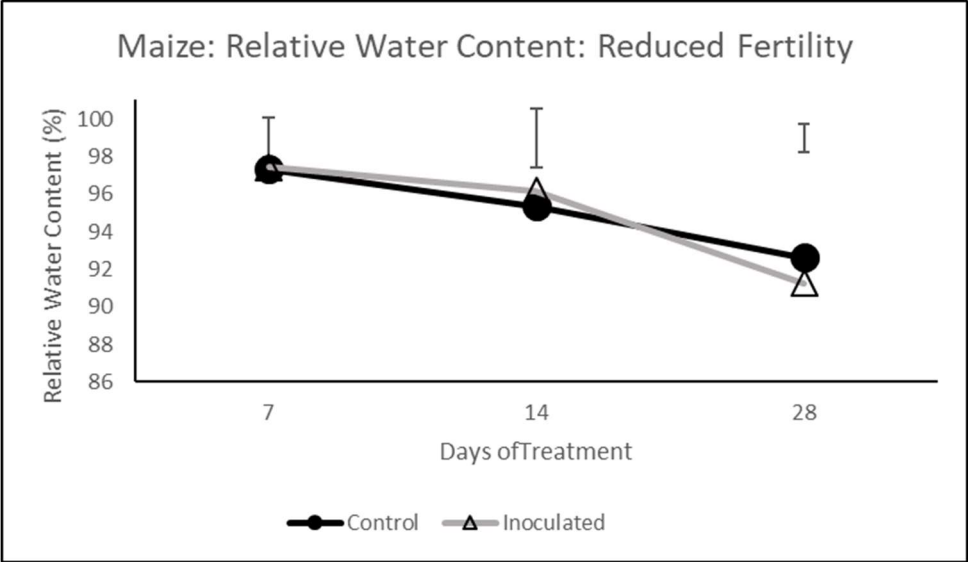


Figure 5: Maize leaf relative water content under reduced fertility growing conditions for non-inoculated and inoculated plants.

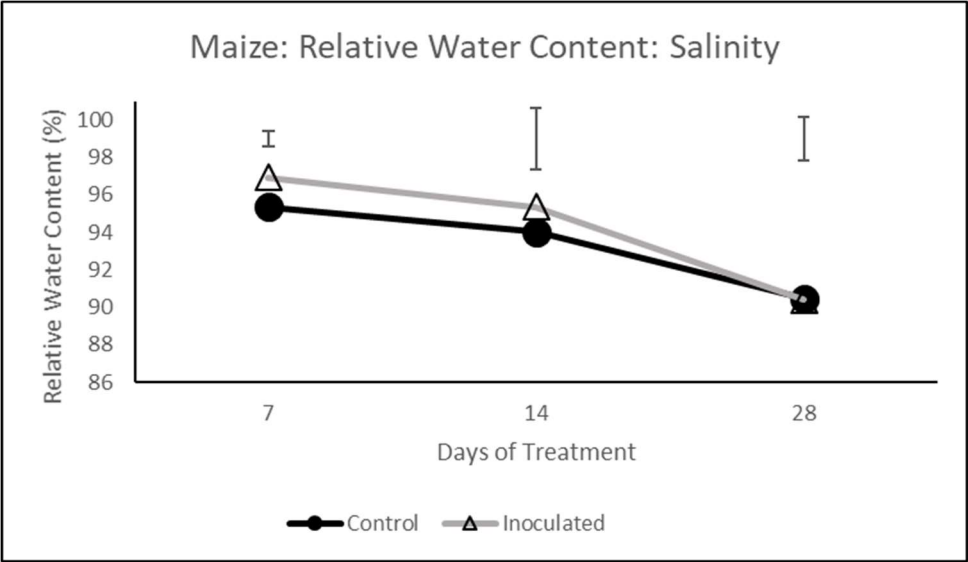


Figure 6: Maize leaf relative water content under saline growing conditions for non-inoculated and inoculated plants.

