

Table 1 Initial soil chemical characteristics (means $\pm$ se; n=3) measured in May 2007 at three soil depths of the experimental site, Michigan State University Tree Research Center, East Lansing, MI, U.S.A.

Soil depth (cm)	Total C	Total N	$\text{NO}_3^- + \text{NH}_4^+$	Mehlich III extractable nutrients			
				P	K	Ca	Mg
	-----%-----			-----mg kg ⁻¹ -----			
0-15	2.14 (0.08)	0.18 (0.01)	8.86 (0.56)	49.1 (4.8)	201 (13)	1260 (53)	183 (7)
15-30	1.60 (0.07)	0.14 (0.01)	4.44 (0.13)	31.7 (4.2)	111 (9)	1186 (43)	155 (6)
30-45	0.65 (0.08)	0.06 (0.01)	2.73 (0.15)	14.1 (3.1)	78 (4)	1226 (59)	175 (10)