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Supplementary file S5: Parameter estimates for the ten best linear mixed models for Scots pine and Norway spruce volume growth responses ($\text{m}^3 \text{ha}^{-1} \text{yr}^{-1}$) according to Akaike's Information Criteria (AIC).

Tree species	Model number	Intercept	F_N	P_a	$G_{\text{fertility}}$	T_{sum}	G_{south}	G_{middle}	G_{north}	G_{lat}	V_{ini}	S_F
		β_0	β_1	β_2	β_3	β_4	β_5	β_6	β_7	β_8	β_9	β_{10}
Scots pine	1	-0.271	0.009	0.001	0.619							-0.071
	2	-0.204	0.009	0.001	0.575						-0.001	-0.069
	3	0.382	0.009		0.640							-0.077
	4	1.491	0.009		0.645					-0.017		-0.075
	5	0.408	0.009		0.630				-0.068			-0.076
	6	0.180	0.009		0.644	1.94×10^4						-0.076
	7	0.355	0.009		0.612			0.055				-0.075
	8	0.440	0.009		0.617						-4.37×10^4	-0.076
	9	2.025	0.009		0.597					-0.024	-0.001	-0.074
	10	0.381	0.009		0.644			0.010				-0.077

Tree species	Model number	Intercept	F _N	P _a	G _{fertility}	T _{sum}	G _{south}	G _{middle}	G _{north}	G _{lat}	V _{ini}	S _F
		β ₀	β ₁	β ₂	β ₃	β ₄	β ₅	β ₆	β ₇	β ₈	β ₉	β ₁₀
Norway spruce	56	-1.254	0.009	0.003								-0.059
	57	0.409	0.009				0.189					-0.091
	58	0.233	0.009								0.003	-0.106
	59	3.203	0.009							-0.044		-0.079
	60	0.543	0.009				0.323				-0.002	-0.078
	61	-0.999	0.009	0.002							0.001	-0.070
	62	0.409	0.009				0.188		-0.002			-0.091
	63	1.628	0.009							-0.021	0.002	-0.095
	64	-0.128	0.009			4.83 x10 ⁴						-0.079
	65	0.244	0.009						-0.030		0.002	-0.103