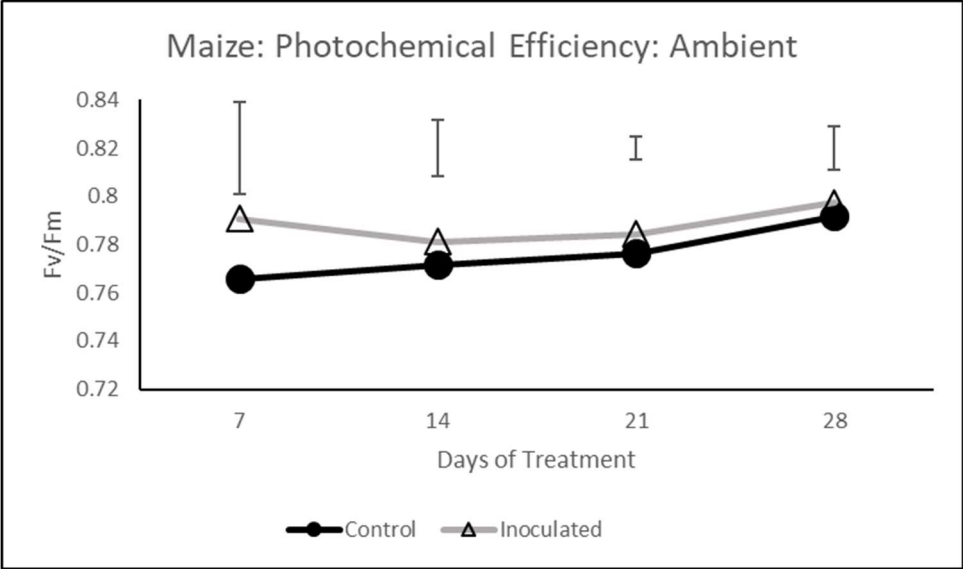


Figure 7: Maize photochemical efficiency (Fv/Fm) under ambient growing conditions for non-inoculated and inoculated plants.

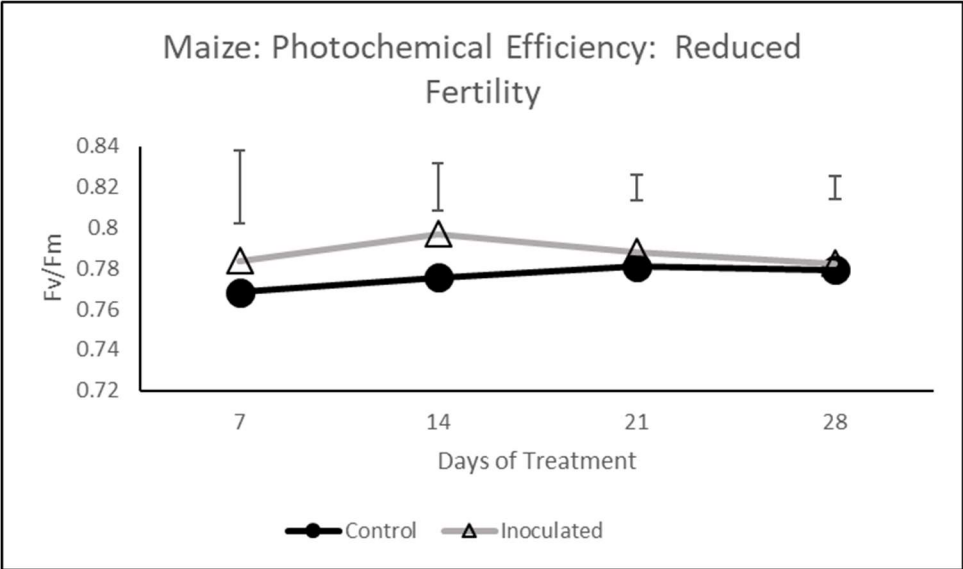


Figure 8: Maize photochemical efficiency (Fv/Fm) under reduced fertility growing conditions for non-inoculated and inoculated plants.

