

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Belgorod oblast	Coniferous	1909.5	224.9	305.4	202.3	483.0	11.1	19.2	2930.6	213.3
Belgorod oblast	Pine	1903.5	224.0	303.8	201.4	480.6	11.1	19.2	2919.6	212.4
Belgorod oblast	Spruce	3.0	0.4	0.8	0.7	1.2	0.0	0.0	5.8	0.7
Belgorod oblast	Larch	3.0	0.5	0.8	0.2	1.2	0.0	0.1	5.2	0.2
Belgorod oblast	Hard deciduous	16576.9	2399.4	3953.7	936.9	10764.4	320.7	633.8	33186.4	1286.4
Belgorod oblast	Oak	15696.5	2285.6	3722.4	886.7	10196.3	302.1	592.9	31396.9	1214.3
Belgorod oblast	Soft deciduous	857.7	154.5	146.6	43.7	345.0	10.6	32.6	1436.2	59.9
Belgorod oblast	Birch	110.3	21.9	21.1	6.8	38.3	1.5	5.0	183.0	9.2
Belgorod oblast	Aspen	354.6	66.3	64.7	18.6	150.7	4.6	14.2	607.4	25.7
Belgorod oblast	Other species	4.3	0.7	1.0	0.3	2.2	0.1	0.4	8.2	0.5
Belgorod oblast	Shrubs	0.0	0.0	4.0	1.8	3.1	0.0	0.7	9.6	2.1
Belgorod oblast	Total	19348.4	2779.6	4410.7	1184.9	11597.6	342.5	686.8	37570.9	1562.2
Brjansk oblast	Coniferous	48275.4	5058.7	6753.4	4065.9	12872.0	418.2	1813.8	74198.7	4916.6
Brjansk oblast	Pine	42140.8	4229.7	5339.3	2947.8	10260.1	369.1	1736.5	62793.6	3752.9
Brjansk oblast	Spruce	6111.2	825.1	1408.1	1116.4	2602.4	49.1	76.9	11364.1	1161.9
Brjansk oblast	Larch	23.0	3.8	6.0	1.6	9.4	0.0	0.3	40.3	1.7
Brjansk oblast	Cedar	0.4	0.1	0.1	0.1	0.2	0.0	0.0	0.8	0.1
Brjansk oblast	Hard deciduous	6294.7	863.0	1339.1	299.1	3582.8	153.1	254.8	11923.6	446.9
Brjansk oblast	Oak	6040.6	832.3	1286.6	289.1	3460.7	147.7	246.4	11471.1	431.9
Brjansk oblast	Soft deciduous	39574.4	6866.9	6522.1	1664.9	12163.1	561.7	1302.9	61789.0	2354.2
Brjansk oblast	Birch	25174.9	4594.6	4451.5	1157.9	7220.3	346.0	803.5	39154.1	1582.9
Brjansk oblast	Aspen	9148.2	1465.8	1520.7	342.9	3437.7	138.7	310.8	14899.0	508.7
Brjansk oblast	Shrubs	0.0	0.0	32.0	14.2	24.9	0.0	43.2	114.3	31.5
Brjansk oblast	Total	94144.5	12788.6	14646.7	6044.2	28642.8	1133.0	3414.6	148025.7	7749.2
Vladimir oblast	Coniferous	70767.9	7349.1	9656.8	5771.6	18507.3	648.5	2912.0	108264.2	7130.5
Vladimir oblast	Pine	63195.4	6345.7	7978.7	4445.4	15341.6	592.3	2830.8	94384.2	5755.0
Vladimir oblast	Spruce	7521.8	995.4	1669.2	1323.9	3147.4	56.0	80.8	13799.1	1373.0
Vladimir oblast	Larch	50.3	8.0	8.8	2.3	18.1	0.1	0.5	80.1	2.5
Vladimir oblast	Cedar	0.4	0.1	0.1	0.1	0.2	0.0	0.0	0.7	0.1
Vladimir oblast	Hard deciduous	801.8	129.3	186.6	44.7	539.9	22.3	35.7	1631.0	65.7
Vladimir oblast	Oak	799.9	129.1	186.1	44.5	538.4	22.3	35.6	1626.8	65.4
Vladimir oblast	Soft deciduous	42566.1	7527.6	7302.4	1851.0	12854.0	655.5	1504.7	66733.7	2649.1
Vladimir oblast	Birch	33527.5	6090.8	5923.4	1531.2	9608.7	514.7	1190.1	52295.6	2161.3
Vladimir oblast	Aspen	6835.4	1102.3	1130.5	248.1	2575.5	102.4	224.3	11116.2	368.5
Vladimir oblast	Total	114135.8	15006.0	17145.8	7667.3	31901.2	1326.4	4452.4	176628.8	9845.3
Voronezh oblast	Coniferous	10412.3	1119.2	1460.3	856.9	2597.9	87.9	147.8	15563.2	942.3
Voronezh oblast	Pine	10405.5	1118.1	1458.7	856.4	2595.2	87.9	147.6	15551.3	941.8

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Voronezh oblast	Spruce	0.8	0.1	0.2	0.2	0.3	0.0	0.0	1.5	0.2
Voronezh oblast	Larch	6.0	1.0	1.4	0.4	2.4	0.0	0.1	10.3	0.4
Voronezh oblast	Hard deciduous	15740.8	2391.8	3827.6	923.4	10687.0	381.9	761.3	32322.1	1342.2
Voronezh oblast	Oak	14459.2	2222.1	3469.6	847.7	9822.0	346.1	677.7	29622.3	1222.4
Voronezh oblast	Soft deciduous	4680.1	811.7	745.8	212.4	1743.4	63.3	186.3	7631.4	305.9
Voronezh oblast	Birch	511.3	98.1	95.0	28.5	165.7	7.1	22.0	829.6	39.4
Voronezh oblast	Aspen	1731.0	307.2	303.7	80.0	702.3	22.0	64.2	2903.2	112.3
Voronezh oblast	Other species	20.0	3.9	4.0	1.2	7.3	0.8	1.9	35.3	2.2
Voronezh oblast	Shrubs	0.0	0.0	82.4	36.6	64.1	0.0	26.7	209.8	47.3
Voronezh oblast	Total	30853.2	4326.7	6120.1	2030.5	15099.8	534.0	1124.1	55761.8	2640.0
Ivanovo oblast	Coniferous	37426.6	4230.9	6187.1	4139.7	11538.1	328.4	1256.9	60876.7	4740.8
Ivanovo oblast	Pine	24741.2	2499.0	3168.0	1757.0	6061.7	234.1	1111.4	37073.3	2271.6
Ivanovo oblast	Spruce	12655.6	1726.8	3011.2	2380.4	5464.1	94.2	144.9	23750.4	2466.6
Ivanovo oblast	Larch	29.0	4.8	7.6	2.0	11.9	0.1	0.6	51.2	2.3
Ivanovo oblast	Cedar	0.9	0.2	0.3	0.2	0.4	0.0	0.0	1.8	0.2
Ivanovo oblast	Hard deciduous	266.2	46.1	64.1	15.1	187.8	10.3	15.3	558.7	24.3
Ivanovo oblast	Oak	264.7	45.9	63.7	15.1	186.8	10.3	15.2	555.8	24.3
Ivanovo oblast	Soft deciduous	43017.6	7488.1	7312.9	1758.3	12711.9	663.3	1390.7	66854.6	2513.1
Ivanovo oblast	Birch	33384.5	5974.2	5809.6	1427.5	9223.1	512.1	1072.4	51429.2	2009.8
Ivanovo oblast	Aspen	8202.6	1303.8	1342.9	285.9	3057.7	119.8	251.5	13260.4	422.4
Ivanovo oblast	Shrubs	0.0	0.0	1.6	0.7	1.3	0.0	1.0	4.6	1.1
Ivanovo oblast	Total	80710.3	11765.0	13565.7	5913.8	24439.0	1002.0	2663.8	128294.6	7279.3
Kaluga oblast	Coniferous	36723.3	4369.4	6792.4	5001.7	12219.8	262.6	858.1	61858.0	5423.6
Kaluga oblast	Pine	17945.8	1794.8	2253.1	1240.9	4355.5	147.5	689.4	26632.3	1560.8
Kaluga oblast	Spruce	18704.6	2563.0	4525.6	3757.1	7837.6	114.8	167.9	35107.5	3858.6
Kaluga oblast	Larch	71.7	11.3	13.3	3.5	26.1	0.3	0.8	115.6	3.9
Kaluga oblast	Cedar	1.2	0.3	0.3	0.3	0.6	0.0	0.0	2.5	0.3
Kaluga oblast	Hard deciduous	6429.5	847.7	1335.2	275.3	3348.4	136.7	205.4	11730.6	398.4
Kaluga oblast	Oak	5594.1	747.0	1157.7	239.5	2924.5	123.4	183.5	10222.8	349.8
Kaluga oblast	Soft deciduous	76995.5	12815.2	12968.3	2910.2	23292.0	1139.5	2211.4	119517.0	4135.9
Kaluga oblast	Birch	49168.7	8610.7	8474.4	1971.2	12995.5	736.6	1407.0	74753.5	2754.5
Kaluga oblast	Aspen	23786.2	3642.7	3842.8	774.8	8610.9	357.3	696.3	38068.2	1160.3
Kaluga oblast	Other species	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0
Kaluga oblast	Shrubs	0.0	0.0	2.2	1.0	1.7	0.0	0.9	5.8	1.4
Kaluga oblast	Total	120148.4	18032.3	21098.2	8188.2	38862.1	1538.8	3275.8	193111.5	9959.2
Kostroma oblast	Coniferous	148618.0	16853.4	24080.6	15735.0	48139.2	1699.4	5670.6	243942.8	18512.0
Kostroma oblast	Pine	86334.8	8781.5	11183.8	6195.9	21424.0	969.1	4763.9	130871.4	8391.6

