

Table 4.4: Regional and local variation in mineral nutrients

<i>Picea abies</i>		Nitrogen [mmol g ⁻¹]	Phosphor [μmol g ⁻¹]	Sulphur [μmol g ⁻¹]	Calcium [μmol g ⁻¹]	Postassium [μmol g ⁻¹]	Magnesium [μmol g ⁻¹]
Southwest Sweden (n=60)	av±s.d. min max	0.78±0.09 0.54 1.36	34.8±8.0 19.4 61.3	28.8±3.0	174±54.5	96.4±16.6 46.2 138.5	37.9±9.6
North Sweden (n=15)	av±s.d.	0.68±0.11	40.9±9.0	25.6±3.0	190±14	101±14	37.9±6.0
Germany 'Waldstein' (n=5)	av±s.d. min max	0.94±0.3 0.56 2.12	27.9±10.0 6.3 51.7	33.5±19.2 6.3 90.6	107.6±97.6 22 399	87.2±34.3 26.2 156	19.5±12.9 1.8 45.6
Germany 'Bavaria' (n=22)	av±s.d. min max	0.98±0.1 0.70 1.21	53.2±11.9 32.3 87.1	43.6±11.6 25.9 68.8	86.3±43.3 35.0 250	140±43.3 79.5 351	34.9±14.2 10.8 83.3
Transect (n=7)	av±s.d. min max	0.88±0.23 0.40 1.21	48.5±15.6 18.9 73.9	31.6±7.7 17.3 42.7	125.2±63.8 40.7 282.3	154.6±35.5 79.9 207.4	37.3±19.5 16.7 92.7
<i>Fagus sylvatica</i>		Nitrogen [mmol g ⁻¹]	Phosphor [μmol g ⁻¹]	Sulphur [μmol g ⁻¹]	Calcium [μmol g ⁻¹]	Potassium [μmol g ⁻¹]	Magnesium [μmol g ⁻¹]
Germany 'Bavaria' (n=4)	av±s.d. min max	1.66±0.18 1.29 1.96	60.8±9.9 45.2 82.8	59.9±9.0 36.9 74.4	271.9±138.9 142.9 649.8	207.8±63.3 114.8 353.4	64.7±31.5 14.1 132.4
Transect (n=5)	av±s.d. min max	1.87±0.14 1.58 2.18	47.3±17.9 25.7 94.0	51.7±8.2 37.2 70.1	140.4±49.6 52.6 242.3	160.7±65.5 64.5 376.5	46.9±20.6 17.4 95.9
<i>Deschampsia flexuosa</i>		Nitrogen [mmol g ⁻¹]	Phosphor [μmol g ⁻¹]	Sulphur [μmol g ⁻¹]	Calcium [μmol g ⁻¹]	Potassium [μmol g ⁻¹]	Magnesium [μmol g ⁻¹]
South Sweden (n=12)	av±s.d. min max	1.64±0.38 1.15 2.20	71.6±16.5 42.0 93.6		24.5±7.8 17.5 42.4	636.2±86.8 511.5 800.5	46.0±7.8 32.9 57.6
North Sweden (n=3)	av±s.d. min max	1.22±0.07 1.16 1.29	67.8±21.2 48.4 90.4		29.9±2.5 27.5 32.4	574.6±62.9 503.8 624.0	31.5±4.8 28.8 37.0
Transect (n=7)	av±s.d. min max	1.90±0.50 0.32 2.98	84.4±27.2 40.1 185.1	55.6±16.3 19.0 89.9	22.0±14.5 5.3 77.2	760.8±172.3 469.3 1178.2	47.2±12.1 18.7 81.3