

**Table 3. Fits of soil nutrient vectors onto NMDS ordinations for the BCI 50-ha plot, the La Planada 25-ha plot, and the Yasuni 25-ha plot**

Soil variable	<u>BCI</u>		<u>La Planada</u>		<u>Yasuni</u>	
	$r^2$	P	$r^2$	P	$r^2$	P
Al	0.376	< 0.001	0.212	<0.001	0.475	<0.001
B	0.562	< 0.001	-	-	-	-
Ca	0.569	< 0.001	0.585	<0.001	0.613	<0.001
Cu	0.472	< 0.001	0.217	<0.001	0.306	<0.001
Fe	0.467	< 0.001	0.602	<0.001	0.265	<0.001
K	0.631	< 0.001	0.658	<0.001	0.151	0.003
Mg	0.474	< 0.001	0.618	<0.001	0.535	<0.001
Mn	0.318	< 0.001	0.158	0.001	0.158	0.001
P	0.440	< 0.001	0.616	<0.001	0.332	<0.001
Zn	0.693	< 0.001	0.361	<0.001	0.302	<0.001
N	0.382	< 0.001	0.564	<0.001	0.290	<0.001
N <sub>min</sub>	0.615	< 0.001	0.112	0.008	0.058	0.227

Species compositions in 50 × 50 m quadrats were subjected to unconstrained NMDS ordinations in four dimensions, and soil nutrient vectors were fitted to NMDS axis 1 scores such that the projection of points onto vectors have maximum correlations with the corresponding soil variables. N<sub>min</sub>, N mineralization rate. Species with mean densities of <1 tree per ha were not included in the ordinations.