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Kostroma oblast	Spruce	62213.9	8060.7	12883.9	9534.6	26690.2	729.8	905.7	112958.0	10115.4
Kostroma oblast	Fir	6.9	1.0	1.2	0.7	1.3	0.1	0.1	10.2	0.8
Kostroma oblast	Larch	58.4	9.4	10.5	2.7	21.7	0.5	0.8	94.6	3.2
Kostroma oblast	Cedar	4.0	0.9	1.2	1.2	2.0	0.0	0.1	8.5	1.2
Kostroma oblast	Hard deciduous	33.4	5.9	8.3	2.0	24.2	1.1	1.6	70.7	3.0
Kostroma oblast	Oak	33.1	5.8	8.2	2.0	24.1	1.1	1.6	70.1	3.0
Kostroma oblast	Soft deciduous	202809.6	35476.5	34209.7	7987.1	58402.5	3315.8	6456.5	313181.4	11562.3
Kostroma oblast	Birch	166685.0	29585.7	28303.9	6654.6	44793.0	2749.4	5211.0	254396.9	9562.1
Kostroma oblast	Aspen	34575.4	5664.2	5730.5	1283.2	13152.2	528.4	1166.4	56436.2	1907.9
Kostroma oblast	Total	351461.1	52335.8	58298.6	23724.2	106565.9	5016.4	12128.7	557194.9	30077.4
Kursk oblast	Coniferous	2257.2	256.9	347.6	226.2	572.4	15.9	26.7	3446.1	241.6
Kursk oblast	Pine	2190.8	246.6	327.5	208.5	545.0	15.5	25.9	3313.1	223.5
Kursk oblast	Spruce	58.5	9.0	18.6	17.3	24.5	0.4	0.8	120.0	17.7
Kursk oblast	Larch	8.0	1.3	1.5	0.4	2.9	0.0	0.1	12.9	0.4
Kursk oblast	Hard deciduous	11874.5	1791.8	2894.3	694.5	8085.4	291.2	551.2	24391.2	1002.2
Kursk oblast	Oak	9973.4	1550.4	2418.4	594.7	6937.6	253.7	477.9	20655.7	861.8
Kursk oblast	Soft deciduous	4157.5	695.5	682.0	173.0	1482.1	58.9	140.9	6694.4	247.0
Kursk oblast	Birch	1268.6	240.3	228.2	64.0	387.9	15.0	39.4	2003.1	84.3
Kursk oblast	Aspen	1483.8	236.1	243.8	50.7	551.4	26.4	53.8	2409.9	80.1
Kursk oblast	Other species	5.7	1.3	1.3	0.4	2.4	0.4	0.7	10.9	0.8
Kursk oblast	Shrubs	0.0	0.0	18.6	8.3	14.5	0.0	5.5	46.8	10.5
Kursk oblast	Total	18294.8	2745.5	3943.8	1102.5	10156.7	366.4	725.1	34589.4	1502.2
Lipetsk oblast	Coniferous	6853.0	731.3	937.0	567.0	1684.5	49.4	78.1	10169.0	613.0
Lipetsk oblast	Pine	6809.2	724.6	927.3	561.1	1667.8	49.2	77.7	10092.3	606.9
Lipetsk oblast	Spruce	20.0	2.9	5.3	4.8	8.1	0.1	0.2	38.6	4.9
Lipetsk oblast	Larch	23.7	3.8	4.4	1.2	8.6	0.1	0.2	38.2	1.3
Lipetsk oblast	Hard deciduous	6179.9	933.4	1465.7	353.7	4076.0	131.3	236.9	12443.4	487.8
Lipetsk oblast	Oak	5977.0	907.3	1414.6	342.8	3953.3	127.2	228.8	12043.7	472.4
Lipetsk oblast	Soft deciduous	3989.5	682.5	646.3	166.4	1319.3	53.3	124.5	6299.3	232.2
Lipetsk oblast	Birch	1850.4	343.5	328.3	88.0	547.3	25.4	59.3	2898.7	119.3
Lipetsk oblast	Aspen	1140.3	187.8	189.6	42.8	437.4	14.4	32.2	1856.7	60.0
Lipetsk oblast	Other species	3.4	1.0	0.9	0.3	1.8	0.4	0.4	7.3	0.6
Lipetsk oblast	Shrubs	0.0	0.0	8.2	3.6	6.4	0.0	2.7	20.9	4.7
Lipetsk oblast	Total	17025.7	2348.1	3058.1	1091.1	7087.9	234.5	442.7	28939.9	1338.4
Moscow oblast	Coniferous	87526.7	10101.4	14664.2	10001.5	29283.6	643.4	2035.1	144154.4	11008.1
Moscow oblast	Pine	42320.0	4296.1	5442.9	3059.7	10319.1	358.3	1680.7	63180.6	3839.2
Moscow oblast	Spruce	44934.5	5762.4	9173.3	6928.9	18867.2	284.1	351.8	80539.7	7154.7

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Moscow oblast	Fir	1.8	0.2	0.3	0.2	0.3	0.0	0.0	2.6	0.2
Moscow oblast	Larch	268.8	42.3	47.2	12.3	96.2	1.0	2.6	428.0	13.6
Moscow oblast	Cedar	1.7	0.4	0.5	0.4	0.8	0.0	0.0	3.4	0.4
Moscow oblast	Hard deciduous	3415.4	487.5	753.3	170.8	2014.5	73.5	119.8	6547.2	240.7
Moscow oblast	Oak	3310.5	474.5	727.7	165.1	1949.5	72.2	116.8	6341.7	233.4
Moscow oblast	Soft deciduous	103691.3	17550.8	17412.3	3962.9	30011.9	1541.3	2953.8	159573.5	5605.8
Moscow oblast	Birch	78395.4	13916.2	13583.5	3252.4	21282.0	1080.6	2139.2	119733.2	4431.6
Moscow oblast	Aspen	18945.7	2729.5	2959.7	485.4	6476.3	349.0	581.3	29797.3	822.4
Moscow oblast	Other species	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0
Moscow oblast	Total	194633.6	28139.8	32829.8	14135.2	61310.0	2258.2	5108.7	310275.4	16854.7
Orel oblast	Coniferous	3299.2	368.0	503.3	313.2	887.5	23.5	107.5	5134.3	363.2
Orel oblast	Pine	2857.1	304.8	398.8	234.6	705.2	20.9	102.6	4319.3	281.9
Orel oblast	Spruce	359.7	50.4	90.4	75.0	153.2	2.3	4.2	684.8	77.4
Orel oblast	Larch	82.4	12.8	14.2	3.6	29.1	0.3	0.7	130.3	4.0
Orel oblast	Hard deciduous	5577.4	702.9	1230.4	268.4	3085.4	92.0	176.6	10430.1	366.6
Orel oblast	Oak	5302.2	668.9	1165.4	253.9	2920.9	88.3	168.3	9898.9	347.7
Orel oblast	Soft deciduous	6248.4	1099.7	1090.2	283.2	2177.4	73.9	185.7	10058.7	379.6
Orel oblast	Birch	3265.7	609.1	576.1	154.8	957.6	39.4	97.7	5091.3	205.7
Orel oblast	Aspen	2575.5	434.0	434.4	108.5	1014.7	30.4	76.6	4240.1	148.2
Orel oblast	Other species	1.7	0.3	0.5	0.2	1.1	0.1	0.1	3.6	0.3
Orel oblast	Shrubs	0.0	0.0	11.9	5.3	9.3	0.0	3.1	29.6	6.5
Orel oblast	Total	15126.7	2170.9	2836.3	870.2	6160.6	189.6	472.9	25656.3	1116.1
Rjasan oblast	Coniferous	33558.6	3423.8	4365.6	2488.5	8382.7	314.6	1492.0	50602.1	3179.5
Rjasan oblast	Pine	32409.0	3273.3	4122.5	2306.1	7900.8	306.2	1479.5	48524.0	2989.6
Rjasan oblast	Spruce	1113.0	144.5	234.7	180.2	467.6	8.3	12.0	2015.9	187.5
Rjasan oblast	Larch	36.5	6.0	8.4	2.2	14.2	0.1	0.5	61.9	2.4
Rjasan oblast	Cedar	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Rjasan oblast	Hard deciduous	8953.0	1333.2	1986.9	474.3	5559.2	190.9	322.2	17486.5	660.3
Rjasan oblast	Oak	8915.4	1328.4	1977.1	472.0	5534.0	190.3	320.8	17409.6	657.3
Rjasan oblast	Soft deciduous	34755.8	6037.0	5949.3	1492.3	11095.3	521.3	1158.6	54972.7	2111.8
Rjasan oblast	Birch	24106.0	4407.5	4225.0	1092.1	6948.6	375.8	829.7	37577.3	1536.5
Rjasan oblast	Aspen	6651.0	1065.0	1086.9	236.3	2488.3	100.4	217.9	10780.7	353.5
Rjasan oblast	Other species	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Rjasan oblast	Shrubs	0.0	0.0	42.6	18.9	33.1	0.0	11.8	106.4	23.6
Rjasan oblast	Total	77267.5	10794.0	12344.5	4474.0	25070.4	1026.8	2984.7	123167.9	5975.3
Smolensk oblast	Coniferous	49113.5	6003.8	9369.6	6693.0	18063.5	426.4	1263.5	84929.5	7326.0
Smolensk oblast	Pine	17061.6	1704.1	2153.6	1151.8	4239.4	192.6	931.5	25730.5	1582.1

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Smolensk oblast	Spruce	32005.7	4292.2	7207.7	5538.7	13807.0	233.6	331.6	59124.1	5741.3
Smolensk oblast	Larch	43.8	7.0	7.6	1.9	16.0	0.2	0.4	69.8	2.1
Smolensk oblast	Cedar	2.4	0.5	0.7	0.7	1.2	0.0	0.0	5.1	0.7
Smolensk oblast	Hard deciduous	633.9	82.1	133.9	29.2	340.7	12.3	20.3	1170.2	41.0
Smolensk oblast	Oak	280.6	39.6	59.0	13.9	163.5	6.3	10.3	533.6	19.9
Smolensk oblast	Soft deciduous	111130.9	18801.5	18388.6	4363.0	32745.5	1595.2	3289.6	171512.8	6156.4
Smolensk oblast	Birch	75489.2	13385.3	13175.4	3192.9	20557.5	1029.3	2132.1	115576.4	4353.9
Smolensk oblast	Aspen	24047.6	3717.6	3941.6	815.7	8748.0	379.8	750.7	38683.3	1229.7
Smolensk oblast	Shrubs	0.0	0.0	7.3	3.2	5.7	0.0	3.7	19.9	4.7
Smolensk oblast	Total	160878.2	24887.4	27899.4	11088.4	51155.4	2033.8	4577.1	257632.4	13528.1
Tambov oblast	Coniferous	13749.2	1406.2	1770.3	1023.0	3334.4	117.4	185.7	20180.1	1132.4
Tambov oblast	Pine	13723.8	1402.3	1763.7	1018.8	3324.1	117.2	185.2	20132.9	1128.0
Tambov oblast	Spruce	14.2	2.0	3.9	3.4	5.9	0.2	0.3	27.8	3.6
Tambov oblast	Larch	11.0	1.8	2.7	0.7	4.4	0.0	0.2	19.2	0.8
Tambov oblast	Cedar	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Tambov oblast	Hard deciduous	4868.8	702.0	1200.5	280.0	3218.0	104.2	216.1	9887.7	397.6
Tambov oblast	Oak	4701.1	679.4	1149.9	268.7	3090.7	101.2	207.5	9519.1	382.0
Tambov oblast	Soft deciduous	7718.1	1417.8	1310.1	382.1	2778.8	101.4	292.2	12582.8	529.3
Tambov oblast	Birch	3317.7	649.1	607.4	186.5	1084.7	41.1	125.5	5362.8	249.0
Tambov oblast	Aspen	2800.3	507.0	493.7	133.4	1157.9	35.3	101.4	4722.0	184.5
Tambov oblast	Other species	0.6	0.2	0.2	0.1	0.3	0.1	0.1	1.3	0.2
Tambov oblast	Shrubs	0.0	0.0	39.7	17.6	30.9	0.0	10.2	98.5	21.7
Tambov oblast	Total	26336.7	3526.2	4320.8	1702.8	9362.5	323.1	704.4	42750.3	2081.3
Tver oblast	Coniferous	163681.1	18835.2	27636.8	18258.6	53693.3	1837.3	6722.7	271829.9	21497.7
Tver oblast	Pine	96908.9	9828.1	12542.4	6670.9	24570.7	1152.6	5778.7	147624.2	9327.4
Tver oblast	Spruce	66714.6	8997.0	15078.5	11583.0	29097.5	684.6	942.9	124101.1	12165.1
Tver oblast	Larch	55.0	9.5	15.0	4.0	23.7	0.1	1.1	98.8	4.5
Tver oblast	Cedar	2.7	0.6	0.8	0.8	1.4	0.0	0.0	5.7	0.8
Tver oblast	Hard deciduous	59.1	8.7	12.8	2.8	33.8	1.9	2.9	113.3	4.5
Tver oblast	Oak	47.5	7.3	10.2	2.2	27.6	1.4	1.9	90.7	3.4
Tver oblast	Soft deciduous	195713.4	33992.8	32646.0	7738.2	57646.2	3225.3	6382.9	303352.0	11256.9
Tver oblast	Birch	145879.8	26220.9	25229.3	6114.5	40462.1	2339.4	4615.1	224640.2	8660.9
Tver oblast	Aspen	37713.1	6006.4	6207.0	1281.7	13979.1	602.5	1220.1	61003.6	1950.1
Tver oblast	Total	359453.5	52836.6	60295.6	25999.6	111373.3	5064.5	13108.6	575295.2	32759.1
Tula oblast	Coniferous	2984.5	367.3	562.2	389.5	962.7	17.7	30.0	4946.6	406.8
Tula oblast	Pine	1662.9	172.4	220.8	127.1	406.4	11.5	17.9	2446.6	137.7
Tula oblast	Spruce	1092.3	158.4	298.6	251.3	472.1	5.6	10.0	2129.9	257.0

