

**Table S1.** Mean  $\pm$  standard error of calcium (Ca), magnesium (Mg), potassium (K), sodium (Na), phosphorus (P) and sulfur (S) contents in Oi horizon of an abandoned chestnut forest (ACF), a chestnut forest for wood production with a tree density of 151 plants ha<sup>-1</sup> (WCF), a chestnut forest for nut production with a tree density of 120 plants ha<sup>-1</sup> (NCF<sub>H</sub>) and a chestnut forest for nut production with a tree density of 98 plants ha<sup>-1</sup> (NCF<sub>L</sub>).

Forest	Ca	Mg	K	Na	P	S
	g kg <sup>-1</sup>			mg kg <sup>-1</sup>		
ACF	13.21 $\pm$ 1.35	2.49 $\pm$ 0.04	2.65 $\pm$ 0.40	0.20 $\pm$ 0.01	873 $\pm$ 50	852 $\pm$ 47
WCF	9.37 $\pm$ 0.32	2.73 $\pm$ 0.26	2.16 $\pm$ 0.23	0.14 $\pm$ 0.00	1000 $\pm$ 126	770 $\pm$ 19
NCF <sub>H</sub>	5.88 $\pm$ 0.44	3.76 $\pm$ 1.20	3.42 $\pm$ 0.24	0.16 $\pm$ 0.02	762 $\pm$ 81	695 $\pm$ 78
NCF <sub>L</sub>	8.34 $\pm$ 0.80	2.25 $\pm$ 0.26	1.32 $\pm$ 0.18	0.37 $\pm$ 0.05	598 $\pm$ 75	640 $\pm$ 66