

Supplementary data

Phosphorus Fractions and Arbuscular Mycorrhizal Fungi Communities in a Tropical Coarse-Textured Soil under Natural Forest and Para-Rubber Ecosystems

Table S1. The absolute concentration in mg P/kg (mean±SD) and relative concentration (%) of phosphorus fractions in tropical sandy soils under natural forests (FR), young rubber (YR), mature rubber (MR), and old rubber plantations (OR)

Site	F _i -1	F _i -2	F _o -2	F _i -3	F _o -3	F _i -4	F _i -5	F _o -5	F _i -6	Total
FR	1.93 ^{Bf}	5.76 ^{Bef}	9.40 ^{Bde}	19.39 ^{Ac}	27.32 ^{Ab}	8.04 ^{Bde}	5.10 ^{ABef}	10.65 ^{Ad}	40.63 ^{Aa}	128.21
	±0.4	±0.3	±1.2	±1.6	±2.1	±0.6	±0.9	±1.5	±4.0	±12.6
	(1.5)	(4.5)	(7.3)	(15.1)	(21.3)	(6.3)	(4.0)	(8.3)	(31.7)	
YR	2.11 ^{Bd}	2.91 ^{Dd}	14.09 ^{Ab}	12.88 ^{Bc}	14.92 ^{Bb}	8.23 ^{Bd}	4.15 ^{Bd}	10.56 ^{Ac}	44.09 ^{Aa}	113.93
	±0.1	±0.5	±0.5	±3.0	±0.4	±0.5	±0.2	±1.2	±3.1	±9.5
	(1.9)	(2.6)	(12.4)	(11.3)	(13.1)	(7.2)	(3.6)	(9.3)	(38.7)	
MR	2.22 ^{ABd}	4.72 ^{Cd}	13.39 ^{Ac}	14.26 ^{Bc}	24.81 ^{ABb}	10.10 ^{Ac}	4.33 ^{Bd}	11.39 ^{Ac}	39.96 ^{Aa}	125.19
	±0.1	±0.4	±0.7	±0.4	±2.5	±0.7	±0.3	±1.2	±0.2	±6.5
	(1.8)	(3.8)	(10.7)	(11.4)	(19.8)	(8.1)	(3.5)	(9.1)	(31.9)	
OR	2.83 ^{Ae}	7.82 ^{Ad}	7.88 ^{Bd}	10.94 ^{Bc}	28.53 ^{Ab}	11.04 ^{Ac}	5.75 ^{Ad}	10.89 ^{Ac}	33.18 ^{Ba}	118.86
	±0.1	±0.6	±1.1	±1.4	±0.8	±0.1	±0.5	±2.1	±2.4	±9.1
	(2.4)	(6.6)	(6.6)	(9.2)	(24.0)	(9.3)	(4.8)	(9.2)	(27.9)	

F_i-1=Water-extractable P; F_i-2=NaHCO₃-extractable P; F_o-2=NaHCO₃-extractable P_o; F_i-3=NaOH_{0.1}-extractable P; F_o-3=NaOH_{0.1}-extractable P_o; F_i-4=HCl-extractable P; F_i-5=NaOH_{0.5}-extractable P; F_o-5=NaOH_{0.5}-extractable P; F_i-6=Residual P.

Data in parentheses represent the relative percentage of the total P extracted by each fraction step. Different uppercase letters in the same columns indicate significant (p<0.05) difference between the sites, whereas different lowercase letters in the same rows indicate significant (p<0.05) difference between the fractions.

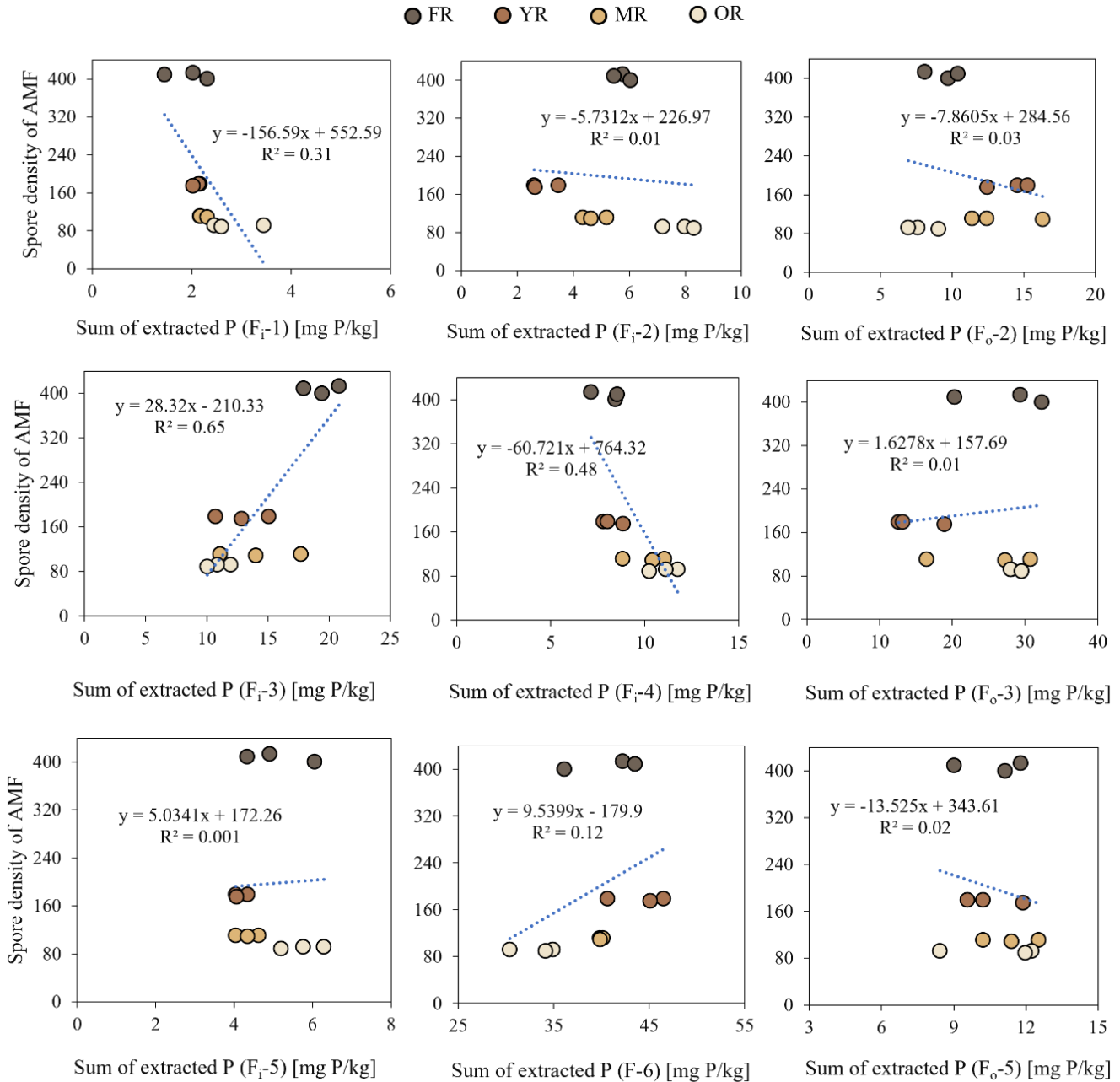


Figure S1. The correlation of extracted P and AMF spores in tropical sandy soils under natural forest (FR), young rubber (YR), mature rubber (MR), and old rubber (OR) plantations.