

Table 10. Variogram model fit parameters for soil properties for the Yasuni 25-ha plot

Soil variable	Lambda	Trend order	Model	Nugget	Partial sill	Effective range (m)
Al	0.5	2	Spherical	11.89	57.62	102.9
Ca	0.5	2	Spherical	22.35	262.4	87.3
Cu	0.5	2	Exponential	0.1196	0.6269	277.1
Fe	0.5	2	Exponential	11.01	43.74	242.5
K	0.0	1	Spherical	0.4217	1.701	203.8
Mg	0.0	2	Spherical	0.1	0.44	68.0
Mn	0.5	2	Exponential	15.12	71.57	227.5
P	0.5	2	Spherical	0.5789	1.31	283.9
Zn	0.5	2	Exponential	0.3	0.4	90.3
N	0.0	2	Spherical	0.0171	0.0742	173.0
N _{min}	0.5	2	Spherical	2.502	1.748	78.6
pH	0.5	2	Exponential	0.0017	0.0302	181.0

All other details are given in the legend to Table 8.