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Tula oblast	Larch	229.1	36.4	42.8	11.0	84.1	0.6	2.1	369.7	12.0
Tula oblast	Cedar	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0
Tula oblast	Hard deciduous	11123.5	1538.9	2502.7	571.7	6627.3	197.5	369.5	21392.4	778.6
Tula oblast	Oak	10202.7	1425.7	2295.7	528.3	6132.5	185.7	347.4	19692.3	722.9
Tula oblast	Soft deciduous	20010.5	3072.9	3632.8	787.5	7358.3	263.9	507.6	32560.6	1069.5
Tula oblast	Birch	8541.6	1525.6	1478.0	359.2	2327.2	117.1	240.3	13063.4	490.4
Tula oblast	Aspen	5698.0	838.4	894.4	157.3	1985.9	89.9	158.0	8983.5	247.4
Tula oblast	Other species	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0
Tula oblast	Shrubs	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.5	0.1
Tula oblast	Total	34118.8	4979.2	6697.9	1748.8	14948.5	479.1	907.2	58900.3	2255.1
Jaroslavl oblast	Coniferous	42132.8	5051.2	7762.5	5443.7	14604.4	403.1	1322.4	71668.9	6093.3
Jaroslavl oblast	Pine	19916.5	2040.7	2612.4	1433.2	4965.0	209.0	1033.0	30169.2	1909.0
Jaroslavl oblast	Spruce	22167.3	3001.9	5135.7	4006.5	9617.8	194.0	288.5	41409.8	4180.0
Jaroslavl oblast	Fir	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.4	0.0
Jaroslavl oblast	Larch	48.1	8.4	14.0	3.7	21.1	0.1	0.9	87.9	4.1
Jaroslavl oblast	Cedar	0.8	0.2	0.2	0.2	0.4	0.0	0.0	1.7	0.2
Jaroslavl oblast	Hard deciduous	302.8	48.4	71.4	16.3	198.7	9.1	13.9	612.2	24.6
Jaroslavl oblast	Oak	300.7	48.2	70.8	16.2	197.3	9.1	13.8	607.9	24.4
Jaroslavl oblast	Soft deciduous	85042.6	14725.0	14366.3	3362.2	25536.5	1422.2	2829.9	132559.8	4919.9
Jaroslavl oblast	Birch	60973.1	10943.3	10579.7	2570.6	16903.5	988.4	1970.2	93985.5	3654.6
Jaroslavl oblast	Aspen	21438.2	3396.0	3524.0	715.7	7917.7	356.1	707.6	34659.2	1105.3
Jaroslavl oblast	Shrubs	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.4	0.1
Jaroslavl oblast	Total	127478.2	19824.7	22200.3	8822.4	40339.7	1834.5	4166.2	204841.3	11038.1
Republic Karelia	Coniferous	385890.4	43412.9	61950.1	34195.4	131863.7	11887.2	44033.8	669820.6	55367.5
Republic Karelia	Pine	262197.9	27123.2	36719.7	18544.2	73701.9	6312.5	37260.2	434736.4	35338.0
Republic Karelia	Spruce	123649.3	16281.5	25218.3	15646.4	58141.4	5574.3	6771.0	235000.7	20023.5
Republic Karelia	Fir	0.4	0.1	0.2	0.1	0.2	0.0	0.0	0.8	0.1
Republic Karelia	Larch	36.8	6.8	9.6	2.4	17.0	0.2	2.1	68.0	3.3
Republic Karelia	Cedar	5.9	1.4	2.4	2.3	3.4	0.2	0.5	14.6	2.6
Republic Karelia	Hard deciduous	0.4	0.1	0.1	0.0	0.3	0.0	0.0	0.9	0.0
Republic Karelia	Oak	0.4	0.1	0.1	0.0	0.3	0.0	0.0	0.9	0.0
Republic Karelia	Soft deciduous	60161.5	10876.8	10807.9	2660.6	18774.7	1734.9	3293.1	97432.7	4497.2
Republic Karelia	Birch	54760.2	10008.2	9970.3	2506.0	16902.8	1577.3	3027.1	88743.7	4189.0
Republic Karelia	Aspen	4344.2	705.5	732.1	121.9	1580.5	116.5	194.1	7089.2	234.4
Republic Karelia	Total	446052.3	54289.8	72758.1	36856.0	150638.7	13622.1	47326.9	767254.2	59864.7
Republic Komi	Coniferous	1144791.1	142917.2	208762.8	105380.3	501191.9	78664.2	142231.5	2181021.7	185821.8
Republic Komi	Pine	325143.6	32925.5	44189.4	20875.2	92874.9	9040.7	54195.4	546319.1	45259.8

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Republic Komi	Spruce	793705.7	105945.7	159759.1	82640.8	398750.0	68282.8	85880.3	1589018.8	137434.1
Republic Komi	Fir	11270.7	1391.3	2563.9	1255.0	3030.5	807.6	928.9	19856.6	1868.3
Republic Komi	Larch	12230.6	2320.3	1746.7	353.5	5792.3	412.0	1072.8	21607.9	906.0
Republic Komi	Cedar	2440.5	334.5	503.7	255.9	744.1	121.1	154.1	4219.4	353.8
Republic Komi	Soft deciduous	244581.2	43121.0	47264.5	11552.2	82757.0	11158.1	20439.2	417752.2	23068.2
Republic Komi	Birch	201660.7	36337.2	39881.0	10319.2	67589.0	10067.1	18399.5	347916.6	20692.7
Republic Komi	Aspen	42126.0	6528.4	7156.0	1132.3	14699.9	1057.1	1874.9	68046.3	2198.7
Republic Komi	Other species	0.6	0.1	0.2	0.1	0.4	0.0	0.1	1.3	0.1
Republic Komi	Shrubs	0.0	0.0	51.3	22.8	39.9	0.0	1312.1	1426.1	547.6
Republic Komi	Total	1389372.9	186038.3	256078.8	116955.4	583989.2	89822.3	163982.8	2600201.3	209437.7
Arkhangelsk oblast	Coniferous	1004214.9	122100.9	175669.1	90196.4	428641.1	54154.5	102666.5	1855542.4	147474.7
Arkhangelsk oblast	Pine	307930.9	30234.0	39715.2	18371.6	86795.8	8446.6	48348.3	509608.4	40239.5
Arkhangelsk oblast	Spruce	690706.6	90845.7	135214.1	71674.0	339373.6	45558.7	54011.5	1336538.6	106917.1
Arkhangelsk oblast	Fir	0.6	0.1	0.1	0.1	0.2	0.0	0.0	1.0	0.1
Arkhangelsk oblast	Larch	5569.6	1019.6	737.0	148.3	2467.8	148.9	305.9	9377.5	315.2
Arkhangelsk oblast	Cedar	7.2	1.6	2.7	2.3	3.7	0.3	0.7	16.9	2.7
Arkhangelsk oblast	Soft deciduous	169903.4	32318.2	32526.2	9242.9	60366.0	5709.6	13127.1	290875.1	16203.0
Arkhangelsk oblast	Birch	153285.2	29379.9	29535.0	8663.7	53983.0	5255.6	12261.7	262984.2	15141.7
Arkhangelsk oblast	Aspen	16407.4	2902.0	2967.4	571.0	6319.3	448.0	851.8	27564.9	1045.8
Arkhangelsk oblast	Shrubs	0.0	0.0	1.0	0.4	0.8	0.0	0.8	3.0	0.7
Arkhangelsk oblast	Total	1174118.4	154419.1	208196.2	99439.7	489007.8	59864.1	115794.4	2146420.5	163678.4
Vologda oblast	Coniferous	378103.3	42798.2	61165.7	35048.9	138552.8	9661.8	26334.3	648866.9	48475.0
Vologda oblast	Pine	186935.5	17754.9	22371.1	10496.4	49570.9	3625.7	19115.2	292114.8	19227.9
Vologda oblast	Spruce	191066.9	25025.5	38773.9	24546.6	88939.4	6035.4	7215.3	356577.5	29239.5
Vologda oblast	Larch	96.5	17.0	19.3	4.8	40.5	0.6	3.6	165.4	6.4
Vologda oblast	Cedar	4.5	0.9	1.4	1.1	2.0	0.1	0.2	9.2	1.2
Vologda oblast	Hard deciduous	7.7	1.1	2.6	0.5	6.3	0.2	0.5	17.8	0.8
Vologda oblast	Oak	0.8	0.1	0.2	0.1	0.8	0.0	0.1	2.0	0.1
Vologda oblast	Soft deciduous	411590.0	69505.5	69364.7	14910.5	114136.4	8315.2	15129.0	633445.8	23451.3
Vologda oblast	Birch	338395.1	58523.6	57856.7	12885.5	88944.7	6668.4	12117.8	516868.2	19728.9
Vologda oblast	Aspen	68514.4	10317.4	11029.5	1890.6	23943.3	1497.3	2750.3	109625.3	3439.0
Vologda oblast	Total	789700.9	112304.8	130533.1	49959.9	252695.5	17977.2	41463.8	1282330.5	71927.1
Kaliningrad oblast	Coniferous	6022.0	750.8	1202.4	901.0	1998.9	51.1	202.3	10377.8	997.2
Kaliningrad oblast	Pine	3313.8	358.7	472.5	275.9	841.8	33.9	174.8	5112.8	356.0
Kaliningrad oblast	Spruce	2683.0	388.0	725.4	624.0	1147.9	17.1	27.2	5224.5	640.0
Kaliningrad oblast	Fir	0.5	0.1	0.1	0.1	0.1	0.0	0.0	0.8	0.1
Kaliningrad oblast	Larch	24.6	4.0	4.3	1.1	9.2	0.1	0.3	39.5	1.2

