

**Table 14.1.** Daily net N mineralisation rates (above) and potential net nitrification rates (below) [ $\mu\text{g N g}^{-1} \text{ C d}^{-1}$ ] for each soil layer and site as calculated from laboratory incubations during about 50 days. SE is approximately 10-20 % of the mean value. 0 indicates a value less than 0.05. If net nitrification estimates are higher than net mineralisation estimates, ammonium present in the background samples has been nitrified. Where no FH layer was found, the 0-10 cm layer was subdivided into 0-5 (a) and 5-10 cm (b). See Persson et al., Ch. 2, Table 2.1, this volume for complete site designation. At AuP90, the L layer was included in the FH layer (incl. FH). n.e.=not estimated.

**Net N mineralisation:**

Soil layer	Åhe	Sko	Klo	Gri	Sor	Nac	Jez	Wal	Sch	AuP90	AuP45	AuF150	The	Col	MdM
L	0	8.5	18.8	23.2	43.6	14.8	19.6	38.1	50.0	incl. FH	11.2	16.3	0	13.5	5.4
FH	0	5.1	7.6	(a)14.9	(a)18.0	7.3	12.0	9.8	15.3	13.9	17.8	27.0	(a) 9.4	(a)17.2	(a) 8.7
0-10 cm	0	5.2	1.4	(b) 6.1	(b) 9.6	1.4	4.4	5.1	5.6	8.8	7.6	5.3	(b)13.2	(b) 7.8	(b) 5.4
10-20 cm	0	5.6	2.3	5.0	7.5	2.1	3.6	4.8	6.4	3.9	3.0	9.2	13.6	5.2	4.8
20-30 cm	0	2.4	0.3	4.8	6.0	0.9	2.7	2.9	4.0	5.6	1.8	3.3	9.7	4.2	3.9
30-50 cm	0	-0.1	-0.3	2.8	5.1	0	2.5	1.2	n.e.	4.6	1.6	0.6	6.0	1.6	1.1

**Net nitrification:**

Soil layer	Åhe	Sko	Klo	Gri	Sor	Nac	Jez	Wal	Sch	AuP90	AuP45	AuF150	The	Col	MdM
L	0	0	0	3.0	44	0.8	6.4	14.2	11.1	incl. FH	0	1.7	0	12.6	5.3
FH	0	0	0	(a) 7.2	(a)14.1	1.9	12.2	3.4	6.4	7.1	0.2	9.7	(a) 0.3	(a)25.3	(a)18.7
0-10 cm	0	0	0.1	(b) 3.8	(b) 8.6	0.8	4.5	4.1	4.7	5.2	1.8	4.6	(b) 2.3	(b) 6.2	(b) 5.4
10-20 cm	0	0.2	0	2.1	5.7	1.2	3.6	5.8	6.8	3.3	2.1	6.1	0.4	2.3	4.8
20-30 cm	0	0.4	0	2.7	5.1	1.4	2.8	3.0	5.0	5.3	1.6	3.2	0.5	2.7	3.9
30-50 cm	0	0.3	0.2	1.6	4.2	0.2	1.6	1.7	n.e.	4.2	1.8	1.1	0.4	1.7	1.1