

Support information

Table S1 Location and basic stand factors of 50 plantations plots.

Plot	Longitude	Latitude	Stand Age	Mean D	Mean tree height
1	40.5328	116.0706	Young	9.9	5.0
2	40.5246	116.0763	Young	7.7	6.5
3	40.5246	116.0763	Young	7.3	6.5
4	40.5246	116.0763	Young	7.3	6.5
5	40.5246	116.0763	Young	8.7	6.5
6	40.5246	116.0763	Young	8.9	6.5
7	40.5167	116.0644	Young	8.9	6.0
8	40.5151	116.0688	Young	8.4	6.5
9	40.5151	116.0688	Young	9.3	8.0
10	40.5316	116.0602	Young	7.0	6.5
11	40.5316	116.0602	Young	7.5	6.0
12	40.5316	116.0602	Young	8.1	6.5
13	40.5316	116.0602	Young	7.2	6.0
14	40.4866	116.1768	Young	6.3	4.0
15	40.4866	116.1768	Young	6.2	4.0
16	40.4866	116.1768	Young	6.5	4.0
17	40.4866	116.1768	Young	6.3	3.5
18	40.4953	116.1954	Young	8.5	6.0
19	40.4953	116.1954	Young	9.9	6.0
20	40.4953	116.1954	Young	9.7	6.0
21	40.4968	116.1904	Young	9.1	6.0
22	40.4968	116.1904	Young	9.8	6.0
23	40.4968	116.1904	Young	9.9	6.0
24	40.5006	116.1816	Young	6.9	6.0
25	40.5006	116.1816	Young	9.1	7.0
26	40.5006	116.1816	Young	9.3	5.5
27	40.5006	116.1816	Young	9.6	7.0
28	40.5006	116.1816	Young	7.0	7.0
29	40.4658	116.1523	Young	6.8	3.5
30	40.5266	116.1814	Young	6.3	4.5
31	40.5266	116.1814	Young	6.3	4.0
32	40.5268	116.1799	Young	9.2	5.5
33	40.5268	116.1799	Young	9.2	5.5
34	40.5268	116.1799	Young	8.1	5.5
35	40.5268	116.1799	Young	9.6	5.5
36	40.5268	116.1799	Young	7.7	5.5
37	40.5035	116.1808	Young	9.4	6.0
38	40.5073	116.1780	Young	9.9	7.0
39	40.5073	116.1780	Young	9.5	5.0
40	40.8687	116.6484	Young	7.5	6.8
41	40.8687	116.6484	Young	6.7	6.7
42	40.8687	116.6484	Young	6.7	6.6
43	40.8687	116.6484	Young	7.6	6.6
44	40.9482	116.4913	Young	8.0	7.2
45	40.9482	116.4913	Young	7.8	7.1
46	40.9482	116.4913	Young	7.0	6.5
47	40.9482	116.4913	Young	6.8	6.7
48	40.9482	116.4913	Young	6.8	7.3
49	40.9421	116.4858	Young	6.6	4.8
50	40.8391	116.6911	Young	6.4	6.0

Note: diameter at breast height (D).

Table S2 Yield table of *Betula pendula* subsp. *mandshurica* (Regel) Ashburner & McAll.

D	Total biomass	Aboveground biomass	Belowground biomass
2.0	1.0466	0.7578	0.2888
2.1	1.1490	0.8367	0.3123
2.2	1.2593	0.9218	0.3375
2.3	1.3780	1.0138	0.3642
2.4	1.5051	1.1125	0.3926
2.5	1.6407	1.2182	0.4225
2.6	1.7850	1.3310	0.4540
2.7	1.9376	1.4506	0.4870
2.8	2.0984	1.5770	0.5214
2.9	2.2671	1.7100	0.5571
3.0	2.4432	1.8493	0.5939
3.1	2.6260	1.9944	0.6316
3.2	2.8147	2.1445	0.6702
3.3	3.0085	2.2993	0.7092
3.4	3.2064	2.4578	0.7486
3.5	3.4073	2.6192	0.7881
3.6	3.6100	2.7826	0.8274
3.7	3.8134	2.9472	0.8662
3.8	4.0162	3.1118	0.9044
3.9	4.2173	3.2757	0.9416
4.0	4.4154	3.4377	0.9777
4.1	4.6095	3.5971	1.0124
4.2	4.7985	3.7530	1.0455
4.3	4.9817	3.9047	1.0770
4.4	5.1581	4.0514	1.1067
4.5	5.3273	4.1928	1.1345
4.6	5.4886	4.3282	1.1604
4.7	5.6417	4.4575	1.1842
4.8	5.7865	4.5804	1.2061
4.9	5.9226	4.6966	1.2260
5.0	6.0502	4.8063	1.2439

Note: diameter at breast height (D).

Table S3 Yield table of *Populus ×tomentosa* Carrière.

D	Total biomass	Aboveground biomass	Belowground biomass
2.0	0.7478	0.5660	0.1818
2.1	0.8056	0.6118	0.1938
2.2	0.8678	0.6612	0.2066
2.3	0.9345	0.7142	0.2203
2.4	1.0061	0.7712	0.2349
2.5	1.0829	0.8323	0.2506
2.6	1.1652	0.8979	0.2673
2.7	1.2535	0.9684	0.2851
2.8	1.3480	1.0439	0.3041
2.9	1.4491	1.1248	0.3243
3.0	1.5573	1.2114	0.3459
3.1	1.6729	1.3041	0.3688
3.2	1.7963	1.4031	0.3932
3.3	1.9280	1.5089	0.4191
3.4	2.0684	1.6219	0.4465
3.5	2.2178	1.7422	0.4756
3.6	2.3768	1.8703	0.5065
3.7	2.5458	2.0067	0.5391
3.8	2.7251	2.1516	0.5735
3.9	2.9153	2.3054	0.6099
4.0	3.1165	2.4683	0.6482
4.1	3.3293	2.6408	0.6885
4.2	3.5539	2.8230	0.7309
4.3	3.7907	3.0153	0.7754
4.4	4.0398	3.2178	0.8220
4.5	4.3015	3.4308	0.8707
4.6	4.5759	3.6544	0.9215
4.7	4.8631	3.8886	0.9745
4.8	5.1631	4.1336	1.0295
4.9	5.4757	4.3891	1.0866
5.0	5.8010	4.6552	1.1458

Note: diameter at breast height (D).