

Supplementary data

Impact of *Nitrospirillum amazonense* inoculation on the competitiveness of sugarcane pre-sprouted seedlings

Luana Carolina Gomes Jonck^{1*}, Patrícia Andrea Monquero¹, Marcia Maria Rosa Magri¹, Carina de Fatima Felipe¹

¹Center for Agricultural Sciences – Federal University of São Carlos, Araras, SP, Brazil.

*Corresponding author: Luana Carolina Gomes Jonck

E-mail: luanajonck@estudante.ufscar.br

ID ORCID: <https://orcid.org/0000-0003-2389-0096>

Table S1. Analysis of variance scheme using the F-test at 5% significance level for the species *U. decumbens*.

Source of Variation	p-value			
	Height	Shoot Biomass	Leaf Area	Root Biomass
Inoculation	0.0261	0.1036	0.0693	0.3858
Density	0.0113	0.0074	0.0001	0.1604
Interaction (Inoc x Dens)	0.7184	0.3587	0.3955	0.7630

*Inoc: Inoculation; Dens: Density. *p-value < α (0.05): Significant interaction; p-value > α (0.05): Non-significant interaction.

Table S2. Analysis of variance scheme using the F-test at 5% significance level for the species *M. aegyptia*.

Source of Variation	p-value			
	Height	Shoot Biomass	Leaf Area	Root Biomass
Inoculation	0.3240	0.5266	0.2820	0.4999
Density	0.0989	0.2594	0.0001	0.0323
Interaction (Inoc x Dens)	0.2973	0.1215	0.0078	0.2039

*Inoc: Inoculation; Dens: Density. *p-value < α (0.05): Significant interaction; p-value > α (0.05): Non-significant interaction.

Table S3. Analysis of variance scheme using the F-test at 5% significance level for the species *Cyperus rotundus*.

Source of Variation	Height	p-value		
		Shoot Biomass	Leaf Area	Root Biomass
Inoculation	0.2516	0.4541	0.0659	0.4972
Density	0.0782	0.0147	0.0030	0.0782
Interaction (Inoc x Dens)	0.4591	0.9141	0.2902	0.9251

*Inoc: Inoculation; Dens: Density. *p-value < α (0.05): Significant interaction; p-value > α (0.05): Non-significant interaction.