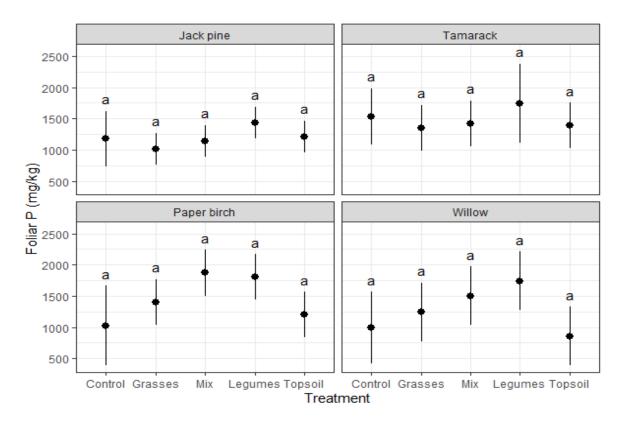
Supplementary materials: Detailed foliar analysis results

$\overline{}$	48 A 4 A	44-1																								
	Client Sample	Moisture			Al	As	8	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Ne	NI	P						
FoReST Lab ID #	Number	Content	Total Carbon	Total Nitrogen	~	-		-	-	-		-									PЪ	S	Se	Sr	TI	Zn
		(%)	(%)	(%)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
9218	1-Birch	8,189	1.46	45.79	173.4	¹ nd	61.83	14059	nd	nd	2.68	4.37	387.2	10692	5029	159.9	7.2	37.8	6.6	780.2	nd	4866	nd	243.7	nd	145.0
9219	1-Willow	6.97	1.87	47.64	105.4	nd	60.75	14652	nd	nd	2.13	57.04	385.6	8338	2254	64.2	bdl	38.9	14.4	658.5	nd	2667	nd	846.1	nd	140.6
9220	1-Pine	5,488	4.07	41.04	70.59		34.22	2403	nd	nd	6.16	8.55	630.3	7757	1560	61.1	bd	1244	32.5	908.5		2723	nd	47.80	nd	35.03
				****		nd															nd					
9221	1-Tamarack	6.852	0.96	49.26	132.3	nd	52.99	3863	nd	nd	2.97	3.59	292.6	8592	2600	305.6	bdl	75.4	bdl	1022	nd	2990	nd	233.2	nd	17.79
9222	2-Birch	7.972	0.95	44.95	239.9	nd	45.06	15380	nd	nd	2.80	3.53	475.3	15096	3609	301.9	18.1	347.4	bdl	1489	nd	7045	nd	453.4	nd	128.3
9223	2-Pine	6.006	0.64	48.23	35.65	nd	21.88	2670	nd	nd	0.66	1.29	88.09	8272	1332	55.3	bdl	997.3	bdl	921.7	nd	3124	nd	113.2	nd	22.54
9224	2-Willow	6,897	1.51	46.01	17.90	nd	43.22	12934	nd	nd	2pq1	3.62	72.97	16161	1709	87.0	bdl	32.5	bdl	1426	nd	7147	nd	543.5	nd	116.2
9225	2-Tamarack	7.298	0.63	49.02	60.32	nd	42.95	3565	nd	nd	1.32	1.54	129.A	8290	1488	194.2	bdl	86.2	bdl	1156	nd	4459	nd	251.7	nd	10.61
9226	3-Birch	7.36	1.61	45.39	166.79	nd	57.34	10020	nd	nd	2.25	4.22	382.1	17515	6372	1164	7.7	102.7	bdl	1948	nd	9400	nd	236.3	nd	144.4
9227	3-Ternereck	7.479	1.01	46.07																						
9228	3-Pine	6.079	1.06	47.11	78.00	nd	32.24	2282	nd	nd	1.44	2.11	188.0	11767	2259	197.4	bdl	7449	bdl	1562	nd	6987	nd	65.28	nd	20.13
9229	3-Willow	6.821	1.65	45.91	20.77	nd	33.70	15189	nd	nd	bdl	4.00	74.91	14613	1789	127.4	bdl	44.5	6.8	2233	nd	5997	nd	463.9	nd	169.5
9230	4-Birch	7,688	1.18	43.57	178.9	nd	56.33	11805	nd	nd	3.78	4.29	411.A	16087	8446	2146	21.8	599.0	bdl	1749	nd	11962	nd	227.4	nd	145.6
9231				45.53																						
	4-Willow	6.433	1.30		38.86	nd	50.22	13104	nd	nd	2.30	3.48	121.2	15737	2851	200.0	bdl	28.7	6.2	1508	nd	7185	nd	357.9	nd	113.9
9232	4-Pine	5.781	0.77	48.33	48.64	nd	26.08	2383	nd	nd	1.18	1.86	136.A	8316	1542	165.0	bdl	1412	bdl	1079	nd	3586	nd	61.22	nd	23.02
9233	4-Ternereck	7.103	0.74	48.74	73.89	nd	32.74	3715	nd	nd	1.01	2.34	161.5	10097	1748	921.4	3.8	72.4	bdl	1371	nd	4783	nd	295.4	nd	15.63
9234	5-Willow	10.5	2.23	46.84	49.85	nd	52.45	9763	nd	nd	5.86	9.35	512.5	14011	3093	156.3	bdl	898.8	34.4	1247	nd	6917	nd	267.6	nd	209.5
9235	5-Pine	7.167	1.32	48.35																						
9236	5-Tamarack	7.463	1.12	46.71																						