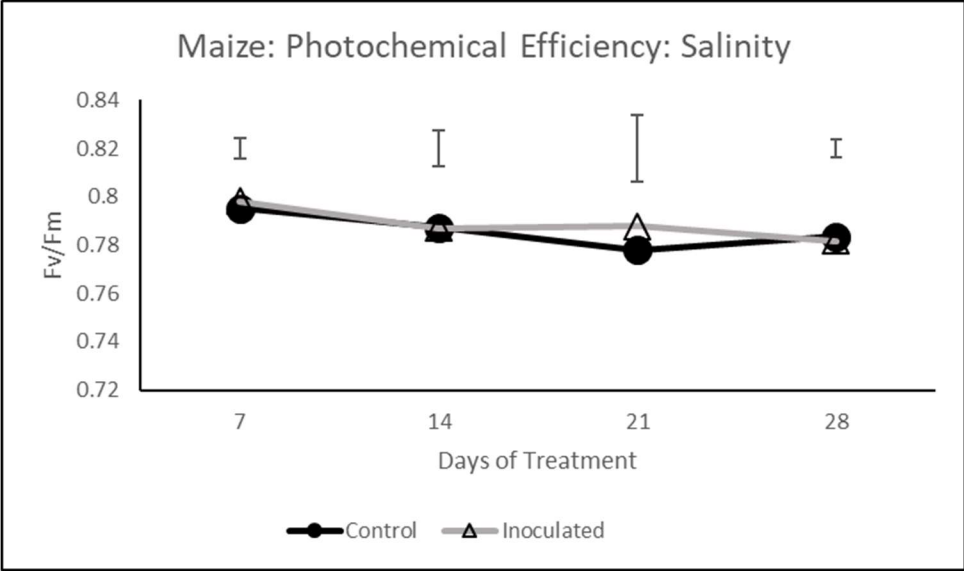


Figure 9: Maize photochemical efficiency (Fv/Fm) under saline growing conditions for non-inoculated and inoculated plants.

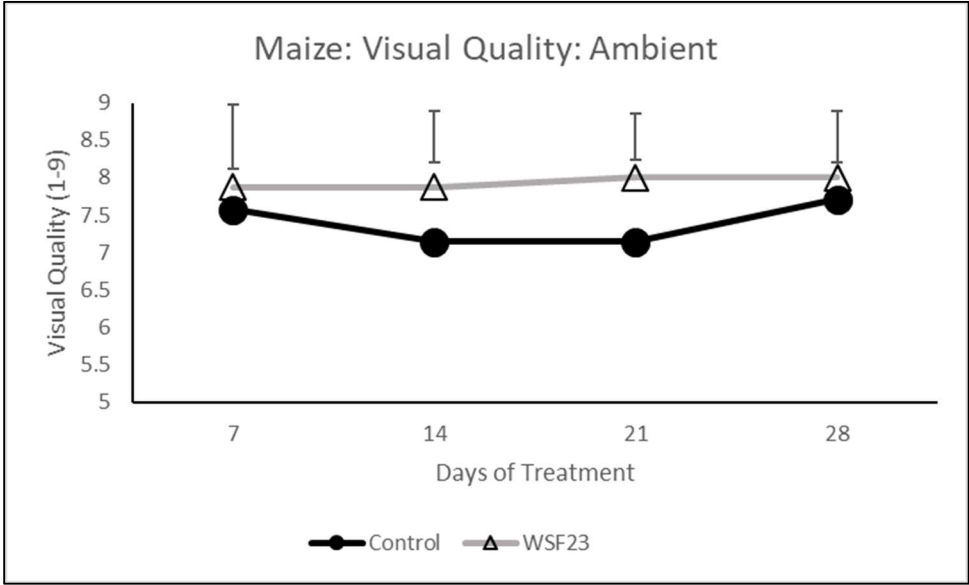


Figure 10: Maize visual quality under ambient growing conditions for non-inoculated and inoculated plants.

