

**Table 20.7** Simulated and measured N fluxes for the CANIF sites.

	Åhe	Sko	Nac	Wal	AuP	MdM	Jez	Sch	AuF	Col	Åhe2	Wal2	Wal3 <sup>a</sup>
<b>simulated</b> [kg N ha <sup>-1</sup> yr <sup>-1</sup> ]													
N availability, of which	40	119	115	98	51	183	104	104	60	129	56	163	166
N deposition <sup>b</sup>	2	18	22	24	18	12	22	21	15	11	2	24	24
N mineralisation	39	100	94	73	34	171	82	83	45	117	54	139	142
N leaching	0	0	0	0	0	0	1	0	0	7	0	0	0
N uptake	40	119	115	98	51	183	103	103	60	122	56	163	127 (39)
total N demand, of which	41	133	131	117	59	200	144	142	90	134	57	191	151 (39)
leaf and stem	10	55	57	68	30	66	90	93	58	89	15	124	87 (30)
fine roots	26	67	67	40	23	123	47	42	27	39	35	55	52 (7)
<b>measured</b> [kg N ha <sup>-1</sup> yr <sup>-1</sup> ]													
N demand leaf+stem <sup>c</sup>			59	84	29	33	45	92		75		84	84
N leaching <sup>d</sup>	-	-	+	+	+	?	?	-	-	?		+	+

<sup>a</sup>: in brackets the values for the understorey

<sup>b</sup>: total N deposition including forest filtering

<sup>c</sup>: measured leaf growth times measured leaf N concentration plus measured stem growth times 1.1 mg N/g.

<sup>d</sup>: not measured but based on inorganic N concentration in soil solution at depth >50cm