9237	6-Tamarack	7.463	1.02	47.33	47.55	nd	20.60	5549	nd	nd	0.73	2.44	156.5	28956	2389	411.5	5.9	4299	bdl	1329	nd	5824	nd	414.0	nd	12.77
9238	6-Birch	7.205	1.99	45.42	80.47	nd	35.17	8642	nd	nd	1.21	5.65	213.7	19777	3163	77.0	8.2	167.6	bdl	1028	nd	6962	nd	288.0	nd	91.69
9239	6-Willow	10.5	2.29	48.89	37.45	nd	38.38	9269	nd	nd	1.16	6.04	185.9	10182	2678	104.1	bdl	261.3	bdl	738.5	nd	2781	nd	382.1	nd	32.75
9240	6-Pine	7.167	1.39	45.56																						
9241	7-Birch	8,189	1.41	46.54	140	nd	40.56	13725	nd	nd	11.16	4.21	382.0	6910	4220	327.2	bdl	35.47	8.7	1505	nd	3010	nd	154.0	nd	151.3
9242	7-Willow	6.97	1.63	46.15	21.31	nd	46.09	12885	nd	nd	0.79	5.25	80.15	15511	2541	49.6	bdl	26.19	bdl	1105	nd	6274	nd	296.6	nd	309.6
9243	7-Tamarack	6.852	1.38	49.21	109.9	nd	36.20	4381	nd	nd	0.85	3.25	141.9	11983	2327	604.9	bd	24.57	bdl	1767	nd	6194	nd	240.1	nd	35.35
9244																										
	7-Pine	5.488	1.53	49.41	54.65	nd	17.70	2757	nd	nd	0.87	3.10	136.7	9188	1812	117.0	bd	21.14	bdl	1408	nd	3334	nd	34.01	nd	51.28
9245	8-Temereck	7.479	0.97	48.09																						
9246	8-Willow	6.821	1.79	46.46	20.79	nd	26.00	11628	nd	nd	0.95	4.22	87.81	16105	3205	186.4	bdl	54.93	6.2	1339	nd	8810	nd	417.1	nd	118.8
9247	8-Birch	7.36	1.63	45.08	173.9	nd	28.60	13416	nd	nd	2.85	4.42	416.A	15145	4461	1030	17.7	50.21	bdl	1698	nd	7434	nd	332.2	nd	154.6
9248	8-Pine	6,079	0.94	48.02	99.18	nd	8.72	2644	nd	nd	1.80	1.99	208.4	10303	1811	280.0	3.3	4495	bdl	1282	nd	6093	nd	65.71	nd	29.74
9249	9-Ternereck		0.58	50.08	37.01		33.67	3240			0.72	1.73		11013	1496	363.1	3.5	60.36		1299		4698				
9250	9-Birch	7.298 7.972	0.91	45.89	146.7	nd nd	38.85	13962	nd nd	nd nd	2.62	3.17	112.5 362.2	10355	3461	337.0	14.3	125.0	bdl	1276	nd nd	6587	nd	222.A 222.5	nd	13.41
																							nd		nd	117.1
9251	9-Pine	6.006	0.67	48.23	52.02	nd	23.51	2431	nd	nd	bdl	1.13	131.8	9099	1353	110.6	bdl	625.1	bdl	983.7	nd	2965	nd	45.98	nd	16.66
9252	9-Willow	6.897	1.20	46.36	29.07	nd	49.11	12851	nd	nd	bdl	2.67	102.1	13613	1685	104.2	bdl	26.53	bdl	1032	nd	5926	nd	342.6	nd	62.85
9253	10-Tamarack	7.103	0.79	48.50	73.93	nd	14.96	3851	nd	nd	1.48	1.72	156.9	10816	1925	652.2	5.6	372.9	bdl	1302	nd	6011	nd	224.1	nd	12.21
9254	10-Birch	7.688	1.53	44.96	117.2	nd	23.61	13916	nd	nd	1.94	4.13	263.3	18784	4519	945.5	29.0	1553	bdl	2285	nd	8163	nd	272.5	nd	119.6
9255	10-Pine	5.781	0.78	48.94	73.49	nd	4.88	2739	nd	nd	1.34	1.34	136.9	8422	1800	191.4	bdl	1654	bdl	953.3	nd	4425	nd	49.61	nd	19.19
9256	10-Willow	6.433	1.25	46.05	27.08		20.33	10712			0.81	4.34		16994	2531	97.8	bdl	39.48	bdl	1966		5392	nd	256.4	nd	87.57
						nd			nd	nd			81.61								nd					
9257	11-Tamerack	6.852	1.42	49.50	100.0	nd	39.29	4139	nd	nd	0.85	3.02	110.7	13966	2204	537.4	3.3	43.81	bdl	1378	nd	7082	nd	235.2	nd	28.34
