

**Table 4.7: Biomass, productivity and ecosystem C and N pools**

Beech stands						Spruce stands						
	Collelongo (90)	Aubure (150)	Jezeri (78)	Schacht (120)	Hilleroed (120)	MdiM (38)	Aubure (100)	Nacetin (60)	Waldstein (145)	Klosterhede (80)	Skogaby (30)	Åheden† (145)
<b>Productivity [kg m<sup>-2</sup>yr<sup>-1</sup>]</b>												
Foliage	0.28	0.28	0.37	0.35	0.47	0.28	0.21	0.36	0.47	0.10	0.25‡	0.09
Stem	0.28	0.20‡	0.42	0.20‡	0.20‡	0.45	0.30	0.36	0.33	0.60	0.52	0.17
Branches + Twigs	0.31	0.22	0.46	0.22	0.22	0.36	0.22	0.27	0.23	0.44	0.39	0.11
<b>ANPP</b>	0.87	0.70	1.25	0.77	0.89	1.09	0.73	0.99	1.03	1.14	1.16	0.37
<b>Standing biomass [kg m<sup>-2</sup>]</b>												
Foliage	0.28	0.28¶	0.37	0.35	0.47	1.68	0.92	1.33	1.66	1.50	1.40§	0.61
Stem	17.42	20.37	16.07	22.29	26.59	13.10	23.41	11.70	19.32	15.30	8.55	5.20
Branches + Twigs	3.18	4.83	4.02	4.58	6.04	1.72	1.95	2.34	3.02	2.61	2.22	1.39
Coarse Roots + Stump	5.52	5.42	4.79	5.40‡	7.08	5.48	4.37	6.08	7.42	4.40	2.71	1.32
<b>Total</b>	26.40	30.62	25.25	32.62	40.18	21.98	30.64	21.45	31.42	23.81	14.88	8.52
<b>Nitrogen pools [t ha<sup>-1</sup>]</b>												
Foliage	0.068	0.075	0.098	0.092	0.130	0.223	0.114	0.203	0.246	0.188	0.150	0.047
Stem	0.117	0.086	0.204	0.281	0.372	0.135\$	0.276	0.173	0.162	0.150	0.062	0.051
Branches + Twigs	0.307	0.330	0.276	0.329	0.455	0.089	0.076	0.178	0.254	0.068	0.103	0.080
Coarse Roots + Stump	0.144	0.141	0.217	0.140	0.184	0.153	0.069	0.363	0.208	0.123	0.076	0.037
<b>Total (trees)</b>	0.636	0.631	0.794	0.842	1.142	0.601	0.535	0.917	0.870	0.530	0.390	0.215
L+F+H	2.390	0.500	2.170	1.760	1.230	2.550	0.620	2.330	2.640	1.830	1.080	0.400
<b>Total (L-50cm)</b>	18.060	4.910	4.960	7.780	4.340	17.670	3.290	6.810	8.390	4.570	5.400	2.100
<b>Carbon pools [kg m<sup>-2</sup>]</b>												
Foliage	0.13	0.14	0.19	0.18	0.22	0.84	0.46	0.68	0.84	0.74	0.66	0.30
Stem	8.11	9.80	7.81	10.82	12.60	6.16	11.46	5.69	9.61	7.35	4.13	2.52
Branches + Twigs	1.50	2.32	1.92	2.19	2.87	0.86	0.95	1.15	1.56	1.28	1.09	0.68
Coarse Roots + Stump	2.57	2.61	2.33	2.63	3.36	2.58	2.14	2.96	3.68	2.14	1.31	0.64
<b>Total (trees)</b>	12.31	14.87	12.24	15.82	19.06	10.44	15.00	10.48	15.69	11.51	7.18	4.14
L+F+H	3.45	1.11	4.44	3.59	2.45	3.52	1.60	5.73	5.90	5.56	3.11	1.49
<b>Total (L-50cm)</b>	22.79	9.40	10.00	16.36	9.31	18.63	5.32	16.98	21.07	14.40	13.18	5.54