

# Nitrogen Source Influences the Effect of Plant Growth-Promoting Rhizobacteria (PGPR) on *Macadamia integrifolia*

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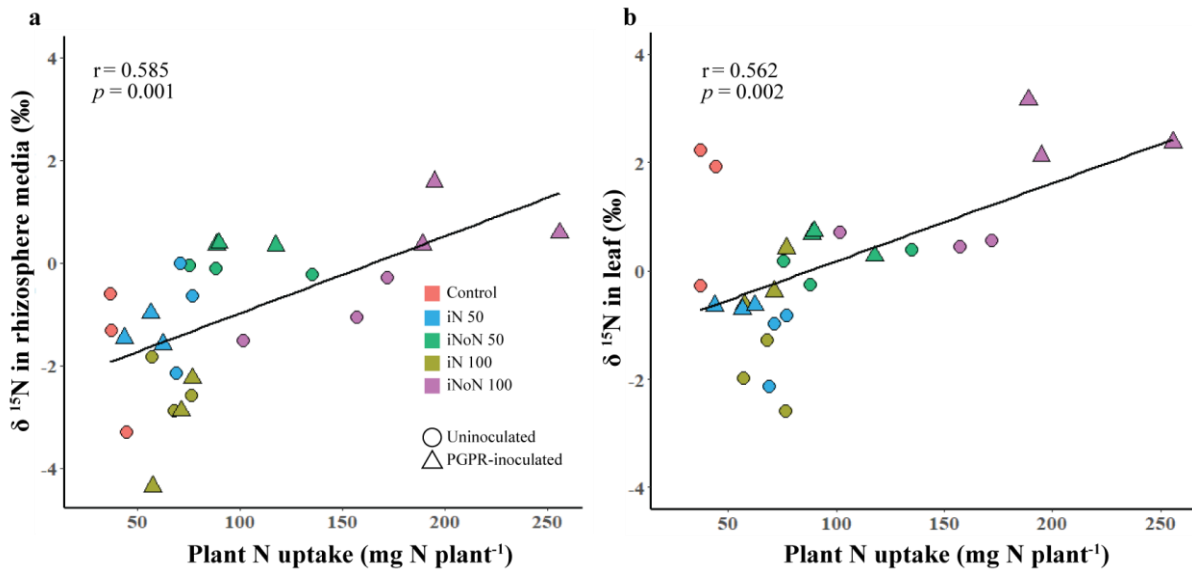
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## Supplementary Materials

**Table S1.** Potting medium physicochemical properties after 28 weeks.

	Contr ol		iN 50		iNoN 50		iN 100		iNoN 100		F (p)
	-	- PGPR	+ PGPR	- PGPR	+ PGPR	- PGPR	+ PGPR	- PGPR	+ PGPR		
Moisture (%)	51.0 ± 0.9	52.0 ± 0.9	52.3 ± 0.3	47.5 ± 2.3	51.6 ± 0.4	50.9 ± 0.5	51.2 ± 0.6	48.1 ± 1.8	47.6 ± 2	1.7 (0.049)	
EC (μS cm <sup>-1</sup> )	159.7 ± 9.8	183.4 ± 20	231.8 ± 23.8	223.9 ± 35.3	165.8 ± 14.3	153.9 ± 13.8	176.7 ± 26.1	236.8 ± 16.9	224.0 ± 27.1	1.4 (0.052)	
pH	6.41 ± 0.02	6.31 ± 0.06	6.28 ± 0.04	6.29 ± 0.07	6.34 ± 0.05	6.32 ± 0.08	6.32 ± 0.06	6.30 ± 0.03	6.40 ± 0.04	0.7 (0.671)	
C:N	73.0 ± 1.2abc	69.2 ± 1.6bc	71.5 ± 3.5abc	81.5 ± 2.0a	77.8 ± 2.1ab	73 ± 1.9abc	72.3 ± 2.0abc	66.7 ± 2.8c	65.5 ± 2.3c	5.1 (< 0.001)	
N <sub>ret</sub> <sup>1</sup> (g N pot <sup>-1</sup> )	1.42 ± 0.04a	1.30 ± 0.09b	1.40 ± 0.03ab	1.31 ± 0.05b	1.55 ± 0.11ab	1.54 ± 0.05ab	1.41 ± 0.03ab	1.55 ± 0.07ab	1.63 ± 0.02a	3.4 (0.002)	

Shown are mean (± SE) values from 20 replicates per treatment for moisture, EC and pH, and from ten replicates per treatment for C:N and N<sub>ret</sub>. Different letters indicate significant differences among treatments (1-way ANOVA and Tukey's post hoc tests, p < 0.05). <sup>1</sup>Media N retained (N<sub>ret</sub>).



**Figure S1.** Correlation between plant N uptake (mg N plant<sup>-1</sup>) of *Macadamia integrifolia* and (a) media δ<sup>15</sup>N (‰) and (b) leaf δ<sup>15</sup>N (‰). The glasshouse experiment included macadamia seedlings of cultivar 741 growing for 28 weeks under low and high N additions of inorganic N fertiliser (iN, 100% urea) or a combined application of inorganic N with poultry manure (iNoN, 50% urea + 50% EcoNPK<sup>TM</sup>). Each point represents one individual plant per treatment. Plant N uptake is a cumulative amount determined at the date of harvest.