
Addition of logging residues short-term affects basic soil parameters and soil organic carbon in six types of urban plantations

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Supplementary Materials

Table S1: Tree stand characteristics before and after thinning in experimental sample plots set up in six urban plantations.

Species	W (ha)	BTD (cm)	BTH (m)	BTN (trees/ha)	BTV (m ³ /ha)	ATN (trees/ha)	ATV (m ³ /ha)
Pk	1.48	26.92	15.83	325	187.32	256	184.60
F	1.23	16.98	12.80	625	132.84	429	127.29
L	0.82	16.00	13.49	750	165.50	690	160.47
B	1.27	9.86	10.25	1175	88.53	1099	80.46
J	1.23	20.88	15.72	450	192.60	421	182.08
Ps	1.22	14.74	13.1	1075	153.58	1055	149.97

W, woodland area; BTD, before thinning mean diameter at breast height; BTH, before thinning mean height; BTN, before thinning stem number; BTV, before thinning timber stock per unit area; ATN, after thinning stem number; ATV, after thinning timber stock per unit area; Pk, *Picea koraiensis* plantations; F, *Fraxinus mandshurica* plantations; L, *Larix gmelinii* plantations; B, *Betula platyphylla* plantations; J, *Juglans mandshurica* plantations; Ps, *Pinus sylvestris* var. *mongolica* plantations.

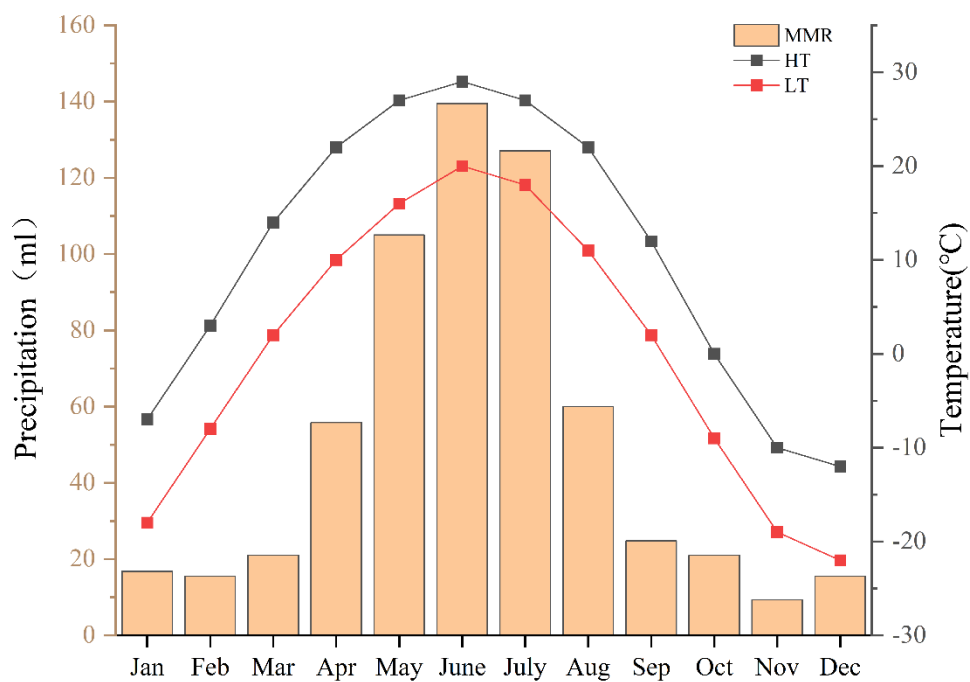


Figure S1. Monthly average precipitation and temperature statistics of Harbin. MMR, monthly average precipitation (mL); HT, monthly average maximum temperature (°C); LT, monthly average minimum temperature (°C).

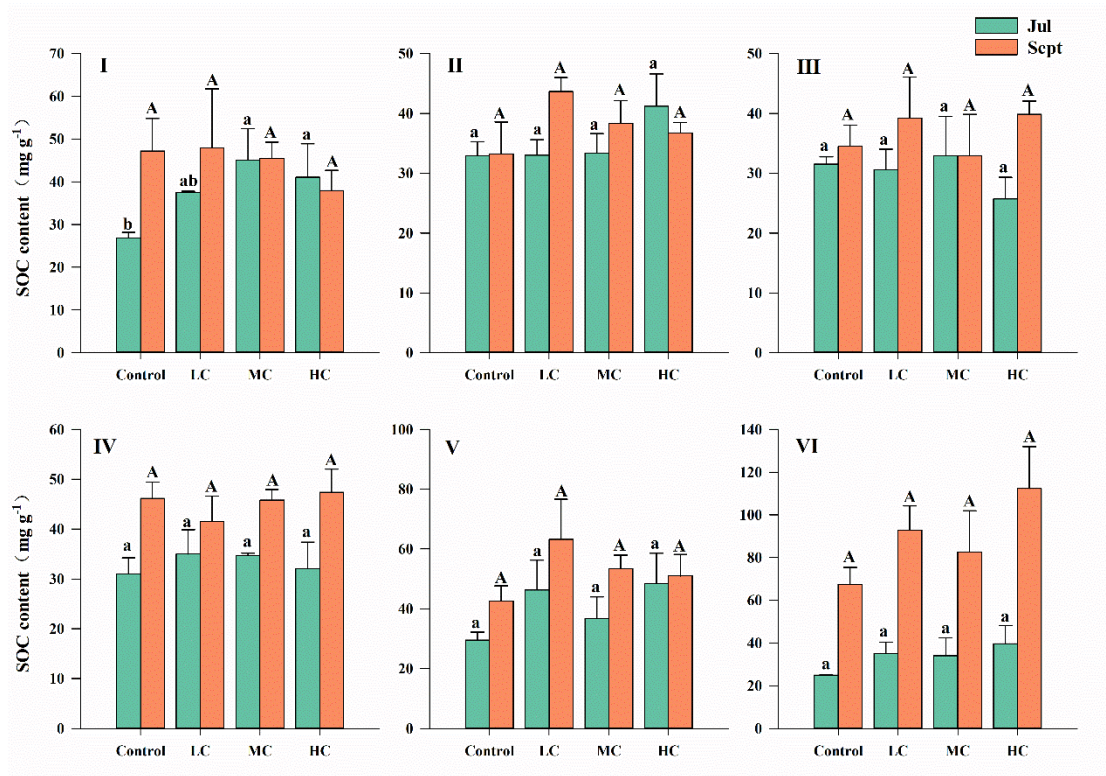


Figure S2. SOC content (mean $\pm$ SE, $n = 3$) at 10–20 cm at 3 months of addition (April to July) versus 5 months of addition (April to September) of different logging residue treatments under the six tree species. Control, 0 addition; LC, 250 gC/m²; MC, 500 gC/m²; HC, 1000 gC/m²; I, *Picea koraiensis* plantations; II, *Fraxinus mandshurica* plantations; III, *Larix gmelinii* plantations; IV, *Betula platyphylla* plantations; V, *Juglans mandshurica* plantations; VI, *Pinus sylvestris* var. *mongolica* plantations. Different uppercase and lowercase letters indicate significant differences between treatments within July and September ($p < 0.05$), respectively.