

**Net Primary Production of forested area of Russian forests  
by dominant species and phytomass fractions**

Tree species	NPP component, Tg of carbon						NPP total	of which green parts
	Stem	Branches	Foliage	Roots	Under-story	Green forest floor		
European part								
Coniferous	57.3	17.5	73.5	108.8	20.0	58.1	335.2	102.7
Pine	30.2	6.7	22.3	33.6	5.2	38.0	136.1	39.1
Spruce	25.5	10.4	49.1	73.1	14.3	19.4	191.9	61.2
Fir	0.6	0.2	1.0	0.9	0.2	0.3	3.1	1.2
Larch	0.2	0.1	0.6	0.6	0.1	0.2	1.8	0.7
Cedar	0.7	0.1	0.5	0.6	0.2	0.1	2.3	0.6
Hard deciduous	8.2	2.9	12.2	17.1	2.1	4.2	46.7	14.5
Oak	5.6	2.0	8.7	11.9	1.3	2.8	32.3	10.2
Soft deciduous	67.6	15.6	78.1	65.8	13.8	28.7	269.6	93.7
Birch	50.4	11.4	60.0	42.1	10.6	20.6	195.1	71.4
Aspen	10.5	2.3	8.7	12.3	2.0	5.1	40.8	11.3
Other species	0.1	0.0	0.1	0.1	0.0	0.0	0.4	0.1
Shrubs	0.0	0.3	0.3	0.1	0.0	0.1	0.8	0.3
<b>Total</b>	<b>133.2</b>	<b>36.2</b>	<b>164.3</b>	<b>192.0</b>	<b>35.9</b>	<b>91.2</b>	<b>652.8</b>	<b>211.6</b>
Asian part								
Coniferous	152.8	49.2	364.9	393.5	84.3	225.8	1270.5	480.5
Pine	35.2	6.9	44.3	40.8	9.6	67.8	204.6	74.3
Spruce	6.6	3.1	23.1	35.7	12.6	14.9	96.0	32.8
Fir	6.9	2.8	13.3	12.5	4.0	5.6	45.2	16.7
Larch	90.6	29.8	241.3	249.9	37.8	112.7	762.1	297.7
Cedar	13.6	6.6	42.8	54.6	20.4	24.7	162.7	58.8
Hard deciduous	3.2	1.6	9.3	13.4	4.8	7.4	39.6	13.7
Oak	2.0	0.9	4.3	6.3	1.9	3.3	18.6	6.2
Soft deciduous	52.1	13.9	76.5	74.1	25.4	52.2	294.2	105.0
Birch	40.5	10.7	62.1	55.2	20.7	42.5	231.7	85.3
Aspen	8.7	2.3	10.1	13.2	3.9	7.7	45.9	14.4
Other species	0.6	0.1	0.4	0.5	0.2	0.6	2.4	0.7
Shrubs	9.0	29.1	50.1	17.3	0.0	17.2	122.6	57.0
<b>Total</b>	<b>217.6</b>	<b>93.9</b>	<b>501.2</b>	<b>498.8</b>	<b>114.7</b>	<b>303.1</b>	<b>1729.3</b>	<b>656.9</b>
Russian Federation, total								
Coniferous	210.1	66.7	438.4	502.4	104.3	283.9	1605.7	583.3
Pine	65.4	13.7	66.6	74.4	14.8	105.8	340.7	113.4
Spruce	32.1	13.5	72.3	108.8	26.9	34.3	287.8	94.1
Fir	7.5	3.0	14.3	13.4	4.2	5.9	48.3	17.9
Larch	90.8	29.9	241.9	250.5	37.8	112.9	764.0	298.4
Cedar	14.2	6.7	43.3	55.2	20.6	24.9	164.9	59.4
Hard deciduous	11.4	4.5	21.5	30.5	6.8	11.6	86.4	28.2
Oak	7.6	2.9	13.0	18.2	3.2	6.1	50.9	16.4
Soft deciduous	119.7	29.4	154.6	139.9	39.2	80.9	563.8	198.7
Birch	90.9	22.1	122.1	97.4	31.3	63.1	426.8	156.7
Aspen	19.1	4.6	18.8	25.5	5.8	12.8	86.8	25.7
Other species	0.7	0.2	0.5	0.6	0.2	0.6	2.8	0.8
Shrubs	9.0	29.4	50.4	17.4	0.0	17.3	123.5	57.3
<b>Total</b>	<b>350.8</b>	<b>130.1</b>	<b>665.5</b>	<b>690.8</b>	<b>150.6</b>	<b>394.3</b>	<b>2382.2</b>	<b>868.4</b>