

Table 4.1: Overview over nutrient concentrations

	Collelongo	Aubure	Jezeri	Schacht	Hilleroed	MdiM	Aubure	Nacetin	Waldstein	Klosterh.	Skogaby	Åheden
Stand age [years]	90	150	78	120	120	38	100	60	145	80	30	145
ANPP [kg m ⁻² yr ⁻¹]	0.87	0.70	1.25	0.77	0.89	1.09	0.73	0.99	1.03	1.14	1.16	0.37
<i>Leaves, Needles [mg g⁻¹ dw]</i>												
C	478.30	498.50		506.20	476.70	499.20	495.60		506.30	496.10	468.35	497.30
N	24.22	26.74		26.18	27.72	13.26	12.44	15.25	14.84	12.56	10.70	7.66
P	1.23	1.82	0.81	1.11	1.37	1.57	1.95	1.27	1.68	1.29	0.81	1.60
S	1.64	7.74		1.46	1.67	1.01	1.01	2.52	1.30	1.24	0.75	0.69
Ca	7.56	2.97	5.36	4.21	7.18	10.62	3.70	4.79	6.23	4.37	2.02	4.93
K	6.39	9.28	6.78	3.66	7.00	6.67	6.64	5.28	6.96	7.46	3.77	5.89
Mg	1.59	0.69	0.43	0.59	1.59	0.75	0.74	0.70	0.56	1.56	0.62	1.09
<i>Twigs [mg g⁻¹ dw]</i>												
C	464.40	480.00		477.60	474.00	498.00	486.00		515.00	489.60		490.80
N	9.64	6.83	6.86	7.18	7.53	5.21	3.92	7.61	8.40	2.62	4.63	5.78
P	0.74	1.24	0.75	1.24	1.48	0.78	0.41	0.80	1.66	0.38	0.50	
S	0.39	0.36	0.34	0.38	0.42		0.78	0.59	0.91	0.24	0.54	
Ca	5.66	0.70	3.51	1.96	1.81	6.59	3.37	2.89	3.79	0.66	2.42	
K	5.13	3.41	2.30	2.24	3.16	4.13	1.87	3.12	5.81	2.00	1.85	
Mg	0.37	0.22	0.37	0.36	0.41	0.06	0.32	0.62	0.98	0.45	0.53	
<i>Branches [mg g⁻¹ dw]</i>												
C	475.79					481.10			515.00			
N	1.29	2.93				0.30		7.61	4.48		4.63	
P	0.50	0.19				0.22		0.01	0.67		0.50	
S								0.59	0.68		0.54	
Ca	2.96	2.53				1.15		0.93	6.04		2.42	
K	1.77	1.77				0.88		0.56	1.54		1.85	
Mg	0.04	0.29				0.04		0.16	0.63		0.53	
<i>Sapwood [mg g⁻¹ dw]</i>												
C	465.60	481.20		485.50	474.00	470.40	489.60		497.20	480.20	483.60	483.60
N	0.67	0.42		1.26	1.40	0.14	1.18	1.48	0.84	0.98	0.73	0.98
P	0.13	0.08	0.09	0.10		0.12	0.05	0.01	0.04		0.12	
S		0.08	0.16				0.74	0.05	0.05		0.11	
Ca	1.41	0.45	1.56	0.27		1.11	0.23	0.93	0.67		1.06	
K	1.29	0.98	1.28	1.04		0.45	0.62	0.56	0.21		0.91	
Mg	0.12	0.12	0.27	0.29		0.03	0.14	0.16	0.08		0.22	
<i>Stembark [mg g⁻¹ dw]</i>												
C	468.04					486.20			494.40			
N	4.97					4.63			4.62		5.30	
P	0.28					0.76			0.51			
S									0.55			
Ca	19.61					9.56			12.12			
K	2.06					3.58			1.69			
Mg	0.04					0.09			0.81			
<i>Coarse roots [mg g⁻¹ dw]</i>												
C	465.60					470.40			496.56			
N	0.04		4.53			0.02	1.60	5.97	2.80			
P	0.00		0.42			0.01	0.21	0.52	0.06			
S			0.25				0.81	0.51	0.03			
Ca	0.03		6.89			0.01	1.70	3.34	3.61			
K	0.02		2.62			0.02	1.50	2.30	2.15			
Mg	0.00		0.70			0.00	0.20	0.53	0.17			
<i>Fine roots [mg g⁻¹ dw]</i>												
C	494.50	527.00		500.70		452.45	509.00		484.30			
N	4.42	17.50	9.53	17.30		6.65	16.10	12.96	16.90		9.70	
P	0.29	1.47	0.73	1.45		1.14	1.31	1.20	1.05		0.60	
S		1.44	0.63	2.28			1.18	0.37	1.28		0.70	
Ca	2.80	2.19	4.68	3.58		9.58	2.96	3.09	3.40		2.20	
K	1.84	1.25	3.08	1.18		3.67	0.77	2.82	0.65		0.40	
Mg	0.04	0.44	0.69	2.27		0.33	0.43	0.56	0.40		0.50	
Carbon [mg g ⁻¹ dw]												
L	373.50	488.20	456.10	472.50	445.20	337.80	Incl. FH	458.00	496.60	515.50	510.80	490.50
FH	146.2*	258.80	289.10	430.80	47*	64.8*	388.80	369.70	377.10	430.10	432.00	403.30
A 0-10	89.7**	92.40	75.60	164.70	23.8**	41.2**	36.10	119.50	59.10	25.80	41.80	24.00
A 10-20	67.10	31.80	32.00	72.20	15.70	36.80	14.40	43.90	58.00	28.90	23.00	7.60
A 20-30	60.30	21.90	25.00	62.60	12.20	34.60	11.40	24.60	51.70	14.50	19.10	4.50
A 30-50	48.90	25.80	19.10		8.10	26.30	8.80	13.20	20.10	4.00	11.80	1.60
Nitrogen [mg g ⁻¹ dw]												
L	18.05	19.30	17.90	19.60	17.20	16.10	Incl. FH	17.00	20.60	18.79	14.20	10.78
FH	11.00	12.10	14.60	21.90	2.5*	5.61*	15.00	15.20	16.96	13.97	15.40	10.93
A 0-10	7.29	5.24	3.80	7.56	1.16**	4.21**	2.18	3.90	2.40	0.67	1.70	0.74
A 10-20	5.36	1.80	1.60	3.36	0.70	4.08	1.10	1.60	2.31	0.87	1.00	0.32
A 20-30	4.82	1.15	1.20	2.80	0.53	3.78	0.94	1.10	1.99	0.52	0.90	0.25
A 30-50	4.05	1.22	1.00		0.37	2.25	0.72	0.60	0.88	0.15	0.60	0.14