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Supplement of

Tropical dry forest response to nutrient fertilization: a model validation and sensitivity analysis

Shuyue Li et al.

Correspondence to: David Medvigy (dmedvigy@nd.edu)

Supplement

Supplement Table S1. Validation of simulated leaf production for 63 parameter settings. Validation was done separately for: (i) the collection of control and +N plots, and (ii) the collection of +P and +NP plots. If the model and observations had a statistically significant difference ($p < 0.05$) for the control and +N plots, "CN" is entered in the table. If differences were found for the +P and +NP plots, "PNP" was entered in the table. The notation "-" indicates that no significant differences were found for either set of plots.

Leaf Production	a=0	a=0.1	a=0.2	a=0.3	a=0.4	a=0.5	a=0.6	a=0.7	a=0.8
b = -60	-	-	-	-	-	-	-	-	NPN
b = -40	-	-	-	-	-	-	-	-	-
b = -20	-	-	-	-	-	-	-	-	-
b = 0	-	-	-	-	-	-	-	-	-
b = 20	-	-	-	-	-	-	-	-	-
b = 40	-	-	-	-	-	-	-	-	-
b = 60	NPN	NPN	NPN	-	-	-	-	-	CN

Supplement Table S2. As for Supplement Table S1, but for wood production.

Wood Production	a=0	a=0.1	a=0.2	a=0.3	a=0.4	a=0.5	a=0.6	a=0.7	a=0.8
b = -60	PNP	PNP	PNP	PNP	PNP	-	-	-	-
b = -40	PNP	PNP	PNP	PNP	-	-	-	-	-
b = -20	PNP	PNP	PNP	PNP	-	-	-	-	-
b = 0	PNP	PNP	PNP	PNP	PNP	PNP	-	-	-
b = 20	-	-	CN	-	-	-	-	-	-
b = 40	-	CN	-	-	-	-	-	-	-
b = 60	-	-	-	-	-	-	-	-	-

Supplement Table S3. As for Table 1, but for fine root production.

Fine Production	Root	a=0	a=0.1	a=0.2	a=0.3	a=0.4	a=0.5	a=0.6	a=0.7	a=0.8
b = -60		CN,PNP	CN,PNP	CN,PNP	CN,PNP	CN,PNP	PNP	PNP	CN,PNP	CN,PNP
b = -40		CN,PNP	CN,PNP	CN,PNP	CN,PNP	CN,PNP	PNP	PNP	CN,PNP	CN
b = -20		CN,PNP	CN,PNP	CN,PNP	CN,PNP	CN,PNP	PNP	PNP	CN	CN
b = 0		CN,PNP	CN,PNP	CN,PNP	CN,PNP	CN,PNP	PNP	PNP	CN	CN
b = 20		CN,PNP	CN,PNP	CN,PNP	CN,PNP	-	-	CN	CN,PNP	CN,PNP
b = 40		CN,PNP	CN	CN	-	PNP	PNP	CN,PNP	CN,PNP	CN,PNP
b = 60		CN	CN,PNP	PNP	PNP	PNP	CN,PNP	CN,PNP	CN,PNP	CN,PNP