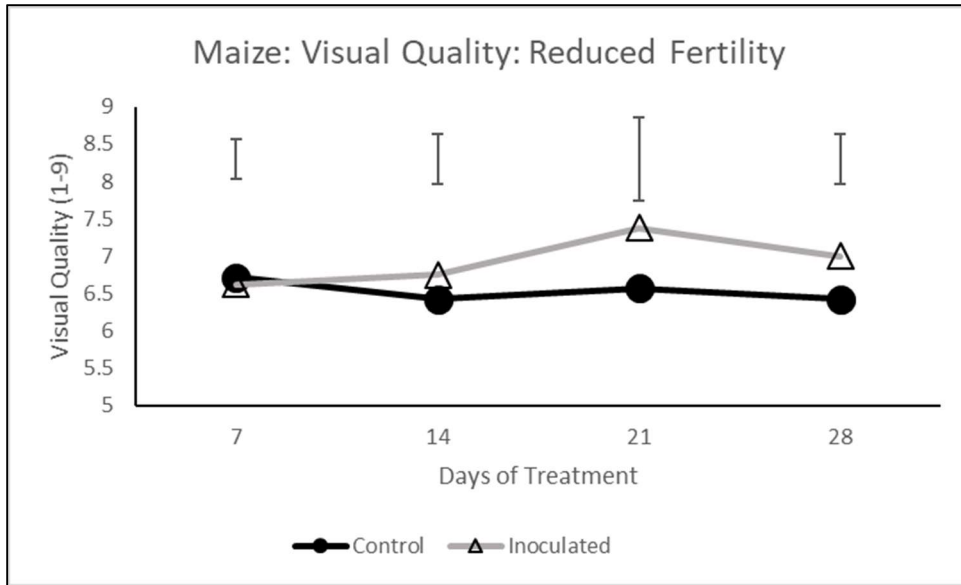


Figure 11: Maize visual quality under reduced fertility growing conditions for non-inoculated and inoculated plants.

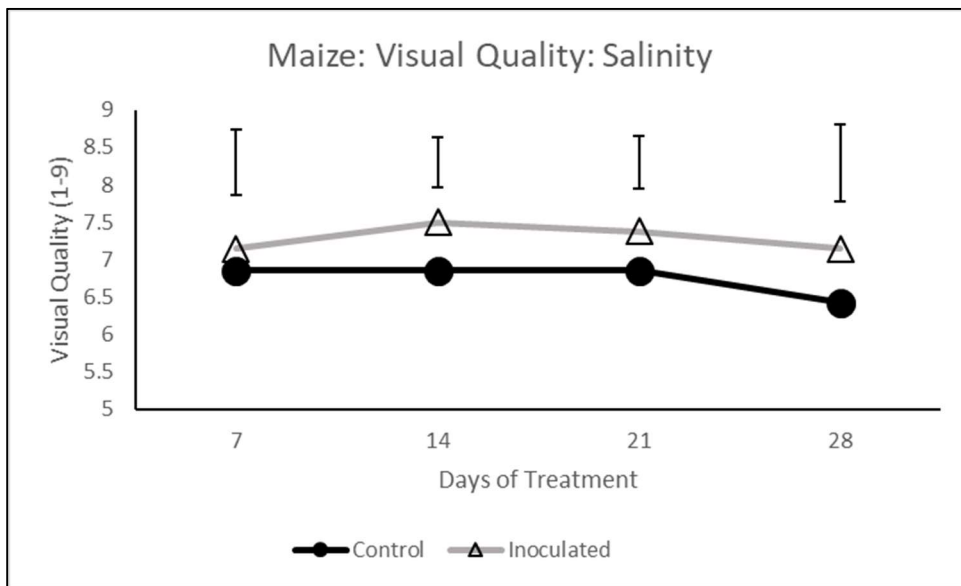


Figure 12: Maize visual quality under saline growing conditions for non-inoculated and inoculated plants.