9258	11-Willow	6.97	1.55	46.73	38.27	nd	49.92	12786	nd	nd	0.84	4.13	92.89	14826	1795	57.0	bdl	37.04	bdl	812.6	nd	6300	nd	322.2	nd	229.1
9259	11-Pine	5.488	1.56	49.34	46.71	nd	13.32	2674	nd	nd	bdl	2.78	91.76	7444	1615	83.2	bdl	35.34	bdl	1308	nd	3066	nd	36.60	nd	42.97
9260	11-Birch	8.189	1.51	45.63	140.1	nd	43.12	17808	nd	nd	2.36	4.03	282.7	10601	4169	177.2	13.9	47.41	bdl	1324	nd	6155	nd	243.5	nd	178.9
9261	12-Willow	10.5	1.69	44.64																						
9262	12-Tamerack	7,463	0.96	48.62	62.31	nd	14.94	2411	nd	nd	1.36	2.42	159.7	14495	1939	455.1	3.7	9006	bdl	1743	nd	7254	nd	149.9	nd	13.40
9263				48.39				3420					324.8	8422				4754	bdl							18.91
	12-Pine	7.167	1.07		146.0	nd	8.46		nd	nd	2.40	2.33			2185	360.4	bdl			1174	nd	7522	nd	66.75	nd	
9264	13-Pine	6.079	1.08	48.08	108.0	nd	13.02	3426	nd	nd	2.00	2.69	228.2	11086	2335	259.3	3.6	7662	bdl	1450	nd	9485	nd	79.66	nd	21.32
9265	13-Birch	7.36	1.74	44.46	170.9	nd	30.77	13092	nd	nd	3.31	4.68	386.2	14136	4425	496.9	24.7	106.2	bdl	1771	nd	6428	nd	320.0	nd	159.6
9266	13-Willow	6.821	1.94	46.59	26.83	nd	19.47	8535	nd	nd	0.72	4.80	80.84	16957	3579	109.4	bdl	44.75	bdl	1654	nd	7874	nd	305.6	nd	103.6
9267	13-Tamerack	7.479	0.84	48.93	54.53	nd	22.90	4673	nd	nd	1.00	2.09	128.6	15472	2585	535.5	9.6	514.7	bdl	1742	nd	9129	nd	284.6	nd	16.66
9268	14-Tamerack	7,103	0.74	48.33	71.40	nd	19.16	3882	nd	nd	1.04	2.19	201.7	15857	2757	822.1	4.9	1123	bdl	1583	nd	8602	nd	215.7	nd	15.65
9269	14-Pine	5.781	0.93	48.29	94.48	nd	6.22	2238	nd	nd	1.66	1.85	162.2	9830	1719	305.5	bdl	6987	bdl	1384	nd	7362	nd	40.54	nd	34.44
				46.32										16748												
9270	14-Willow	6.433	1.17		30.53	nd	29.08	9144	nd	nd	bdl	2.47	77.39		2376	115.0	bdl	104.1	bdl	1026	nd	6531	nd	264.1	nd	49.11
9271	14-Birch	7.688	1.71	45.13	98.21	nd	28.98	11669	nd	nd	1.25	4.86	231.7	18026	5376	970.9	14.6	153.5	bdl	1581	nd	8769	nd	253.0	nd	129.4
9272	15-Tamerack	7.298	0.78	48.82	50.12	nd	16.05	3017	nd	nd	0.69	1.90	115.8	14786	2128	693.4	6.9	4285	bdl	1595	nd	8420	nd	191.8	nd	15.86
9273	15-Willow	6.897	1.24	45.43	32.16	nd	44.33	13269	nd	nd	0.84	3.18	82.76	13880	2933	211.2	bdl	47.45	bdl	1278	nd	6859	nd	349.8	nd	101.3
9274	15-Birch	7.972	1.25	44.39	174.6	nd	25.10	17475	nd	nd	2.62	3.63	384.0	16963	4596	1097	27.7	90.01	bdl	1443	nd	8298	nd	310.7	nd	147.1
9275	15-Pine	6.006	0.81	48.30	64.11	nd	9.03	2655	nd	nd	0.91	1.80	174.0	8110	1567	289.5	bdl	3728	bdl	1126	nd	4810	nd	56.97	nd	21.41
3273	12-4-INE	6,006	0.01	40.30	04.11	nu	3223	2000	ng	nu	0.34	1.00	1792	8110	1307	2093	DGI	3/20	DGI	1120	nu	4010	nu	30.37	ng	21.71
Detection limit for foliage samples (mg/Kg):					6.00	10.00	2.00	2.00	1.00	1.00	0.60	0.60	0.40	60.00	2.00	0.40	3.00	4.00	6.00	60.00	6.00	60.00	20.00	1.00	40.00	0.80
and the state of t					-					-		-		-						-					10000	