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Kaliningrad oblast	Cedar	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Kaliningrad oblast	Hard deciduous	6039.6	721.1	1257.8	245.7	2893.1	98.1	161.8	10696.1	339.8
Kaliningrad oblast	Oak	4280.6	514.2	874.7	175.4	2029.4	71.3	115.4	7546.8	242.9
Kaliningrad oblast	Soft deciduous	10599.9	1842.6	1709.3	458.4	3371.5	154.5	359.3	16652.9	648.4
Kaliningrad oblast	Birch	6350.1	1176.9	1129.2	298.9	1881.5	81.1	187.9	9928.6	398.3
Kaliningrad oblast	Aspen	518.0	86.3	87.8	20.8	200.7	7.1	16.7	851.1	29.6
Kaliningrad oblast	Other species	0.3	0.3	0.3	0.1	0.6	0.2	0.0	1.6	0.2
Kaliningrad oblast	Shrubs	0.0	0.0	2.6	1.2	2.1	0.0	0.4	6.3	1.4
Kaliningrad oblast	Total	22661.9	3314.7	4172.4	1606.4	8266.3	303.9	723.9	37734.7	1986.9
Leningrad oblast	Coniferous	233678.2	27315.3	40471.1	25644.5	80919.1	3092.1	11154.7	394959.7	31032.0
Leningrad oblast	Pine	131972.6	13618.9	17851.9	9268.1	34763.0	1754.2	9379.5	204989.3	13545.0
Leningrad oblast	Spruce	101616.0	13680.1	22594.7	16369.0	46115.6	1337.5	1772.3	189805.1	17478.3
Leningrad oblast	Fir	2.0	0.3	0.6	0.3	0.6	0.0	0.0	3.6	0.3
Leningrad oblast	Larch	83.3	15.0	22.4	5.8	37.8	0.3	2.7	152.2	7.0
Leningrad oblast	Cedar	4.2	1.0	1.5	1.4	2.2	0.1	0.2	9.6	1.5
Leningrad oblast	Hard deciduous	50.6	6.4	10.7	1.9	23.7	1.5	2.0	90.5	3.1
Leningrad oblast	Oak	45.6	5.8	9.6	1.7	21.0	1.4	1.8	81.1	2.8
Leningrad oblast	Soft deciduous	152743.0	26016.7	26233.6	5777.4	44991.5	2867.8	5096.2	237709.6	8674.4
Leningrad oblast	Birch	115596.7	20266.8	20436.0	4726.3	32051.3	2170.8	3874.7	178855.8	6926.0
Leningrad oblast	Aspen	33115.4	5148.8	5407.9	933.9	11849.5	588.7	1020.6	52916.0	1518.4
Leningrad oblast	Total	386471.7	53338.4	66715.4	31423.9	125934.4	5961.4	16253.0	632759.7	39709.7
Murmansk oblast	Coniferous	93838.5	11781.5	18207.1	7881.0	40006.3	9751.7	28363.2	198047.7	22145.5
Murmansk oblast	Pine	53766.0	6101.0	9361.0	4336.6	18143.0	2680.0	18307.5	106594.2	12461.9
Murmansk oblast	Spruce	40066.6	5679.3	8843.4	3543.4	21859.5	7071.6	10054.2	91438.6	9682.0
Murmansk oblast	Larch	4.9	1.1	2.3	0.6	3.3	0.0	1.4	12.6	1.2
Murmansk oblast	Cedar	1.0	0.2	0.4	0.3	0.5	0.0	0.1	2.3	0.3
Murmansk oblast	Soft deciduous	17790.8	3266.5	4414.8	1478.1	8100.5	3865.3	7801.2	43450.7	5755.7
Murmansk oblast	Birch	17776.7	3263.0	4411.1	1477.1	8094.0	3864.4	7798.7	43422.0	5753.4
Murmansk oblast	Aspen	14.1	3.5	3.7	1.0	6.5	0.9	2.5	28.8	2.3
Murmansk oblast	Total	111629.3	15048.1	22621.8	9359.0	48106.8	13617.0	36164.4	241498.4	27901.1
Novgorod oblast	Coniferous	97527.6	11605.1	17527.4	11273.8	34700.0	1247.1	4473.3	166749.1	13436.5
Novgorod oblast	Pine	51072.4	5306.3	7022.3	3643.6	13509.7	704.3	3739.9	79692.3	5350.4
Novgorod oblast	Spruce	46415.4	6291.5	10492.8	7626.8	21171.7	542.6	732.5	86981.9	8082.2
Novgorod oblast	Larch	39.2	7.2	12.1	3.2	18.3	0.1	0.9	73.9	3.6
Novgorod oblast	Cedar	0.5	0.1	0.2	0.2	0.3	0.0	0.0	1.1	0.2
Novgorod oblast	Hard deciduous	335.5	42.5	79.8	15.0	182.1	8.7	13.9	634.9	23.2
Novgorod oblast	Oak	285.0	36.1	66.2	11.7	144.7	8.1	12.0	527.7	18.9

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Novgorod oblast	Soft deciduous	204685.0	33934.4	34013.9	7652.8	58580.4	4085.0	7548.2	316565.4	11895.0
Novgorod oblast	Birch	143849.7	24801.6	25623.8	5893.6	38940.6	2695.4	5017.3	222020.5	8707.4
Novgorod oblast	Aspen	38197.4	5872.7	6287.8	1145.3	13635.7	723.5	1314.8	61304.5	1887.8
Novgorod oblast	Shrubs	0.0	0.0	54.2	24.1	42.2	0.0	23.2	143.6	33.4
Novgorod oblast	Total	302548.1	45582.0	51675.3	18965.7	93504.7	5340.8	12058.5	484093.0	25387.9
Pskov oblast	Coniferous	81984.4	9309.8	13398.4	8099.4	24907.3	1045.5	4914.4	134349.3	10378.1
Pskov oblast	Pine	65330.3	6987.3	9347.3	5022.6	17291.7	851.1	4625.5	102468.5	7127.6
Pskov oblast	Spruce	16628.2	2317.7	4044.6	3074.9	7603.9	194.2	288.3	31834.1	3248.4
Pskov oblast	Larch	25.1	4.5	6.2	1.6	11.3	0.1	0.6	44.9	1.9
Pskov oblast	Cedar	0.8	0.2	0.3	0.2	0.4	0.0	0.0	1.7	0.2
Pskov oblast	Hard deciduous	218.4	26.7	47.3	9.1	109.6	5.6	8.9	398.9	14.3
Pskov oblast	Oak	178.0	21.7	37.9	7.1	86.1	4.8	7.5	321.3	11.5
Pskov oblast	Soft deciduous	82813.9	13973.6	13976.8	3206.5	24229.4	1612.8	3044.8	128884.3	4907.2
Pskov oblast	Birch	59404.8	10356.9	10622.8	2480.9	16468.6	1135.1	2132.8	92245.0	3673.8
Pskov oblast	Aspen	15437.6	2431.4	2586.5	496.4	5599.7	281.6	535.9	24937.7	795.1
Pskov oblast	Total	165016.7	23310.1	27422.5	11315.0	49246.3	2663.8	7968.1	263632.4	15299.7
Nenetsk autonomous okrug	Coniferous	8178.2	1051.1	1539.0	721.9	3936.8	777.6	1150.9	16304.4	1415.0
Nenetsk autonomous okrug	Pine	1224.1	120.0	162.3	67.3	368.1	41.7	248.7	2112.1	179.3
Nenetsk autonomous okrug	Spruce	6920.7	924.9	1372.2	653.7	3553.4	735.2	900.6	14135.8	1234.0
Nenetsk autonomous okrug	Larch	33.5	6.3	4.5	0.9	15.3	0.7	1.6	56.5	1.7
Nenetsk autonomous okrug	Soft deciduous	195.6	32.5	42.6	9.3	65.2	23.0	33.3	368.9	29.5
Nenetsk autonomous okrug	Birch	195.6	32.5	42.6	9.3	65.2	23.0	33.3	368.9	29.5
Nenetsk autonomous okrug	Total	8373.8	1083.6	1581.7	731.1	4002.0	800.6	1184.2	16673.3	1444.4
Republic Adygeja	Coniferous	11373.7	1390.1	2042.0	864.1	2310.1	136.7	155.7	16882.3	967.3
Republic Adygeja	Pine	569.0	51.8	65.4	31.0	145.0	9.0	40.3	859.7	49.8
Republic Adygeja	Spruce	0.4	0.1	0.2	0.1	0.2	0.0	0.0	0.9	0.1
Republic Adygeja	Fir	10804.2	1338.2	1976.5	832.9	2164.9	127.7	115.3	16021.5	917.2
Republic Adygeja	Larch	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Republic Adygeja	Hard deciduous	24825.0	2719.9	5848.3	778.9	11880.2	505.5	694.5	44532.4	1208.0
Republic Adygeja	Oak	7219.1	1042.2	1599.7	366.9	4249.8	155.0	254.2	13844.6	515.0
Republic Adygeja	Soft deciduous	1468.3	254.3	243.6	60.2	519.3	31.7	71.4	2394.6	98.2
Republic Adygeja	Birch	175.6	31.5	32.9	8.8	52.4	6.8	15.6	292.1	17.1
Republic Adygeja	Aspen	460.8	78.2	78.1	17.9	179.7	7.3	16.4	760.1	26.6
Republic Adygeja	Other species	582.9	93.5	149.2	41.1	380.8	7.0	18.2	1179.1	50.5
Republic Adygeja	Shrubs	0.0	0.0	2.7	1.2	2.1	0.0	8.2	14.2	4.5
Republic Adygeja	Total	38249.9	4457.8	8285.9	1745.5	15092.6	680.9	947.9	65002.7	2328.5
Republic Dagestan	Coniferous	4890.0	557.7	786.3	409.2	1408.6	67.8	426.4	7988.2	600.1