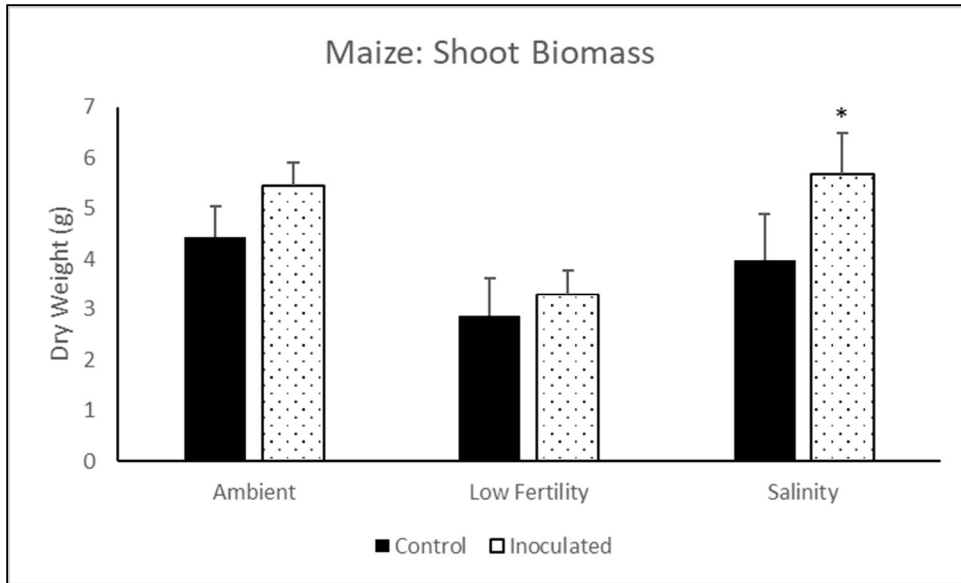


Figure 13: Maize shoot biomass after 28 days of stress treatments.

* indicates significant difference at $p < 0.05$.

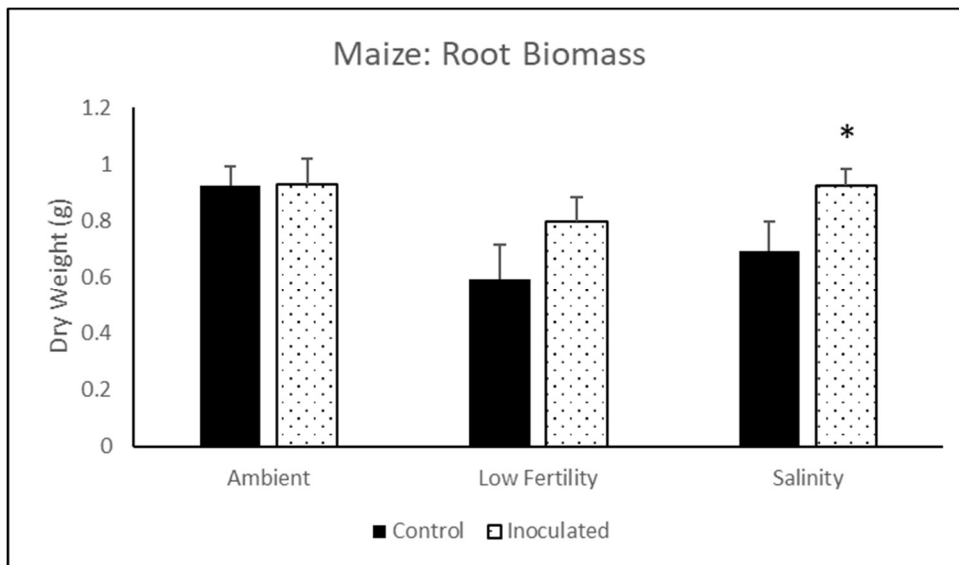


Figure 14: Maize root biomass after 28 days of stress treatments.

