

Table 14.3. Net N mineralisation and net nitrification rates [$\mu\text{g N g}^{-1} \text{C d}^{-1}$] at soil layers in control (C) and N-fertilised plots (N) in the N fertilisation experiments Norrliden, Stråsan and Skogaby during an incubation period of 50 days at 15°C in the laboratory. Negative values indicate N immobilisation. A higher net nitrification than net mineralisation rate indicates that ammonium present at the start of the incubation was nitrified.

Net N mineralisation rate:

	Norrliden		Stråsan		Skogaby	
	C	N	C	N	C	N
L	incl. in FH	incl. in FH	0.8	15.7	8.5	31.3
FH	0.2	9.9	0.1	13.6	5.1	7.4
0-10	0.0	3.4	1.3	4.5	5.2	1.4
10-30	-0.1	1.5	2.0	6.5	4.0	2.5
30-50	-0.7	0.0	-	-	-0.1	1.1

Net nitrification rate:

	Norrliden		Stråsan		Skogaby	
	C	N	C	N	C	N
L	incl. in FH	incl. in FH	0.0	1.9	0.0	8.4
FH	0.0	-0.1	0.0	0.3	0.0	0.0
0-10	0.0	-0.2	0.0	2.5	0.0	0.0
10-30	0.0	1.0	0.0	5.0	0.3	3.4
30-50	-0.1	0.2	-	-	0.3	3.1