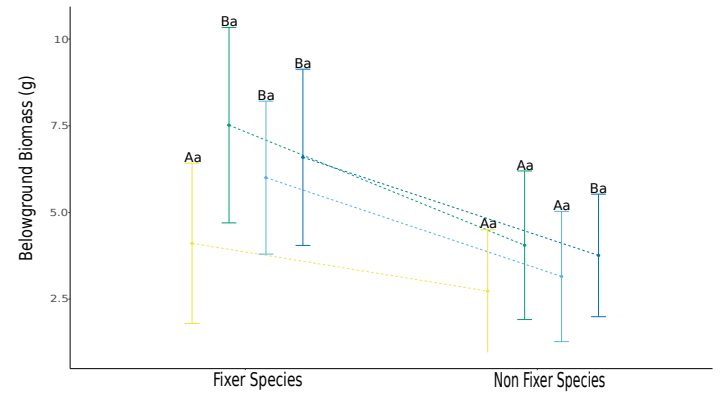
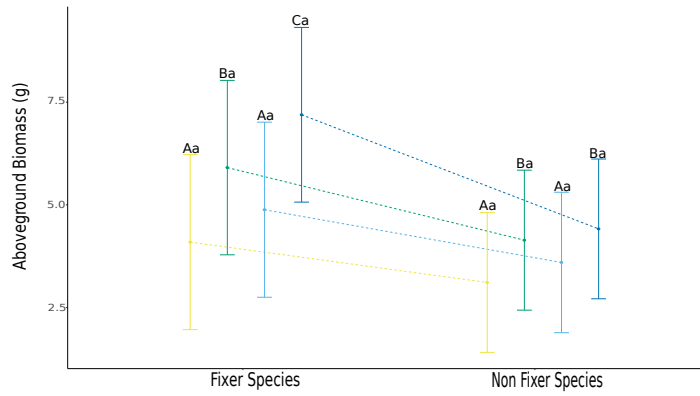
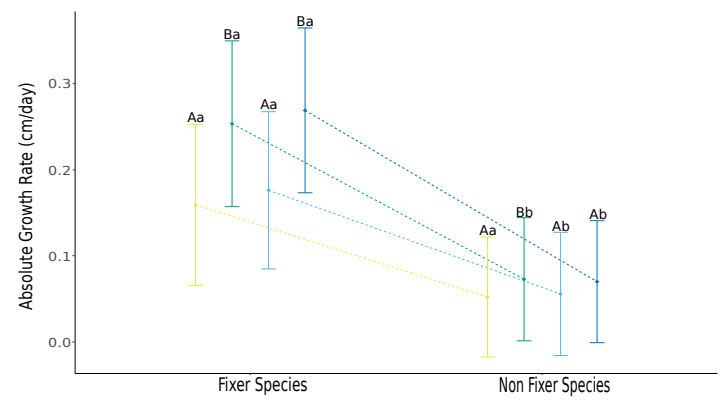
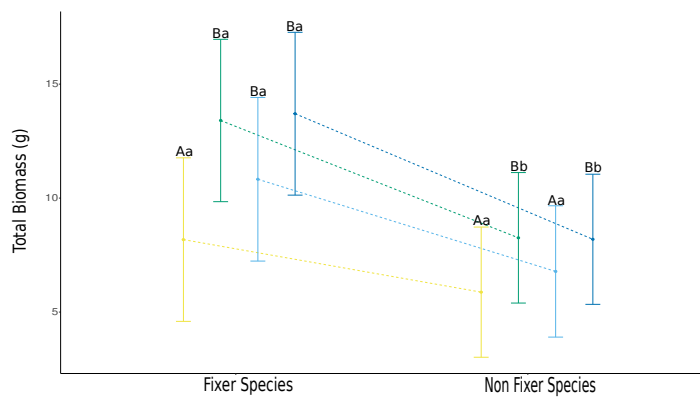


Genus species	Family	Leaf habit	Leaf type	Nitrogen fixer
Dalbergia Retusa	Fabaceae	deciduous	compound	yes
Gliricidia Sepium	Fabaceae	deciduous	compound	yes
Enterolobium Cyclocarpum	Fabaceae	deciduous	compound	yes
Hymenea Courbaril	Fabaceae	semi-deciduous	compound	no
Pachira quinata	Malvaceae	deciduous	compound	no
Simarouba glauca	Simaroubaceae	evergreen	compound	no
Tabebuia ochraceae	Bignoniaceae	deciduous	compound	no
Swietenia macrophylla	Meliaceae	deciduous	compound	no

Table 2: Tropical dry forest species used in the experiment



Treatments

- No addition
- Water addition
- Nutrients addition
- Nutrients and Water additions