* indicates significant difference at $p < 0.05$.

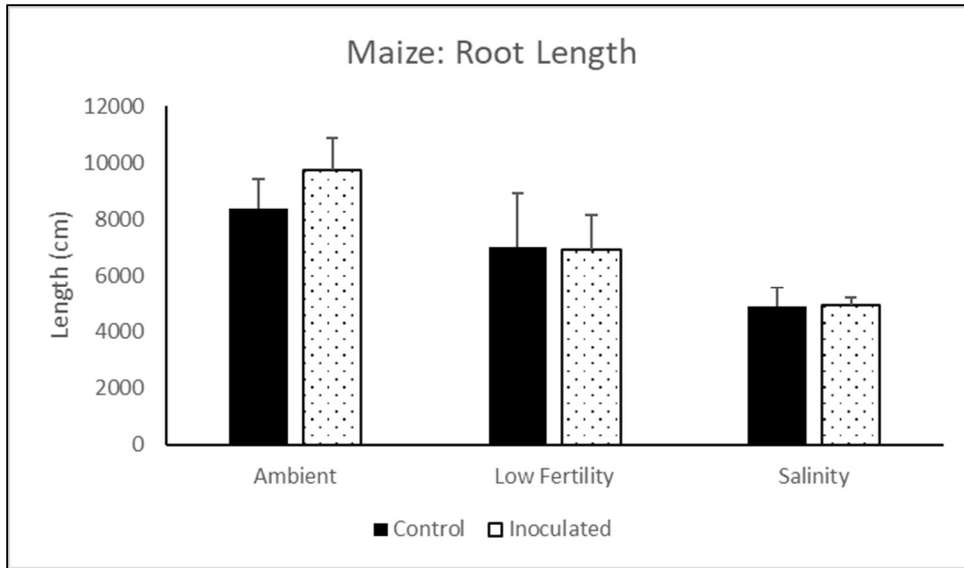


Figure 15: Maize root length after 28 days of stress treatments.

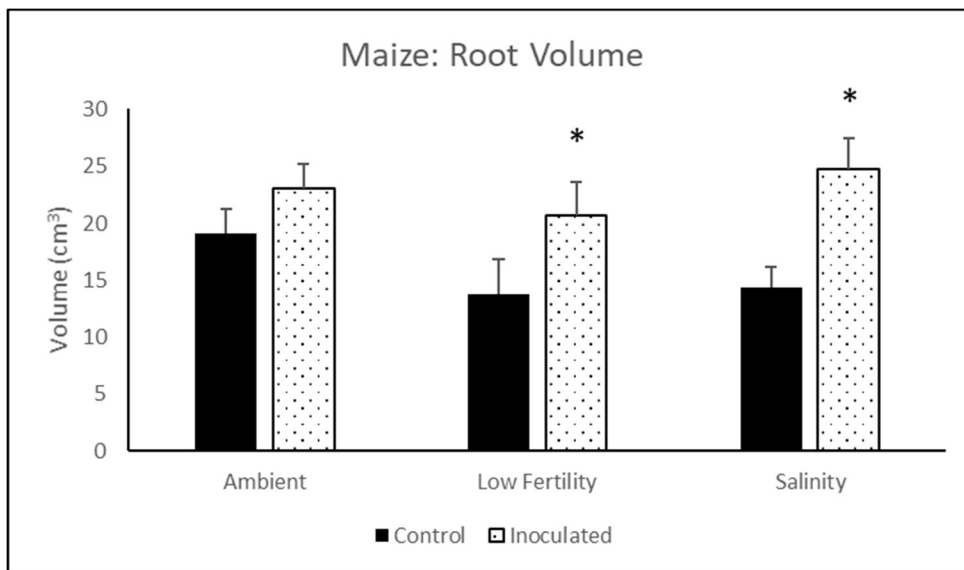


Figure 16: Maize root volume after 28 days of stress treatments.