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Republic Dagestan	Pine	4890.0	557.7	786.3	409.2	1408.6	67.8	426.4	7988.2	600.1
Republic Dagestan	Hard deciduous	14003.0	2144.1	4813.3	760.5	11199.6	414.7	900.3	32091.4	1244.8
Republic Dagestan	Oak	3599.3	864.1	1261.8	407.2	4725.1	198.6	484.9	10676.9	660.6
Republic Dagestan	Soft deciduous	3447.9	668.7	807.1	239.9	1656.1	131.1	315.3	6597.3	405.3
Republic Dagestan	Birch	2221.0	444.9	492.2	170.0	974.6	89.3	224.7	4171.7	286.6
Republic Dagestan	Aspen	188.5	44.6	43.5	12.2	88.0	5.6	15.6	353.5	20.1
Republic Dagestan	Other species	46.9	8.8	17.1	5.2	46.2	2.4	7.3	125.2	8.8
Republic Dagestan	Shrubs	0.0	0.0	125.9	55.9	98.0	0.0	61.4	341.3	80.5
Republic Dagestan	Total	22387.9	3379.3	6549.7	1470.7	14408.4	616.0	1710.7	47143.4	2339.4
Ingushetia Republic	Coniferous	353.4	41.4	63.1	30.9	112.0	6.6	42.0	608.0	49.7
Ingushetia Republic	Pine	353.4	41.4	63.1	30.9	112.0	6.6	42.0	608.0	49.7
Ingushetia Republic	Hard deciduous	5658.8	609.7	1556.4	173.5	2982.4	124.6	207.8	10703.5	293.9
Ingushetia Republic	Oak	162.1	23.5	41.7	9.1	108.9	5.8	10.6	338.3	15.1
Ingushetia Republic	Soft deciduous	1018.8	170.9	269.3	64.1	561.5	39.8	88.1	2041.6	111.3
Ingushetia Republic	Birch	410.6	75.4	90.8	28.4	160.1	21.0	47.2	758.2	53.6
Ingushetia Republic	Aspen	31.6	7.1	7.3	2.3	14.4	1.0	3.5	60.2	4.0
Ingushetia Republic	Other species	2.0	0.4	0.9	0.3	2.4	0.1	0.2	6.1	0.4
Ingushetia Republic	Shrubs	0.0	0.0	87.2	38.7	67.8	0.0	15.8	209.5	45.0
Ingushetia Republic	Total	7033.0	822.4	1976.9	307.5	3726.2	171.1	353.9	13568.7	500.3
Kabardino-Balkaria Republic	Coniferous	938.4	96.4	134.0	60.1	279.2	17.4	102.0	1531.1	106.1
Kabardino-Balkaria Republic	Pine	938.4	96.4	134.0	60.1	279.2	17.4	102.0	1531.1	106.1
Kabardino-Balkaria Republic	Hard deciduous	15312.6	1642.3	4089.5	461.8	7967.4	335.5	513.9	28680.6	767.8
Kabardino-Balkaria Republic	Oak	757.9	148.1	195.2	61.8	722.5	24.1	52.2	1813.6	89.9
Kabardino-Balkaria Republic	Soft deciduous	4688.5	845.0	836.4	241.3	1730.2	166.5	378.0	8040.9	442.3
Kabardino-Balkaria Republic	Birch	1818.8	341.3	399.4	126.8	723.3	101.3	231.8	3401.3	249.8
Kabardino-Balkaria Republic	Aspen	213.4	50.0	49.9	14.5	98.9	6.0	17.4	400.1	23.3
Kabardino-Balkaria Republic	Other species	95.7	14.9	33.0	9.4	96.8	2.0	5.8	242.7	12.3
Kabardino-Balkaria Republic	Shrubs	0.0	0.0	75.0	33.3	58.3	0.0	14.9	181.4	39.3
Kabardino-Balkaria Republic	Total	21035.2	2598.6	5167.9	805.8	10131.9	521.4	1014.6	38676.7	1367.7
Kalmik Republic	Hard deciduous	99.9	15.9	29.2	6.6	78.6	9.1	19.6	243.1	17.2
Kalmik Republic	Oak	48.4	8.8	13.0	3.2	38.2	5.4	8.5	116.8	8.2
Kalmik Republic	Soft deciduous	23.0	5.3	5.4	1.9	10.8	0.7	2.4	44.2	3.1
Kalmik Republic	Other species	7.8	1.4	2.9	1.0	8.1	0.3	1.2	21.3	1.6
Kalmik Republic	Shrubs	0.0	0.0	36.5	16.2	28.4	0.0	30.1	111.1	28.2
Kalmik Republic	Total	130.7	22.6	74.1	25.7	125.9	10.2	53.2	419.7	50.0
Karachaevo-Cherkessia Republic	Coniferous	17859.2	1966.3	2669.7	1301.0	4816.0	201.8	649.3	27496.9	1621.1
Karachaevo-Cherkessia Republic	Pine	8503.7	840.9	1074.7	527.3	2246.2	108.2	565.8	13025.8	786.0

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Karachaevo-Cherkessia Republic	Spruce	3178.2	356.5	453.0	256.4	1260.4	28.8	25.5	5202.3	275.2
Karachaevo-Cherkessia Republic	Fir	6177.4	768.9	1141.9	517.3	1309.3	64.8	58.0	9268.8	559.9
Karachaevo-Cherkessia Republic	Hard deciduous	18524.6	2030.3	4895.6	519.3	9256.0	438.9	575.4	34209.7	880.8
Karachaevo-Cherkessia Republic	Oak	1904.1	388.9	518.3	150.9	1763.3	72.6	126.5	4535.7	223.2
Karachaevo-Cherkessia Republic	Soft deciduous	9339.3	1701.8	1663.5	442.2	3212.6	308.2	570.5	15536.3	762.7
Karachaevo-Cherkessia Republic	Birch	6036.0	1095.2	1213.3	313.6	2065.3	238.4	418.9	10285.4	552.5
Karachaevo-Cherkessia Republic	Aspen	1096.0	212.6	212.8	45.0	450.9	24.9	52.3	1882.0	73.4
Karachaevo-Cherkessia Republic	Other species	25.7	4.1	8.8	2.5	23.5	0.5	1.7	62.8	3.3
Karachaevo-Cherkessia Republic	Shrubs	0.0	0.0	24.3	10.8	18.9	0.0	14.5	68.6	16.6
Karachaevo-Cherkessia Republic	Total	45748.8	5702.5	9261.9	2275.7	17327.1	949.4	1811.4	77374.3	3284.5
Republic Severnaja Osetia - Alania	Coniferous	444.1	52.4	76.9	39.8	133.3	8.8	58.0	761.0	65.6
Republic Severnaja Osetia - Alania	Pine	444.0	52.4	76.9	39.8	133.2	8.8	58.0	760.8	65.6
Republic Severnaja Osetia - Alania	Spruce	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0
Republic Severnaja Osetia - Alania	Hard deciduous	17672.0	1795.3	4520.4	495.3	8693.2	401.0	610.6	32392.5	859.6
Republic Severnaja Osetia - Alania	Oak	382.8	61.3	96.7	25.5	300.8	15.7	33.9	855.5	43.8
Republic Severnaja Osetia - Alania	Soft deciduous	1407.4	252.6	278.5	78.8	629.5	54.3	129.6	2578.0	146.9
Republic Severnaja Osetia - Alania	Birch	498.9	96.4	106.3	33.6	198.3	28.6	65.5	931.1	68.4
Republic Severnaja Osetia - Alania	Aspen	4.2	1.0	1.0	0.3	2.0	0.2	0.5	8.2	0.6
Republic Severnaja Osetia - Alania	Other species	26.3	4.6	7.9	2.5	20.0	0.5	1.7	58.8	3.3
Republic Severnaja Osetia - Alania	Shrubs	0.0	0.0	66.1	29.4	51.4	0.0	13.7	160.6	34.9
Republic Severnaja Osetia - Alania	Total	19549.8	2104.9	4949.8	645.8	9527.4	464.6	813.6	35951.0	1110.3
Chechnja Republic	Coniferous	84.3	10.9	17.4	9.4	27.3	2.0	14.0	154.3	15.6
Chechnja Republic	Pine	84.3	10.9	17.4	9.4	27.3	2.0	14.0	154.3	15.6
Chechnja Republic	Hard deciduous	25692.5	2772.7	6892.3	783.6	13505.8	567.2	967.7	48409.1	1340.5
Chechnja Republic	Oak	1401.3	253.8	379.3	108.0	1273.9	56.8	128.2	3347.5	176.3
Chechnja Republic	Soft deciduous	2415.5	448.7	507.8	165.2	1108.8	70.7	215.7	4483.8	272.6
Chechnja Republic	Birch	918.0	186.4	211.9	81.7	420.1	32.3	106.1	1770.0	133.8
Chechnja Republic	Aspen	93.7	23.1	22.6	7.7	46.0	2.3	8.6	181.0	11.8
Chechnja Republic	Other species	99.8	16.2	31.2	9.3	86.2	4.2	12.6	243.3	15.6
Chechnja Republic	Shrubs	0.0	0.0	71.2	31.6	55.4	0.0	15.4	173.6	37.8
Chechnja Republic	Total	28292.0	3248.5	7519.9	999.2	14783.4	644.1	1225.3	53464.1	1682.1
Krasnodar Kray	Coniferous	34730.6	4244.2	5793.6	2514.4	6992.5	183.9	291.6	50506.6	2686.1
Krasnodar Kray	Pine	2591.7	262.6	338.9	194.2	650.6	32.2	160.9	3968.5	268.2
Krasnodar Kray	Spruce	1099.7	125.7	167.1	103.0	445.3	7.0	6.8	1828.9	107.8
Krasnodar Kray	Fir	30995.4	3849.2	5275.8	2211.1	5872.0	136.9	111.8	44603.0	2296.8
Krasnodar Kray	Hard deciduous	153718.0	19202.4	38201.6	5701.1	81948.1	3358.3	4598.1	287525.2	8545.7
Krasnodar Kray	Oak	67389.1	10953.5	16886.6	3809.6	44792.1	1807.8	2693.1	137378.4	5428.0

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Krasnodar Kray	Soft deciduous	6304.7	1041.7	944.3	229.7	2070.9	131.4	274.6	9955.5	378.9
Krasnodar Kray	Birch	758.4	130.8	139.9	33.6	211.6	24.0	48.2	1215.6	60.1
Krasnodar Kray	Aspen	1560.5	264.1	269.8	59.5	600.8	27.2	58.5	2576.4	91.0
Krasnodar Kray	Other species	10987.1	1418.7	2360.9	499.4	5438.1	167.1	243.4	19696.0	646.8
Krasnodar Kray	Shrubs	0.0	0.0	26.4	11.7	20.6	0.0	36.5	95.2	26.3
Krasnodar Kray	Total	205740.4	25906.9	47326.8	8956.3	96470.2	3840.7	5444.2	367778.5	12283.7
Stavropol Kray	Coniferous	95.6	14.1	22.1	16.1	26.9	1.2	8.1	169.9	19.7
Stavropol Kray	Pine	95.6	14.1	22.1	16.1	26.9	1.2	8.1	169.9	19.7
Stavropol Kray	Hard deciduous	5138.1	769.3	1437.0	287.1	3579.2	144.1	270.4	10855.9	438.4
Stavropol Kray	Oak	1432.4	295.7	397.2	124.7	1414.6	46.0	94.7	3509.5	176.4
Stavropol Kray	Soft deciduous	382.6	74.8	76.6	20.3	159.5	8.7	21.7	669.4	31.6
Stavropol Kray	Birch	8.4	1.7	1.8	0.7	3.5	0.2	0.7	15.3	1.0
Stavropol Kray	Aspen	6.9	1.3	1.3	0.4	2.9	0.1	0.3	11.9	0.5
Stavropol Kray	Other species	232.8	34.5	88.3	22.7	250.7	3.5	17.1	615.1	30.6
Stavropol Kray	Shrubs	0.0	0.0	39.2	17.4	30.5	0.0	20.4	107.5	25.6
Stavropol Kray	Total	5849.1	892.6	1663.1	363.5	4046.8	157.5	337.7	12417.8	545.7
Astrakhan oblast	Coniferous	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Astrakhan oblast	Pine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Astrakhan oblast	Hard deciduous	619.8	84.8	161.2	31.9	383.6	35.1	65.9	1297.4	68.8
Astrakhan oblast	Oak	67.1	13.1	20.1	5.7	67.6	3.5	8.0	172.0	9.9
Astrakhan oblast	Soft deciduous	2513.7	570.9	603.1	199.7	1137.1	79.2	245.2	4778.1	321.5
Astrakhan oblast	Aspen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Astrakhan oblast	Other species	5.9	1.5	2.0	1.2	4.3	0.7	1.7	15.6	2.1
Astrakhan oblast	Shrubs	0.0	0.0	165.5	73.5	128.8	0.0	91.0	458.8	109.9
Astrakhan oblast	Total	3139.4	657.2	931.8	306.3	1653.7	115.0	403.8	6550.1	502.2
Volgograd oblast	Coniferous	1759.5	236.0	354.6	241.6	485.8	26.2	57.3	2925.0	272.4
Volgograd oblast	Pine	1758.9	235.9	354.4	241.5	485.6	26.2	57.3	2924.0	272.3
Volgograd oblast	Larch	0.5	0.1	0.2	0.0	0.3	0.0	0.0	1.0	0.0
Volgograd oblast	Hard deciduous	8498.9	1754.5	2733.7	797.8	9318.7	474.0	1114.7	22937.9	1385.6
Volgograd oblast	Oak	6430.1	1464.5	2063.0	662.3	7740.3	343.5	818.3	18057.6	1092.5
Volgograd oblast	Soft deciduous	4069.6	776.7	763.6	185.0	1619.4	137.0	297.4	7072.0	345.0
Volgograd oblast	Birch	183.2	33.8	36.8	10.7	63.2	8.3	17.9	320.2	20.3
Volgograd oblast	Aspen	602.0	111.5	114.0	24.7	241.5	19.5	43.4	1045.1	47.9
Volgograd oblast	Other species	22.5	6.0	6.5	2.6	13.2	3.6	9.0	57.3	7.3
Volgograd oblast	Shrubs	0.0	0.0	339.2	150.7	263.9	0.0	117.9	871.6	197.9
Volgograd oblast	Total	14350.5	2773.2	4197.6	1377.7	11700.9	640.8	1596.3	33863.8	2208.0
Rostov oblast	Coniferous	1812.0	253.2	386.2	274.7	502.4	26.4	58.8	3060.6	306.1

