

Soil variable	df _{time}	F _{time}	P	Observation year			
				2010	2011	2012	2013
pH (A horizon)	2.597	6.837	<0.001	4.59 ± 0.04	4.54 ± 0.03	4.63 ± 0.04	4.69 ± 0.04
pH (B horizon)	2.823	9.634	<0.001	4.39 ± 0.02	4.29 ± 0.02	4.35 ± 0.02	4.37 ± 0.02
C:N ratio (A horizon)	2	141.239	<0.001	11.26 ± 0.23	16.35 ± 0.29	15.81 ± 0.27	
C:N ratio (B horizon)	2	292.004	<0.001	7.38 ± 0.17	16.59 ± 0.51	18.25 ± 0.36	
Organic C (%; A horizon)	1.823	3.285	0.047	8.01 ± 0.25	7.5 ± 0.2	7.44 ± 0.27	
Organic C (%; B horizon)	1.699	6.947	0.003	3.09 ± 0.15	2.69 ± 0.09	2.84 ± 0.09	
Total N (%; A horizon)	1.307	107.053	<0.001	0.72 ± 0.02	0.46 ± 0.01	0.47 ± 0.02	
Total N (%; B horizon)	1.038	228.865	<0.001	0.42 ± 0.02	0.16 ± 0.01	0.16 ± 0.01	
Ca ²⁺ (mg g ⁻¹ ; A horizon)	2	5.064	0.008	819.5 ± 42.8	857.3 ± 30.2	968.7 ± 49.8	
Ca ²⁺ (mg g ⁻¹ ; B horizon)	2	135.567	<0.001	107.3 ± 8.7	247.4 ± 9.8	273.7 ± 10.7	
Mg ²⁺ (mg g ⁻¹ ; A horizon)	1.787	8.497	0.001	139.6 ± 5.6	137.4 ± 3.8	160.8 ± 6.1	
Mg ²⁺ (mg g ⁻¹ ; B horizon)	2	208.368	<0.001	19.58 ± 1.77	58.07 ± 1.95	54.69 ± 1.67	
P (mg g ⁻¹ ; A horizon)	1.394	14.983	<0.001	17.65 ± 2.09	27.56 ± 1.31	23.42 ± 1.82	
P (mg g ⁻¹ ; B horizon)	2	51.29	<0.001	8.6 ± 1.47	20.8 ± 1.79	19.27 ± 1.92	
K ⁺ (mg g ⁻¹ ; A horizon)	2	1.232	0.297	227.7 ± 8.4	215.3 ± 7.6	221.1 ± 8.9	
K ⁺ (mg g ⁻¹ ; B horizon)	2	7.708	0.001	70.39 ± 2.84	80.98 ± 2.84	77.84 ± 2.69	