* indicates significant difference at $p < 0.05$.

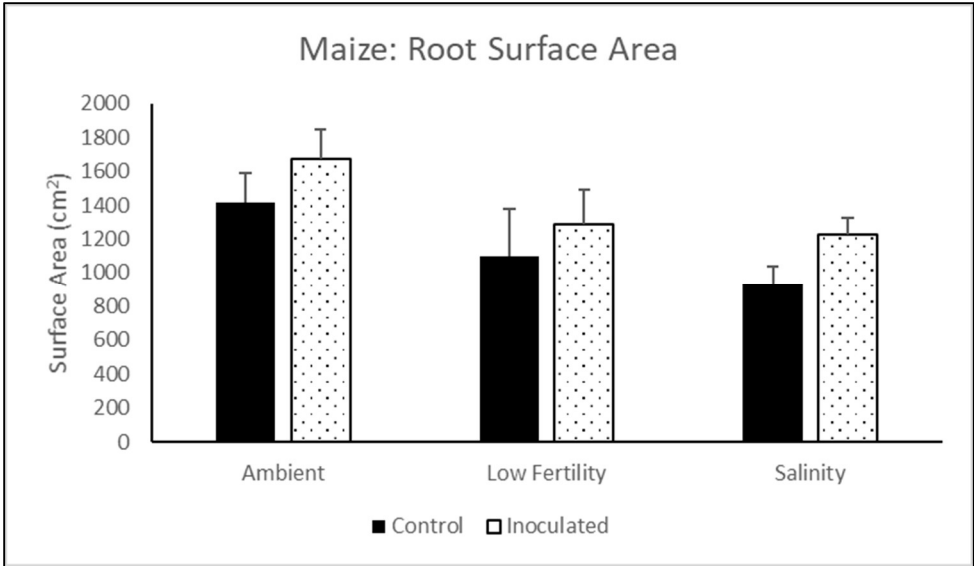


Figure 17: Maize root surface area after 28 days of stress treatments.

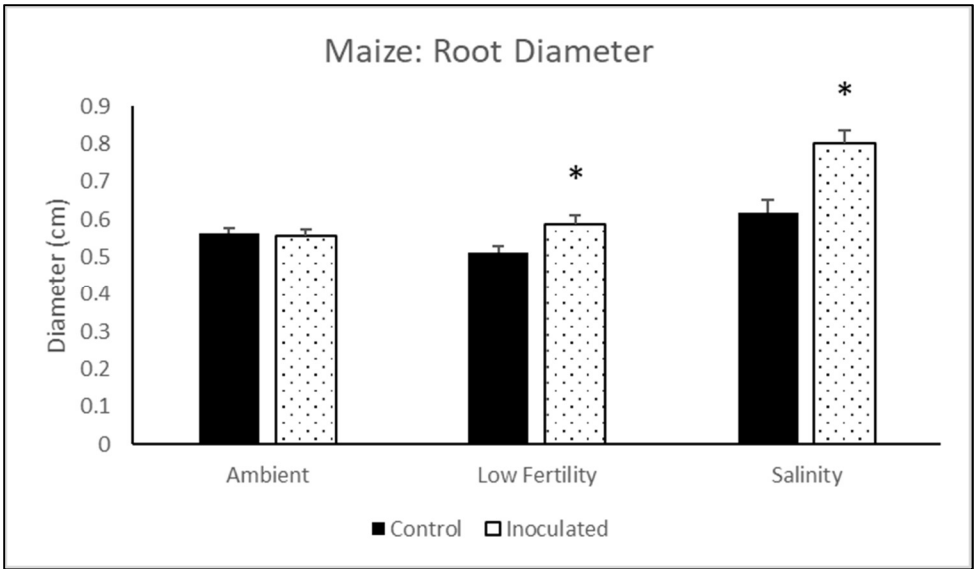


Figure 18: Maize root diameter after 28 days of stress treatments.