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Rostov oblast	Pine	1812.0	253.2	386.2	274.7	502.4	26.4	58.8	3060.6	306.1
Rostov oblast	Hard deciduous	4081.1	696.8	1306.5	348.9	3886.2	154.1	405.0	10181.9	557.0
Rostov oblast	Oak	2365.8	456.3	751.2	222.2	2478.7	96.1	244.7	6158.8	348.8
Rostov oblast	Soft deciduous	1185.0	257.7	235.0	76.7	514.9	22.9	71.1	2105.7	112.0
Rostov oblast	Birch	103.1	21.3	20.9	7.3	40.9	1.9	6.1	180.2	10.3
Rostov oblast	Aspen	68.6	15.6	14.7	4.9	33.0	1.1	4.2	126.5	6.9
Rostov oblast	Other species	33.8	14.4	17.9	5.7	36.9	11.6	10.6	116.5	13.4
Rostov oblast	Shrubs	0.0	0.0	129.8	57.6	100.9	0.0	48.2	336.6	76.9
Rostov oblast	Total	7111.9	1222.0	2075.4	763.7	5041.5	215.1	593.8	15801.3	1065.6
Republic Bashkortostan	Coniferous	84284.6	9074.9	12170.0	7168.6	23778.3	1217.1	4343.4	132962.1	9270.3
Republic Bashkortostan	Pine	61160.8	5772.6	7146.7	3736.0	15046.0	900.6	3892.6	91882.9	5562.6
Republic Bashkortostan	Spruce	13625.2	1904.1	3368.3	2613.6	6148.1	183.2	268.0	26206.4	2775.6
Republic Bashkortostan	Fir	5657.2	790.4	1115.2	685.5	1227.6	77.3	108.8	8871.6	752.2
Republic Bashkortostan	Larch	3834.7	606.4	537.7	131.6	1353.2	55.9	73.8	5986.9	177.9
Republic Bashkortostan	Cedar	6.6	1.5	2.1	2.0	3.4	0.0	0.1	14.3	2.0
Republic Bashkortostan	Hard deciduous	32422.3	5417.9	8993.7	1880.6	23480.1	1870.5	2561.8	71209.0	3465.3
Republic Bashkortostan	Oak	15241.5	3012.8	4407.6	1152.5	13962.8	825.6	1364.8	36954.8	1945.6
Republic Bashkortostan	Soft deciduous	299587.0	46524.3	64088.4	13321.0	127603.2	7714.0	13491.5	525805.0	21026.9
Republic Bashkortostan	Birch	114928.7	19686.5	21465.4	4859.6	32874.8	3352.8	5463.6	182944.9	8048.7
Republic Bashkortostan	Aspen	51915.0	9263.9	9607.6	2068.0	20341.7	1343.8	2814.1	88090.3	3595.9
Republic Bashkortostan	Other species	47.6	10.2	10.7	4.4	21.8	1.6	7.0	93.1	7.7
Republic Bashkortostan	Shrubs	0.0	0.0	171.9	76.3	133.7	0.0	64.0	445.9	101.9
Republic Bashkortostan	Total	416341.5	61027.4	85434.6	22451.0	175017.0	10803.3	20467.7	730515.0	33872.2
Republic Mariy El	Coniferous	41653.3	4528.4	6149.9	3719.2	11804.7	491.3	2204.6	66023.0	4748.1
Republic Mariy El	Pine	33899.9	3516.7	4536.1	2555.9	8452.7	414.3	2098.0	51956.8	3519.1
Republic Mariy El	Spruce	7644.0	994.5	1589.5	1153.4	3318.0	76.4	104.8	13886.1	1218.2
Republic Mariy El	Fir	50.1	7.1	8.3	5.4	9.3	0.4	0.5	74.0	5.7
Republic Mariy El	Larch	58.1	9.8	15.6	4.2	24.1	0.2	1.4	103.4	4.8
Republic Mariy El	Cedar	1.3	0.3	0.4	0.3	0.6	0.0	0.0	2.7	0.3
Republic Mariy El	Hard deciduous	1288.7	167.9	293.0	54.0	673.3	38.3	55.6	2403.0	87.7
Republic Mariy El	Oak	1272.6	165.8	288.7	52.9	661.4	38.0	54.8	2368.4	86.2
Republic Mariy El	Soft deciduous	52780.5	9005.3	9657.8	2470.6	18266.4	778.7	1744.9	85698.9	3401.7
Republic Mariy El	Birch	35958.3	6646.0	6470.1	1770.8	10794.7	521.9	1228.0	56743.8	2418.2
Republic Mariy El	Aspen	5358.7	881.8	909.9	207.6	2042.2	88.1	195.2	8801.7	312.1
Republic Mariy El	Shrubs	0.0	0.0	5.7	2.5	4.4	0.0	1.0	13.7	2.9
Republic Mariy El	Total	95722.5	13701.6	16106.4	6246.4	30748.9	1308.3	4006.2	154138.5	8240.5
Republic Mordovia	Coniferous	18033.5	1873.8	2416.2	1391.8	4507.2	171.4	840.3	27360.3	1779.2

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Republic Mordovia	Pine	17613.3	1815.9	2318.8	1321.8	4332.0	167.6	833.0	26586.5	1705.2
Republic Mordovia	Spruce	365.8	48.7	82.5	66.1	152.1	3.6	6.2	676.4	69.7
Republic Mordovia	Larch	54.1	9.2	14.7	3.8	23.0	0.1	1.1	96.7	4.3
Republic Mordovia	Cedar	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.6	0.1
Republic Mordovia	Hard deciduous	6207.9	1068.6	1545.6	425.5	4945.3	160.3	321.9	13606.5	602.2
Republic Mordovia	Oak	5775.2	1011.4	1422.6	397.4	4628.1	151.9	296.9	12672.0	561.6
Republic Mordovia	Soft deciduous	30325.5	5183.2	5682.1	1455.1	11547.2	429.6	1033.0	50472.4	1996.9
Republic Mordovia	Birch	15902.6	2944.6	2859.2	782.6	4788.8	237.0	559.1	25129.3	1077.2
Republic Mordovia	Aspen	7159.8	1266.4	1262.9	313.8	2869.1	104.9	263.0	11973.7	450.4
Republic Mordovia	Shrubs	0.0	0.0	2.9	1.3	2.3	0.0	0.9	7.3	1.7
Republic Mordovia	Total	54566.8	8125.6	9646.7	3273.7	21002.0	761.3	2196.1	91446.6	4380.0
Republic Tatarstan	Coniferous	19347.3	2143.0	2975.1	1891.7	5200.7	160.9	735.4	30311.1	2234.0
Republic Tatarstan	Pine	16610.7	1732.8	2219.1	1297.8	4060.6	142.2	699.3	25029.6	1620.1
Republic Tatarstan	Spruce	2240.7	330.9	638.7	554.2	967.2	16.9	30.3	4448.1	571.4
Republic Tatarstan	Fir	127.9	18.1	21.4	13.8	23.4	1.1	1.4	188.9	14.7
Republic Tatarstan	Larch	367.7	61.1	95.8	25.8	149.4	0.7	4.4	643.7	27.8
Republic Tatarstan	Cedar	0.4	0.1	0.1	0.1	0.2	0.0	0.0	0.8	0.1
Republic Tatarstan	Hard deciduous	11102.3	1705.5	2804.7	692.0	8124.3	358.7	768.8	23850.7	1106.9
Republic Tatarstan	Oak	10442.2	1617.1	2605.9	646.9	7609.9	337.2	702.9	22345.0	1029.0
Republic Tatarstan	Soft deciduous	54446.4	8609.5	11003.3	2621.9	23799.2	842.5	1906.8	94620.0	3636.8
Republic Tatarstan	Birch	16609.9	2957.2	2939.9	726.8	4656.5	304.1	610.1	25847.3	1061.9
Republic Tatarstan	Aspen	15039.1	2738.6	2694.7	739.7	6230.8	214.1	615.4	25533.6	1050.0
Republic Tatarstan	Other species	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Republic Tatarstan	Shrubs	0.0	0.0	183.1	81.3	142.4	0.0	49.7	456.5	101.2
Republic Tatarstan	Total	84896.0	12457.9	16966.2	5286.9	37266.6	1362.0	3460.7	149238.4	7078.9
Republic Udmurtia	Coniferous	75171.1	9094.8	13779.3	9489.2	27491.6	762.8	2057.5	128751.6	10540.6
Republic Udmurtia	Pine	26881.7	2726.2	3484.3	1963.4	6634.0	294.4	1421.5	40679.4	2620.1
Republic Udmurtia	Spruce	47121.9	6198.0	10074.6	7412.1	20575.4	460.3	621.5	86265.8	7798.5
Republic Udmurtia	Fir	872.3	120.1	138.9	91.1	157.0	7.3	8.6	1275.1	96.7
Republic Udmurtia	Larch	291.0	49.4	80.1	21.3	123.1	0.7	5.9	522.1	23.9
Republic Udmurtia	Cedar	4.2	0.9	1.4	1.3	2.2	0.0	0.1	9.2	1.3
Republic Udmurtia	Hard deciduous	177.7	31.1	47.7	13.7	160.2	4.0	9.9	413.2	18.9
Republic Udmurtia	Oak	95.5	20.5	25.2	8.8	103.1	2.4	5.6	240.6	11.8
Republic Udmurtia	Soft deciduous	82836.5	14118.0	14872.5	3581.8	27876.8	1241.8	2567.2	132976.6	4980.4
Republic Udmurtia	Birch	58232.9	10648.3	10083.0	2546.0	16613.5	918.0	1905.2	90298.4	3582.9
Republic Udmurtia	Aspen	9975.3	1642.5	1657.7	365.0	3805.4	140.4	311.6	16255.6	531.7
Republic Udmurtia	Shrubs	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.0

