

Table 1. Overall average \pm S.D. for nitrogen (N), sulphur (S), phosphorus (P), calcium (Ca), potassium (K), magnesium (Mg), zinc (Zn), manganese (Mn), iron (Fe) copper (Cu) and boron (B) concentrations in Silver birch leaves and in current (C) and previous year (C+1) Scots pine and Norway spruce needles during monitoring period 1995–2009.

Element	Scots pine n = 7		Norway spruce n = 8–9		Silver birch n = 2
	C needles	C+1 needles	C needles	C+1 needles	Leaves
N, mg g ⁻¹	12.7 \pm 1.7	12.6 \pm 1.7	11.8 \pm 1.9	10.8 \pm 1.5	23.7 \pm 1.7
S, mg g ⁻¹	0.88 \pm 0.09	0.90 \pm 0.10	0.86 \pm 0.10	0.83 \pm 0.09	1.53 \pm 0.20
P, mg g ⁻¹	1.48 \pm 0.15	1.35 \pm 0.13	1.66 \pm 0.21	1.36 \pm 0.25	2.06 \pm 0.10
Ca, mg g ⁻¹	1.97 \pm 0.38	3.22 \pm 0.55	3.64 \pm 0.64	5.93 \pm 1.09	8.24 \pm 2.32
Mg, mg g ⁻¹	1.05 \pm 0.14	0.89 \pm 0.17	1.17 \pm 0.17	1.09 \pm 0.18	2.86 \pm 0.25
K, mg g ⁻¹	5.41 \pm 0.39	4.79 \pm 0.43	6.66 \pm 0.81	5.01 \pm 0.71	8.59 \pm 1.11
Zn, μ g g ⁻¹	40.7 \pm 5.0	50.4 \pm 7.4	33.4 \pm 7.3	36.6 \pm 15.9	121.4 \pm 23.6
Mn, μ g g ⁻¹	412 \pm 112	664 \pm 179	686 \pm 235	991 \pm 338	1156 \pm 167
Fe, μ g g ⁻¹	30.0 \pm 7.1	41.9 \pm 10.2	25.2 \pm 5.9	29.4 \pm 7.5	51.4 \pm 5.4
Cu, μ g g ⁻¹	2.8 \pm 0.5	2.4 \pm 0.6	2.0 \pm 0.4	1.7 \pm 0.4	4.2 \pm 1.2
B, μ g g ⁻¹	13.0 \pm 3.8	11.8 \pm 4.2	11.7 \pm 4.3	12.0 \pm 6.2	11.2 \pm 5.5
C, %	53.2 \pm 0.8	54.0 \pm 0.5	51.5 \pm 0.6	51.7 \pm 0.7	52.1 \pm 0.5