* indicates significant difference at p < 0.05.

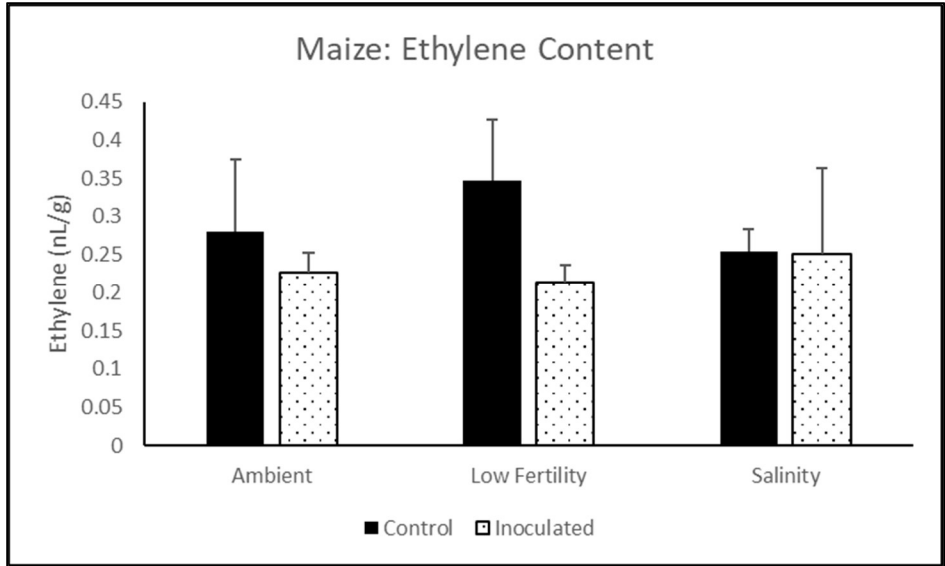


Figure 19: Maize ethylene content after 28 days of stress treatments.

Table 1: Nutrient analysis for maize under ambient conditions, salinity stress, and reduced fertility. Different letters indicate significant difference at $p < 0.05$.

	N %	P %	K %	Ca %	Mg %	S %	Mn mg/kg	Fe mg/kg	Cu mg/kg	B mg/kg	Al mg/kg	Zn mg/kg	Na mg/kg
Ambient													
Control	1.09 a	0.23 a	3.95 a	0.23 a	0.21 a	0.32 a	297.37 a	1302.14 a	17.50 a	7.68 b	743.56 a	24.87 a	3362.30 a
Inoculated	1.12 a	0.29 a	4.46 a	0.22 a	0.22 a	0.37 a	286.45 a	1544.34 a	14.11 a	9.52 a	765.30 a	24.76 a	2711.45 a
Reduced Fertility													
Control	0.76 a	0.30 a	4.08 a	0.14 a	0.16 a	0.25 a	191.31 a	710.15 a	5.66 a	7.18 a	364.39 a	17.03 a	1513.13 a
Inoculated	0.80 a	0.35 a	4.23 a	0.17 a	0.20 a	0.36 a	381.67 a	1097.39 a	7.09 a	7.26 a	620.77 a	21.41 a	3369.58 a
Salt													
Control	1.28 a	0.18 a	3.39 a	0.19 a	0.20 b	0.26 a	303.04 a	952.83 b	8.50 a	8.61 a	487.08 b	29.53 a	8595.20 a
Inoculated	1.16 a	0.20 a	3.42 a	0.18 a	0.24 a	0.23 a	270.42 a	2654.66 a	7.56 a	9.38 a	1430.28 a	30.47 a	9828.29 a