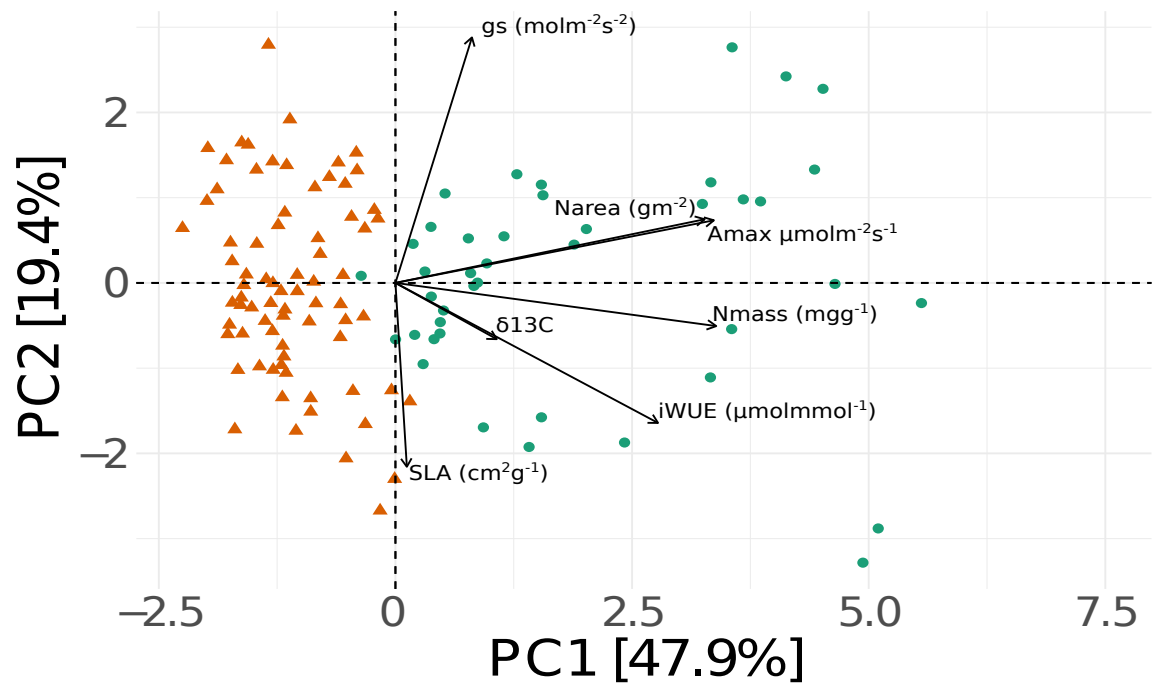
Variable	group	treatment	group x treatment
Total Biomass	1.450ns	17.844*	3.532*
Aboveground Biomass	0.745ns	27.070*	5.944*
Belowground Biomass	1.279ns	10.147*	3.454*
Absolute growth rate	4.830ns	11.769*	6.928*
Root mass fraction	0.017ns	4.906*	2.467ns
Stem mass fraction	0.086ns	2.413ns	2.055ns
Leaf mass fraction	0.00015ns	3.093*	2.688ns
Amax	12.984*	7.970*	7.385*
gs	16.511*	4.402*	2.225ns
iWUE	4.352ns	3.828*	0.005ns
d13c	2.535ns	1.391ns	0.665ns
SLA	0.281ns	4.197*	1.788ns
NArea	9.543*	0.417ns	1.209ns
NMass	13.848*	4.700*	2.519ns
Mycorrhizal colonization	0.490ns	1.590ns	0.358ns

TABLE N. F -ratios from a mixed model with species as a random effect and Fixer or Non-Fixer category (group) and treatment as fixed effects

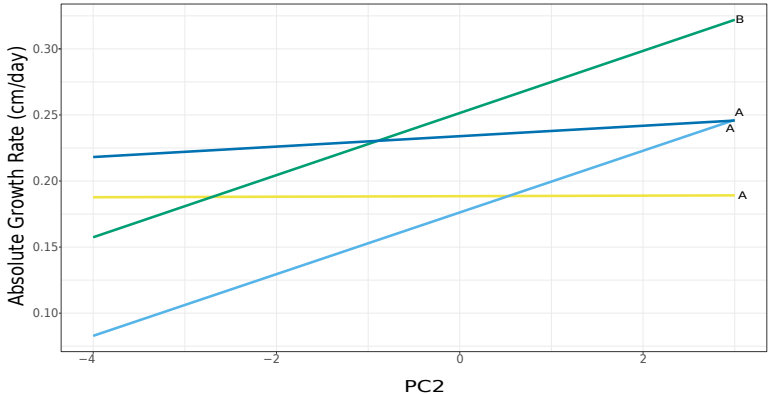
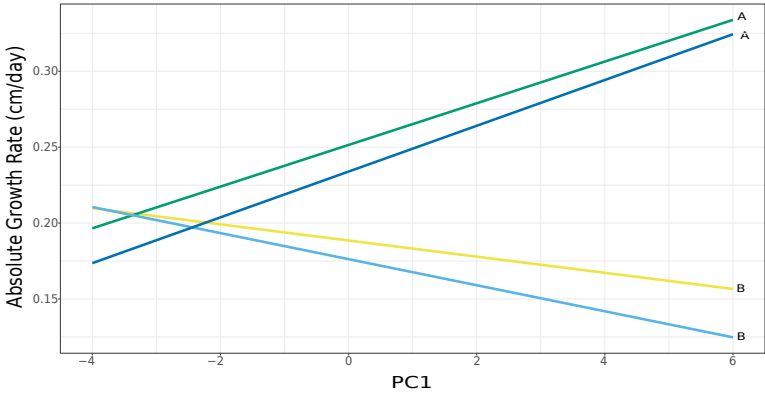
Notes: Significance: * $P < 0.05$, ** $P < 0.01$, and *** $P < 0.001$.

Component	PC 1	PC 2	PC 3
% of variance	47.9	19.4	15.8
<i>Loadings of traits</i>			
Amax	0.513	0.176	0.114
gs	0.123	0.69	0.373
iWUE	0.423	-0.393	
Narea	0.498	0.179	-0.153
Nmass	0.517	-0.121	0.151
d13c	0.163	-0.158	-0.592
SLA		-0.517	0.669

Table N Loading scores of 7 traits in the PCA among Nitrogen fixers and non fixers species



● Nitrogen Fixer species
▲ Non-Fixer species



Treatments

- No addition
- Nutrients addition
- Water addition
- Nutrients and water additions