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Republic Udmurtia	Total	158185.3	23243.8	28699.6	13084.8	55528.7	2008.6	4634.7	262141.7	15540.0
Chuvash Republic	Coniferous	12395.0	1335.4	1766.5	1046.7	3147.6	122.0	598.1	19075.9	1322.5
Chuvash Republic	Pine	11863.8	1255.4	1631.0	960.6	2926.1	116.9	587.1	18085.5	1230.4
Chuvash Republic	Spruce	334.6	47.2	86.0	72.4	142.1	4.7	8.7	648.5	77.3
Chuvash Republic	Larch	194.5	32.3	48.9	13.2	78.4	0.4	2.3	337.7	14.2
Chuvash Republic	Cedar	2.0	0.4	0.6	0.6	1.0	0.0	0.1	4.2	0.6
Chuvash Republic	Hard deciduous	7975.5	1006.5	1811.5	372.7	4411.4	214.0	409.1	15194.1	600.4
Chuvash Republic	Oak	7792.9	982.5	1758.8	359.9	4268.4	210.0	395.1	14785.0	580.8
Chuvash Republic	Soft deciduous	21115.7	3434.0	4117.3	1031.3	8473.8	327.4	759.8	35825.3	1433.2
Chuvash Republic	Birch	10243.7	1887.8	1854.4	511.4	3078.9	164.5	391.0	16243.9	717.0
Chuvash Republic	Aspen	3121.5	558.7	560.2	153.9	1276.0	42.7	123.3	5277.5	216.0
Chuvash Republic	Shrubs	0.0	0.0	69.9	31.1	54.4	0.0	10.9	166.3	35.5
Chuvash Republic	Total	41486.2	5775.9	7765.2	2481.7	16087.2	663.4	1777.8	70261.6	3391.4
Perm oblast	Coniferous	331782.1	43475.7	69225.4	43432.4	149199.2	8501.3	14105.4	616245.7	51619.5
Perm oblast	Pine	43045.2	4367.8	5743.0	2970.5	11403.1	693.5	3682.7	67538.0	4651.2
Perm oblast	Spruce	282026.3	38230.4	62155.1	39735.0	136144.3	7567.8	10127.2	537755.6	46051.4
Perm oblast	Fir	5113.1	660.3	1000.7	571.1	1151.7	193.6	233.8	8264.0	722.6
Perm oblast	Larch	168.9	29.0	39.0	10.0	70.7	0.9	3.9	293.4	11.8
Perm oblast	Cedar	1428.6	188.2	287.6	145.8	429.3	45.4	57.8	2394.6	182.5
Perm oblast	Hard deciduous	36.2	5.2	12.5	3.0	33.9	1.0	4.2	90.8	5.0
Perm oblast	Oak	2.9	0.5	0.8	0.2	2.2	0.1	0.2	6.4	0.3
Perm oblast	Soft deciduous	261726.7	47068.1	50478.6	13412.5	94585.8	5106.7	11247.3	436557.5	19440.2
Perm oblast	Birch	205224.9	38258.0	38378.9	10630.1	65927.8	4261.8	9208.8	333632.4	15589.4
Perm oblast	Aspen	29604.1	5308.8	5273.2	1270.2	11923.5	482.7	1168.8	49722.5	1882.2
Perm oblast	Shrubs	0.0	0.0	0.8	0.4	0.6	0.0	0.4	2.2	0.6
Perm oblast	Total	593544.9	90549.0	119717.3	56848.2	243819.5	13609.0	25357.2	1052896.1	71065.1
Komi-Perm autonomous okrug	Coniferous	106751.4	13216.5	20096.1	12379.2	41981.5	2442.0	6653.5	190303.8	15771.6
Komi-Perm autonomous okrug	Pine	43917.4	4750.4	6470.6	3484.7	12031.6	784.2	4534.4	71222.8	5533.2
Komi-Perm autonomous okrug	Spruce	62683.5	8443.7	13596.3	8877.9	29906.5	1655.4	2115.4	118835.0	10219.6
Komi-Perm autonomous okrug	Fir	83.6	11.4	15.9	9.7	18.0	1.3	1.7	130.2	10.8
Komi-Perm autonomous okrug	Larch	24.6	4.4	3.8	0.9	10.7	0.5	1.2	41.7	1.5
Komi-Perm autonomous okrug	Cedar	42.4	6.5	9.5	6.1	14.7	0.6	0.8	74.1	6.6
Komi-Perm autonomous okrug	Soft deciduous	67761.8	12120.1	12260.7	3023.4	20929.0	1293.7	2578.2	107846.7	4442.0
Komi-Perm autonomous okrug	Birch	58261.3	10437.0	10551.0	2622.2	17150.2	1108.3	2131.3	91824.3	3806.5
Komi-Perm autonomous okrug	Aspen	9387.1	1667.2	1685.7	395.3	3719.7	183.3	442.2	15813.4	627.1
Komi-Perm autonomous okrug	Total	174513.2	25336.6	32356.8	15402.6	62910.5	3735.7	9231.7	298150.5	20213.6
Kirov oblast	Coniferous	278817.7	32878.2	47889.5	31214.6	98588.6	4299.9	11661.6	472471.9	37166.5

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Kirov oblast	Pine	128840.6	13527.8	17623.7	9764.7	33199.1	1564.5	8432.1	199424.6	13605.9
Kirov oblast	Spruce	149256.4	19247.3	30142.5	21380.7	65221.2	2726.8	3217.2	271944.9	23483.9
Kirov oblast	Fir	579.5	78.1	93.4	59.9	108.6	7.3	8.1	856.9	65.3
Kirov oblast	Larch	132.4	23.1	27.3	6.9	55.5	1.2	4.0	227.3	8.9
Kirov oblast	Cedar	8.8	1.8	2.7	2.4	4.2	0.1	0.2	18.3	2.5
Kirov oblast	Hard deciduous	485.0	75.0	119.8	26.4	316.8	14.2	22.2	984.4	39.5
Kirov oblast	Oak	400.3	63.2	93.4	21.0	256.5	13.1	19.5	803.7	32.7
Kirov oblast	Soft deciduous	272013.9	48281.8	47509.3	11608.6	85249.7	5170.9	10376.2	431928.6	17307.0
Kirov oblast	Birch	212368.0	38504.1	37144.9	9300.4	61493.9	4081.2	7945.0	332333.4	13700.1
Kirov oblast	Aspen	51581.0	8721.5	8734.1	1944.7	19831.8	945.4	2158.2	85195.2	3091.0
Kirov oblast	Shrubs	0.0	0.0	4.8	2.1	3.7	0.0	2.1	12.8	2.9
Kirov oblast	Total	551316.6	81234.9	95523.4	42851.7	184158.9	9485.0	22062.1	905397.8	54516.0
Nizhegorogsk oblast	Coniferous	118978.6	13043.9	17651.6	10669.1	32336.6	1306.3	4613.4	185555.5	12905.5
Nizhegorogsk oblast	Pine	105431.7	11262.9	14776.7	8567.6	26445.0	1154.0	4397.6	160772.5	10672.1
Nizhegorogsk oblast	Spruce	13389.8	1755.7	2842.1	2090.8	5835.0	151.1	212.6	24521.4	2221.1
Nizhegorogsk oblast	Fir	29.8	4.2	5.0	3.3	5.6	0.3	0.4	44.3	3.5
Nizhegorogsk oblast	Larch	125.9	20.8	27.4	7.0	50.4	0.9	2.9	214.5	8.4
Nizhegorogsk oblast	Cedar	1.4	0.3	0.4	0.4	0.7	0.0	0.0	2.9	0.4
Nizhegorogsk oblast	Hard deciduous	4614.4	865.7	1169.3	346.5	4073.3	140.7	279.1	10623.4	500.3
Nizhegorogsk oblast	Oak	4484.5	848.4	1131.5	337.7	3973.7	137.9	271.0	10336.3	487.4
Nizhegorogsk oblast	Soft deciduous	138639.1	24978.7	24496.5	6469.9	45520.6	1995.9	4695.5	221817.6	8945.6
Nizhegorogsk oblast	Birch	104488.5	19512.3	18467.3	5019.8	31261.3	1512.9	3528.5	164278.3	6884.1
Nizhegorogsk oblast	Aspen	25142.1	4230.9	4255.7	1024.5	9800.6	352.8	852.4	41427.9	1471.1
Nizhegorogsk oblast	Other species	1.4	0.3	0.3	0.1	0.5	0.0	0.1	2.5	0.1
Nizhegorogsk oblast	Shrubs	0.0	0.0	93.2	41.4	72.5	0.0	14.1	221.1	47.0
Nizhegorogsk oblast	Total	262233.5	38888.6	43410.9	17527.0	82003.4	3442.9	9602.4	418220.1	22398.6
Orenburg oblast	Coniferous	5737.9	548.7	696.2	372.1	1406.6	62.3	95.1	8370.1	428.8
Orenburg oblast	Pine	5720.5	545.8	691.6	370.6	1399.2	62.3	94.7	8338.9	427.1
Orenburg oblast	Spruce	1.6	0.3	0.6	0.5	0.8	0.0	0.1	3.5	0.5
Orenburg oblast	Larch	15.8	2.7	4.0	1.0	6.6	0.0	0.3	27.7	1.1
Orenburg oblast	Hard deciduous	8169.2	1564.6	2410.0	664.7	7767.6	294.8	643.0	19949.4	1010.2
Orenburg oblast	Oak	5970.3	1266.0	1744.7	528.3	6191.9	209.3	423.9	15068.5	760.5
Orenburg oblast	Soft deciduous	19089.6	3174.3	4013.3	905.7	8626.2	381.3	826.2	33842.2	1350.3
Orenburg oblast	Birch	3683.6	658.2	680.1	170.1	1097.8	98.0	190.3	5919.9	275.6
Orenburg oblast	Aspen	3563.1	662.5	659.1	169.0	1475.0	65.0	169.4	6100.6	256.2
Orenburg oblast	Other species	39.0	10.5	12.0	6.8	27.3	2.1	10.7	97.8	11.7
Orenburg oblast	Shrubs	0.0	0.0	180.7	80.3	140.6	0.0	117.7	519.3	127.4

