

Summary Table

Constructed community	Water Treatment	Biomass (g DW)	Root Biomass (g DW)	Root:Shoot	Root Mass Fraction
All Isolates	Drought	40.81 ± 16.90	31.13 ± 14.48	3.52 ± 1.84	0.75 ± 0.08
	Watered	74.95 ± 13.44	55.72 ± 15.33	4.14 ± 2.84	0.74 ± 0.13
Control	Drought	36.77 ± 13.54	25.95 ± 9.75	2.49 ± 0.55	0.70 ± 0.05
	Watered	65.27 ± 15.66	42.71 ± 7.14	2.14 ± 0.84	0.66 ± 0.07
Drought Isolates	Drought	49.26 ± 18.02	35.29 ± 13.60	2.48 ± 0.61	0.70 ± 0.05
	Watered	66.95 ± 23.07	54.17 ± 20.84	6.24 ± 5.41	0.81 ± 0.10
Nonfunctional Isolates	Drought	43.09 ± 12.14	30.49 ± 9.71	2.84 ± 1.56	0.70 ± 0.09
	Watered	89.25 ± 49.63	61.29 ± 38.36	2.30 ± 1.04	0.67 ± 0.07
Phosphorus Isolates	Drought	50.49 ± 12.08	40.35 ± 12.91	4.51 ± 2.44	0.78 ± 0.09
	Watered	73.53 ± 21.41	56.10 ± 13.03	4.13 ± 2.01	0.77 ± 0.09

% change relative to Control plants

Constructed community	Water Treatment	Mean Biomass (g DW)	Mean Root Biomass (g DW)
Control	Drought	36.77	25.95
	Watered	65.27	42.71
All Isolates	Change relative to control plants		
	Drought	+ 10.98%	+ 19.96%
	Watered	+ 14.83%	+ 30.46%
Drought Isolates	Drought	+ 33.97%	+ 35.99%
	Watered	+ 2.57%	+ 26.8%
Nonfunctional Isolates*	Drought	+ 17.19%	+ 17.50%
	Watered	+ 36.74%	+ 43.50%
Phosphorus Isolates	Drought	+ 37.31%	+ 55.49%
	Watered	+ 12.66%	+ 31.35%

\* this set of plants had outlier values > 4 \* the mean. % change may differ after removing the outliers