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Appendix 1. Mean Soil Carbon and Nitrogen Stocks, Concentrations, C:N, and Bulk Densities within the 10 to 20 cm Depth Interval in the Chronosequence Sites (3 - 96) years since abandonment) on Each of the Three Soil Types

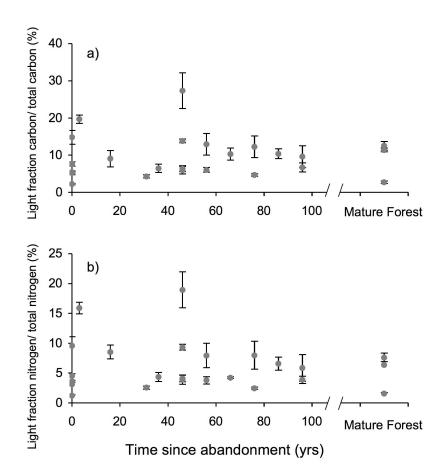
	Podzol	Brunisol	Luvisol
Soil Property			
Soil C (kg C m ⁻²)	1.50 (0.16)	1.59 (0.08)	1.96 (0.10)
Soil N (kg N m ⁻²)	0.10 (0.01)	0.11 (0.01)	0.14 (0.01)
Soil C (g/100 g dw)	1.61 (0.17)	1.76 (0.12)	1.80 (0.08)
Soil N (g/100 g dw)	0.11 (0.01)	0.12 (0.01)	0.13 (0.01)
Soil C:N	15.1 (0.5)	15.4 (0.5)	13.6 (0.2)
Bulk density (g cm ⁻³)	0.93 (0.02)	0.93 (0.04)	1.09 (0.02)

Values represent means (n = 10 each for the Podsol and Luvisol; n = 16 for the Brunisol) and parentheses indicate standard errors.

Appendix 2. Soil Free-light Fraction Carbon and Nitrogen Stocks in Adjacent Mature Forest and Agricultural Field Sites on the Brunisol Soil Type

Soil Property	Forest	Field
Free-light fraction C (kg C/m ²)	0.28 (0.06)	0.16 (0.05)
Free-light fraction N (g C/m ²)	11.6 (2.8)	8.3 (3.0)

Values are means of three replicates, because only forest sites without a continuous OeOa layer were included (parentheses indicate standard errors).



Appendix 3. Soil free-light fraction carbon as a percentage of total soil carbon (a) and soil free-light fraction nitrogen as a percentage of total soil nitrogen (b) within 0 to 10 cm depth in the chronosequence sites on the Brunisol soil type. Ratios were calculated using concentrations (per g mass). Means for the three mature forest sites without a continuous OeOa layer are also shown. Each data point is the mean of five cores per site except for one mature forest site that had three cores without an OeOa layer (bars = +/- 1 SE).