

Table 2.6 NH<sub>4</sub>OAc-extractable base cations (Ca, K, Na and Mg) (SE mostly 5-15 % of the mean) in litter (L), humus (FH) and sifted soil layers (roots and stones > 2 mm removed) in the NIPHYS/CANIF transect. For abbreviations and symbols see Tables 2.1, 2.3 and 2.5.

	Soil layer	Åhe	Sko	Klo	Gri	(Sor)	Nac	Jez	Wal	Sch	AuP90	(AuP45)	AuF	The	Col	MdM
Ca [meq kg <sup>-1</sup> ]	L	127.3	53.4	57.8	232.6	367.1	77.4	265.9	114.0	289.4	incl FH	121.0	194.6	82.7	458.0	673.9
	FH	98.5	28.0	30.3	<sup>a</sup> 14.4	<sup>a</sup> 68.0	22.9	62.7	27.9	127.9	53.8	41.4	58.0	<sup>a</sup> 128.3	<sup>a</sup> 246.2	<sup>a</sup> 356.4
	0-10 cm	2.8	0.4	0.7	<sup>b</sup> 3.0	<sup>b</sup> 23.6	2.5	5.6	9.7	43.1	3.0	0.9	11.7	<sup>b</sup> 83.3	<sup>b</sup> 110.9	<sup>b</sup> 343.7
	10-20 cm	1.1	0.2	0.3	0.9	35.5	0.9	2.4	1.7	18.7	1.0	0.4	1.5	55.0	58.9	350.5
	20-30 cm	1.2	0.1	0.1	0.6	66.1	0.4	1.9	0.5	2.0	0.6	0.4	0.7	49.8	44.9	351.4
	30-50 cm	0.7	0.1	0.0	0.2	180.3	0.3	1.3	0.2	-	0.5	0.4	0.4	56.7	37.6	332.9
K [meq kg <sup>-1</sup> ]	L	18.7	12.1	17.4	24.5	20.4	12.4	20.4	17.4	17.5	incl FH	18.2	21.3	21.8	16.7	14.0
	FH	19.7	9.4	8.2	<sup>a</sup> 2.4	<sup>a</sup> 2.6	5.1	4.4	4.9	6.6	9.0	11.6	7.6	<sup>a</sup> 9.8	<sup>a</sup> 13.8	<sup>a</sup> 9.2
	0-10 cm	1.6	0.9	0.5	<sup>b</sup> 1.0	<sup>b</sup> 0.7	1.4	1.4	3.2	3.2	1.9	2.1	3.7	<sup>b</sup> 7.9	<sup>b</sup> 7.3	<sup>b</sup> 6.7
	10-20 cm	1.4	0.3	0.5	0.6	0.5	0.7	1.1	1.3	1.4	1.3	1.4	2.1	6.8	4.0	6.2
	20-30 cm	1.3	0.2	0.2	0.3	0.3	0.5	1.0	0.9	0.5	1.2	1.4	1.3	8.3	3.2	5.9
	30-50 cm	0.6	0.2	0.1	0.1	0.4	0.4	0.8	1.1	-	1.1	1.2	0.9	9.4	3.1	4.9
Na [meq kg <sup>-1</sup> ]	L	1.0	4.0	15.8	5.6	6.2	1.9	2.1	1.6	1.7	incl FH	1.1	2.1	4.3	1.8	2.0
	FH	0.9	6.7	19.6	<sup>a</sup> 0.8	<sup>a</sup> 1.6	1.4	0.9	0.8	1.2	0.9	1.0	0.8	<sup>a</sup> 2.3	<sup>a</sup> 1.1	<sup>a</sup> 1.1
	0-10 cm	0.2	0.6	1.0	<sup>b</sup> 0.3	<sup>b</sup> 0.8	0.4	0.3	0.4	0.7	0.3	0.2	0.5	<sup>b</sup> 1.8	<sup>b</sup> 1.1	<sup>b</sup> 1.1
	10-20 cm	0.2	0.4	1.1	0.2	0.8	0.2	0.2	0.4	0.4	0.2	0.1	0.3	1.5	1.2	1.0
	20-30 cm	0.2	0.3	0.5	0.2	0.8	0.2	0.2	0.1	0.3	0.1	0.1	0.2	1.7	1.4	1.0
	30-50 cm	0.1	0.2	0.2	0.2	1.2	0.1	0.2	0.1	-	0.2	0.1	0.2	2.3	1.3	1.0
Mg [meq kg <sup>-1</sup> ]	L	29.1	25.0	43.5	64.4	80.9	13.3	49.0	21.0	40.2	incl FH	10.3	28.7	33.7	67.6	43.9
	FH	21.1	23.8	57.8	<sup>a</sup> 4.0	<sup>a</sup> 12.0	5.8	16.7	5.0	15.0	6.9	5.5	8.5	<sup>a</sup> 19.8	<sup>a</sup> 32.0	<sup>a</sup> 28.5
	0-10 cm	1.0	0.8	1.8	<sup>b</sup> 1.0	<sup>b</sup> 3.1	1.0	2.7	2.2	5.6	0.8	0.6	2.6	<sup>b</sup> 13.8	<sup>b</sup> 15.9	<sup>b</sup> 25.9
	10-20 cm	0.6	0.2	0.9	0.4	2.3	0.5	1.2	0.8	2.0	0.3	0.3	0.5	9.6	9.7	24.3
	20-30 cm	0.7	0.1	0.2	0.2	2.8	0.3	0.8	0.2	0.4	0.2	0.2	0.2	10.5	8.0	22.7
	30-50 cm	0.5	0.1	0.0	0.1	5.7	0.1	0.5	0.1	-	0.2	0.2	0.2	13.7	6.8	19.3
Ca+K+Na+Mg [meq kg <sup>-1</sup> ]	L	176.1	94.4	134.5	327.0	474.5	104.9	337.4	154.0	348.8	incl FH	150.6	246.7	142.4	544.2	733.8
	FH	140.3	67.9	115.8	<sup>a</sup> 21.6	<sup>a</sup> 84.3	35.2	84.8	38.6	150.6	70.6	59.6	74.9	<sup>a</sup> 160.2	<sup>a</sup> 293.1	<sup>a</sup> 395.1
	0-10 cm	5.7	2.7	4.1	<sup>b</sup> 5.3	<sup>b</sup> 28.3	5.4	10.0	15.5	52.6	5.9	3.9	18.5	<sup>b</sup> 106.6	<sup>b</sup> 135.1	<sup>b</sup> 377.4
	10-20 cm	3.2	1.1	2.8	2.1	39.1	2.3	4.9	4.1	22.5	2.9	2.2	4.3	72.8	73.9	382.0
	20-30 cm	3.4	0.8	1.0	1.3	70.1	1.4	3.9	1.7	3.2	2.1	2.1	2.4	70.4	57.6	381.0
	30-50 cm	1.9	0.5	0.3	0.7	187.7	1.0	2.9	1.5	-	1.9	1.8	1.6	82.1	48.8	358.1