

**Phytomass and carbon content of forested area of Russian forests
by main tree species and age classes**

Tree species	Phytomass, Tg of dry organic matter							Carbon		
	Young 1	Young 2	Middle age	Immature	Mature	Over mature	Total	Total, Tg	Density, kg/m ²	Ratio, kg/m ³
European part										
Coniferous	246.2	934.8	2557.0	1382.1	2884.9	2768.5	10773.5	5322.1	4.95	0.388
Pine	93.2	567.8	1832.6	697.2	824.7	603.4	4618.9	2282.7	4.66	0.364
Spruce	150.8	357.3	645.7	627.9	1953.9	2085.6	5821.3	2874.3	5.09	0.412
Fir	0.5	3.4	18.6	14.3	47.9	51.1	135.9	67.3	8.54	0.296
Larch	0.7	5.1	6.5	3.3	9.9	23.1	48.6	24.2	6.10	0.442
Cedar	1.0	1.2	53.5	39.3	48.4	5.3	148.7	73.6	7.81	0.38
Hard deciduous	11.2	54.3	480.1	151.1	226.1	114.8	1037.7	515.7	8.56	0.546
Oak	7.7	36.7	305.4	96.6	124.2	30.5	601.1	298.5	7.43	0.514
Soft deciduous	79.2	274.9	2695.5	1289.1	1780.8	948.0	7067.6	3510.0	5.73	0.433
Birch	52.0	185.8	2187.2	966.2	1217.7	454.6	5063.5	2513.7	5.43	0.446
Aspen	20.5	61.9	161.0	194.1	370.1	404.5	1212.1	602.6	6.04	0.356
Other species	0.5	3.1	2.3	1.2	7.2	8.6	22.8	11.4	9.74	0.549
Shrubs	0.3	0.5	1.9	0.5	2.2	2.9	8.3	4.0	0.81	1.285
Total	337.4	1267.7	5736.8	2824.0	4901.2	3842.7	18909.9	9363.1	5.34	0.411
Asian part										
Coniferous	460.7	1362.5	9162.5	5256.0	12518.8	10727.7	39488.2	19535.8	4.49	0.406
Pine	126.0	311.3	1566.3	856.7	2284.6	2142.6	7287.6	3589.6	4.47	0.35
Spruce	16.0	31.4	299.9	339.8	1464.3	1302.4	3453.9	1708.4	5.78	0.413
Fir	16.4	40.4	263.1	263.0	665.3	297.9	1546.2	764.3	5.04	0.307
Larch	261.8	809.1	4362.6	2097.6	7141.7	6926.1	21598.9	10701.3	4.00	0.457
Cedar	40.4	170.2	2670.7	1699.0	962.9	58.6	5601.7	2772.2	6.66	0.349
Hard deciduous	8.9	55.6	237.1	158.3	715.6	400.2	1575.8	779.3	6.01	0.64
Oak	3.5	26.8	139.7	68.9	123.7	33.3	395.8	196.0	5.87	0.609
Soft deciduous	111.1	269.7	1726.2	835.3	2073.6	2505.3	7521.2	3725.4	4.45	0.456
Birch	83.7	204.3	1452.2	667.9	1585.9	1741.5	5735.4	2839.5	4.25	0.481
Aspen	25.4	57.3	209.1	126.8	330.3	696.5	1445.3	717.1	5.13	0.372
Other species	0.2	0.8	21.6	0.7	0.3	0.2	23.7	11.6	1.12	0.452
Shrubs	16.9	199.9	1169.0	235.4	460.4	70.8	2152.4	1037.1	1.41	0.664
Total	597.8	1888.5	12316.4	6485.7	15768.7	13704.3	50761.3	25089.2	4.13	0.424
Russian Federation, total										
Coniferous	706.9	2297.3	11719.5	6638.1	15403.7	13496.2	50261.7	24857.9	4.57	0.403
Pine	219.2	879.1	3398.9	1553.9	3109.3	2746.1	11906.4	5872.3	4.53	0.355
Spruce	166.8	388.8	945.6	967.7	3418.2	3388.1	9275.2	4582.7	5.35	0.413
Fir	17.0	43.8	281.7	277.3	713.2	349.0	1682.0	831.7	5.21	0.306
Larch	262.5	814.2	4369.1	2100.9	7151.6	6949.2	21647.5	10725.5	4.00	0.457
Cedar	41.4	171.4	2724.2	1738.2	1011.3	63.9	5750.4	2845.8	6.68	0.350
Hard deciduous	20.2	109.9	717.2	309.4	941.7	515.0	2613.5	1295.0	6.77	0.601
Oak	11.2	63.5	445.1	165.5	247.9	63.8	996.9	494.5	6.69	0.550
Soft deciduous	190.3	544.6	4421.7	2124.4	3854.4	3453.4	14588.8	7235.4	4.94	0.445
Birch	135.7	390.1	3639.4	1634.0	2803.6	2196.1	10798.9	5353.2	4.69	0.465
Aspen	45.9	119.2	370.1	320.9	700.4	1101.0	2657.4	1319.7	5.47	0.365
Other species	0.7	3.9	23.9	1.9	7.5	8.7	46.5	23.0	1.67	0.424
Shrubs	17.2	200.4	1170.9	235.9	462.6	73.7	2160.7	1041.0	1.40	0.665
Total	935.2	3156.2	18053.1	9309.8	20669.9	17547.0	69671.2	34452.3	4.37	0.421