

Table S1. Poplar clone 'I-214': LMM results for influence of age and planting distance DBH of trunks.

Parameters	Estimated coefficient	SE	p-value^[a]
Intercept	6.951	3.396	0.0452 *
Age	2.123	0.455	0.00002 **
Distance	-0.655	0.653	0.3209 n.s.
Age×Distance	0.198	0.089	0.0319 *
Fit statistics			
R ²	0.967		
Deviance	203.53		

^[a] *: $p \leq 0.05$; **: $p \leq 0.01$; n.s: $p > 0.05$

Table S2. Poplar clone 'I-214': LMM results for influence of age and planting distance on volume per hectare.

Parameters	Estimated coefficient	SE	p-value^[a]
Intercept	-32.501	11.007	0.0054790 ***
Age	16.308	0.870	0.0000000 ***
Distance	-7.976	1.508	0.0000047 ***
Fit statistics			
R ²	0.841		
Deviance	321.50		

[a] ***: $p \leq 0.001$

Table S3. Walnut: LMM results for influence of age, planting distance and intercropped biomass species on DBH of trunks.

Parameters ^[a]	Estimated coefficient	SE	<i>p</i> -value ^[b]
Intercept	0.414	0.705	0.5740 n.s.
Age	1.411	0.352	0.0001 ***
Age:alleycoppice_Oc	-0.907	0.485	0.0628 n.s.
Age:alleycoppice_Cb	-0.726	0.445	0.1045 n.s.
Age:alleycoppice_Fr	-0.884	0.450	0.0510 n.s.
Age:alleycoppice_O	1.152	0.460	0.0130 **
Age:alleycoppice_P	0.415	0.485	0.3929 n.s.
Age:alleycoppice_Pl	1.238	0.460	0.0077 ***
Age:alleycoppice_Ca:Dist	0.033	0.049	0.4981 n.s.
Age:alleycoppice_Oc:Dist	0.164	0.049	0.0010 ***
Age:alleycoppice_Cb:Dist	0.138	0.042	0.0012 ***
Age:alleycoppice_Fr:Dist	0.144	0.042	0.0006 ***
Age:alleycoppice_O:Dist	-0.148	0.041	0.0005 ***
Age:alleycoppice_P:Dist	-0.035	0.049	0.4802 n.s.
Age:alleycoppice_Pl:Dist	-0.166	0.041	0.0001 ***
Fit statistics			
R ²	0.884		
Deviance	662.59		

^[a] Ca: Common hazel. Cb: Hornbeam. Fr: Narrow-leaf ash. Oc: Hop hornbeam. P: Poplar ‘AF2’. Pl: Hybrid plane. U: Field elm. ^[b] **: $p \leq 0.01$; ***: $p \leq 0.001$; n.s: $p > 0.05$

Table S4. Walnut: LMM results for influence of age, planting distance and intercropped biomass on H.

Parameters ^[a]	Estimated coefficient	SE	p-value ^[b]
Intercept	0.409	0.458	0.4562 n.s.
Age	1.248	0.416	0.0032**
Age:alleycoppice_Oc	-0.7711	0.580	0.1866 n.s.
Age:alleycoppice_Cb	-0.6013	0.533	0.2616 n.s.
Age:alleycoppice_Fr	-0.6437	0.545	0.2393 n.s.
Age:alleycoppice_O	1.3256	0.555	0.0183*
Age:alleycoppice_P	0.5477	0.580	0.3473 n.s.
Age:alleycoppice_Pl	1.4194	0.555	0.0116*
Age:alleycoppice_Ca:Dist	0.0568	0.059	0.3382 n.s.
Age:alleycoppice_Oc:Dist	0.1677	0.059	0.0052**
Age:alleycoppice_Cb:Dist	0.1429	0.050	0.0054 n.s.
Age:alleycoppice_Fr:Dist	0.1333	0.05	0.0085**
Age:alleycoppice_O:Dist	-0.1499	0.049	0.0031**
Age:alleycoppice_P:Dist	-0.0328	0.059	0.5795 n.s.
Age:alleycoppice_Pl:Dist	-0.167	0.049	0.001**
Fit statistics			
R ²	0.884		
Deviance	662.59		

^[a] Ca: Common hazel. Cb: Hornbeam. Fr: Narrow-leaf ash. Oc: Hop hornbeam. P: Poplar ‘AF2’. Pl: Hybrid plane. U: Field elm. ^[b] *: $p \leq 0.05$; **: $p \leq 0.01$; n.s: $p > 0.05$