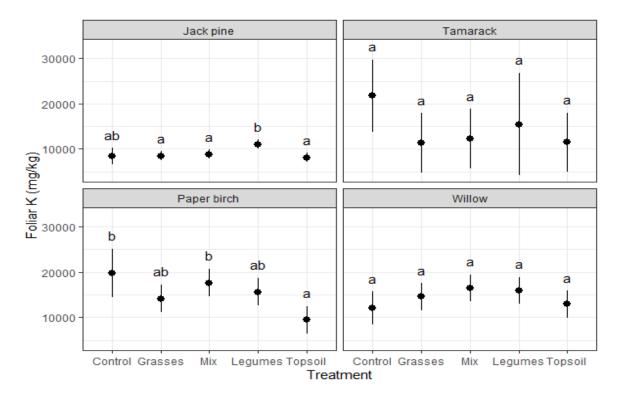
³nd: No data (no observable peak recorded by the ICP-AES)

²bdl: Below detection limit

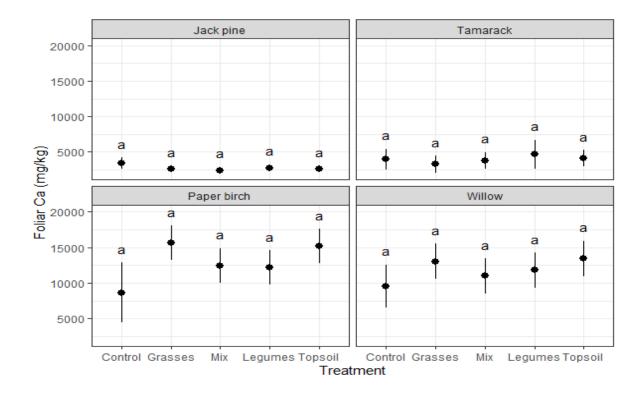
Insufficient sample size for testing



Phosphorus foliar concentrations (with a 95% confidence interval) of the tree seedlings of each species within each treatment after two growing seasons. Shared letters indicate no significant difference ($\alpha = 0.05$).



Potassium foliar concentrations (with a 95% confidence interval) of the tree seedlings of each species within each treatment after two growing seasons. Shared letters indicate no significant difference ($\alpha = 0.05$).



Calcium foliar concentrations (with a 95% confidence interval) of the tree seedlings of each species within each treatment after two growing seasons. Shared letters indicate no significant difference ($\alpha = 0.05$).

Principal component analyses of the foliar nutrient concentrations by species. Large symbols indicate the mean of each treatment.