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Orenburg oblast	Total	33035.6	5298.2	7312.2	2029.6	17968.2	740.5	1692.7	62778.8	2928.4
Penza oblast	Coniferous	21311.4	2216.3	2874.6	1663.0	5270.5	208.1	333.6	31661.1	1858.7
Penza oblast	Pine	21087.3	2179.4	2803.5	1612.7	5174.4	206.3	328.9	31213.2	1806.0
Penza oblast	Spruce	134.6	21.9	47.3	43.8	59.4	1.6	3.7	290.4	45.8
Penza oblast	Larch	88.8	14.8	23.5	6.3	36.4	0.1	1.0	156.2	6.7
Penza oblast	Cedar	0.6	0.1	0.2	0.2	0.3	0.0	0.0	1.3	0.2
Penza oblast	Hard deciduous	9970.8	1990.1	2784.0	816.5	9520.8	362.7	717.0	24171.8	1211.9
Penza oblast	Oak	9553.9	1934.5	2668.0	792.8	9248.3	353.4	697.0	23313.4	1177.4
Penza oblast	Soft deciduous	29940.5	5105.6	5780.2	1500.8	12212.5	438.0	1110.9	50983.0	2076.3
Penza oblast	Birch	12428.4	2323.7	2255.5	631.0	3817.4	186.3	455.7	19774.3	869.1
Penza oblast	Aspen	9916.6	1778.9	1754.9	474.8	4065.3	147.2	411.8	16770.5	683.6
Penza oblast	Shrubs	0.0	0.0	25.6	11.4	19.9	0.0	6.9	63.8	14.2
Penza oblast	Total	61222.7	9312.0	11464.3	3991.8	27023.8	1008.8	2168.4	106879.7	5161.2
Samara oblast	Coniferous	7622.6	786.6	1034.6	565.1	1935.1	78.8	198.2	11434.5	668.0
Samara oblast	Pine	7518.9	769.0	1004.4	554.2	1890.5	78.3	196.0	11242.4	656.0
Samara oblast	Spruce	12.5	2.1	4.7	4.2	5.9	0.3	0.7	28.3	4.6
Samara oblast	Larch	91.2	15.4	25.6	6.7	38.7	0.2	1.5	163.8	7.4
Samara oblast	Hard deciduous	10871.4	2167.4	3206.5	928.8	10897.8	381.9	794.2	27080.5	1360.8
Samara oblast	Oak	8951.0	1905.5	2630.4	812.1	9538.4	320.4	659.6	22911.9	1171.9
Samara oblast	Soft deciduous	27151.4	4296.9	6020.2	1437.6	13792.4	401.4	992.3	49795.2	1954.7
Samara oblast	Birch	3612.8	675.9	659.9	182.8	1121.3	64.4	154.2	5795.5	263.8
Samara oblast	Aspen	8383.3	1585.3	1550.4	423.8	3546.9	114.9	325.4	14344.7	588.4
Samara oblast	Other species	18.1	16.7	16.8	6.0	31.2	16.3	7.8	96.3	14.0
Samara oblast	Shrubs	0.0	0.0	28.1	12.5	21.8	0.0	9.9	72.3	16.5
Samara oblast	Total	45663.5	7267.5	10306.2	2949.9	26678.3	878.4	2002.4	88478.7	4013.8
Saratov oblast	Coniferous	2658.7	320.5	454.5	284.4	708.9	33.0	67.0	4206.6	321.1
Saratov oblast	Pine	2610.5	312.2	440.6	280.4	687.5	32.9	65.9	4117.8	316.6
Saratov oblast	Spruce	3.4	0.5	0.8	0.6	1.5	0.0	0.0	6.3	0.6
Saratov oblast	Larch	44.9	7.9	13.1	3.5	19.9	0.1	1.0	82.5	3.9
Saratov oblast	Hard deciduous	14600.7	2907.0	4566.6	1250.2	14687.0	609.2	1271.6	36985.3	1941.2
Saratov oblast	Oak	13023.9	2682.5	4028.9	1140.3	13417.6	534.1	1083.7	33228.4	1733.7
Saratov oblast	Soft deciduous	9879.6	1624.7	2296.9	525.3	5132.7	190.4	441.3	18466.1	758.8
Saratov oblast	Birch	1345.9	258.4	258.0	74.8	464.6	34.4	78.4	2256.1	116.5
Saratov oblast	Aspen	2371.5	427.9	434.0	95.0	939.5	60.9	132.2	4033.1	166.1
Saratov oblast	Other species	6.6	1.4	1.4	0.5	2.8	0.5	1.4	13.1	1.2
Saratov oblast	Shrubs	0.0	0.0	119.2	53.0	92.7	0.0	37.6	302.5	68.0
Saratov oblast	Total	27145.6	4853.6	7438.7	2113.3	20624.1	833.1	1818.9	59973.6	3090.3

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Uljanovsk oblast	Coniferous	33998.8	3514.5	4489.1	2579.7	8318.8	282.2	455.9	50124.4	2846.5
Uljanovsk oblast	Pine	33848.3	3489.3	4441.2	2550.2	8254.2	280.9	452.0	49826.6	2815.1
Uljanovsk oblast	Spruce	68.7	11.3	24.6	23.2	30.1	1.2	2.7	150.5	24.6
Uljanovsk oblast	Larch	81.5	13.8	23.2	6.3	34.4	0.1	1.3	146.9	6.8
Uljanovsk oblast	Cedar	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.5	0.0
Uljanovsk oblast	Hard deciduous	5434.8	1164.8	1637.1	493.8	5761.1	212.4	431.0	13970.1	729.8
Uljanovsk oblast	Oak	5286.6	1144.2	1588.7	483.1	5639.7	209.4	422.6	13630.2	714.8
Uljanovsk oblast	Soft deciduous	35896.4	5934.6	6849.1	1660.4	14476.7	508.2	1159.8	60550.6	2276.5
Uljanovsk oblast	Birch	15200.0	2794.5	2634.3	675.4	4383.3	237.1	494.5	23624.7	944.2
Uljanovsk oblast	Aspen	10385.6	1806.3	1775.9	440.0	4141.9	156.0	401.5	17300.9	647.3
Uljanovsk oblast	Shrubs	0.0	0.0	27.4	12.2	21.3	0.0	6.3	67.2	14.7
Uljanovsk oblast	Total	75330.0	10614.0	13002.7	4746.1	28577.9	1002.8	2052.9	124712.4	5867.5
Kurgan oblast	Coniferous	35803.0	3578.0	4486.1	2503.4	8712.4	379.2	594.5	52478.6	2854.7
Kurgan oblast	Pine	35724.1	3565.5	4464.2	2491.5	8678.4	378.6	592.7	52329.4	2841.9
Kurgan oblast	Spruce	37.0	5.5	10.5	8.8	16.6	0.5	0.9	74.2	9.3
Kurgan oblast	Larch	41.4	7.0	11.3	3.0	17.3	0.1	0.9	74.1	3.4
Kurgan oblast	Cedar	0.5	0.1	0.1	0.1	0.2	0.0	0.0	0.9	0.1
Kurgan oblast	Hard deciduous	4.5	0.6	1.3	0.2	2.8	0.2	0.4	9.5	0.4
Kurgan oblast	Oak	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0
Kurgan oblast	Soft deciduous	66862.5	12531.2	12309.8	3456.6	21349.3	1160.9	3014.8	108153.9	5010.0
Kurgan oblast	Birch	61218.6	11444.3	11243.8	3126.5	18903.3	1069.5	2707.1	98268.7	4529.5
Kurgan oblast	Aspen	5569.1	1072.4	1052.4	325.7	2414.6	89.9	302.7	9754.3	473.7
Kurgan oblast	Other species	2.9	0.6	0.7	0.4	1.5	0.1	0.3	5.8	0.5
Kurgan oblast	Shrubs	0.0	0.0	140.2	62.3	109.0	0.0	71.8	383.2	91.0
Kurgan oblast	Total	102672.8	16110.5	16938.1	6022.8	30175.1	1540.4	3681.8	161031.0	7956.7
Sverdlovsk oblast	Coniferous	607743.9	70990.4	101421.5	59078.8	195728.4	10655.1	36015.1	1010642.7	76674.6
Sverdlovsk oblast	Pine	371767.0	37595.4	48571.2	25063.2	98152.9	5246.8	28924.7	577725.8	38203.8
Sverdlovsk oblast	Spruce	139798.4	19087.9	31405.5	21345.3	66358.2	3549.0	4557.8	267014.2	24230.8
Sverdlovsk oblast	Fir	13185.8	1776.2	2743.1	1567.0	3108.8	318.8	399.8	21323.4	1822.4
Sverdlovsk oblast	Larch	1688.8	290.4	256.7	61.5	669.5	17.4	41.9	2735.8	83.5
Sverdlovsk oblast	Cedar	81303.9	12240.5	18445.0	11041.7	27439.0	1523.1	2090.8	141843.5	12334.0
Sverdlovsk oblast	Hard deciduous	6.3	1.0	2.1	0.5	5.4	0.3	0.7	15.2	0.9
Sverdlovsk oblast	Oak	3.7	0.6	1.2	0.2	3.0	0.2	0.3	8.7	0.4
Sverdlovsk oblast	Soft deciduous	385038.6	70850.7	71346.2	18489.2	127557.9	8240.7	16492.8	627165.5	27553.3
Sverdlovsk oblast	Birch	331605.5	61042.3	61092.0	15894.6	104063.9	7310.5	14022.4	533988.8	23692.0
Sverdlovsk oblast	Aspen	46198.0	8827.6	8580.8	2214.9	19383.3	800.9	2182.0	79359.9	3327.5
Sverdlovsk oblast	Shrubs	0.0	0.0	4.4	1.9	3.4	0.0	0.9	10.7	2.3

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Sverdlovsk oblast	Total	992788.9	141842.1	172774.1	77570.4	323295.1	18896.1	52509.4	1637834.1	104230.9
Tjumen oblast	Coniferous	166015.5	18616.1	27475.6	12266.2	64383.9	5299.3	17770.3	293210.8	20960.7
Tjumen oblast	Pine	96766.1	9805.7	17306.0	7575.9	39037.1	3130.9	15408.7	179224.7	14676.6
Tjumen oblast	Spruce	26513.7	3739.4	4168.4	2267.7	14484.2	826.3	961.4	49221.8	2899.6
Tjumen oblast	Fir	5352.7	681.9	1024.7	591.5	1203.7	153.3	189.5	8515.3	713.2
Tjumen oblast	Larch	32.0	4.9	4.1	0.9	11.0	0.8	0.8	49.6	1.5
Tjumen oblast	Cedar	37351.0	4384.2	4972.4	1830.2	9647.8	1188.0	1209.9	56199.4	2669.8
Tjumen oblast	Soft deciduous	260802.6	42753.0	56332.7	11494.6	86726.5	8711.4	14714.3	438782.2	19988.2
Tjumen oblast	Birch	227984.4	37046.2	48801.6	10008.8	74157.9	7756.9	12784.4	381494.0	17444.7
Tjumen oblast	Aspen	31778.7	5553.6	7219.0	1418.3	11848.7	927.6	1858.6	55050.8	2439.4
Tjumen oblast	Other species	0.3	0.1	0.1	0.0	0.1	0.0	0.0	0.6	0.0
Tjumen oblast	Shrubs	0.0	0.0	165.1	73.3	128.4	0.0	73.0	439.8	102.5
Tjumen oblast	Total	426818.4	61369.2	83973.4	23834.1	151239.0	14010.7	32557.7	732433.4	41051.4
Cheljabinsk oblast	Coniferous	72477.1	7917.0	10503.7	5945.4	20473.3	788.2	2477.7	112665.5	7172.4
Cheljabinsk oblast	Pine	57651.1	5805.6	7429.3	4017.6	14499.6	577.4	2173.6	86348.5	5059.9
Cheljabinsk oblast	Spruce	9349.9	1290.0	2151.5	1468.8	4462.4	145.1	206.3	17784.1	1594.8
Cheljabinsk oblast	Fir	3253.1	459.4	628.8	390.5	687.8	39.3	55.6	5055.1	424.5
Cheljabinsk oblast	Larch	2221.1	361.5	293.4	67.9	822.6	26.4	42.2	3473.6	92.7
Cheljabinsk oblast	Cedar	1.9	0.4	0.6	0.6	1.0	0.0	0.1	4.1	0.6
Cheljabinsk oblast	Hard deciduous	2473.2	350.8	744.0	140.7	1714.4	100.7	151.4	5324.5	231.4
Cheljabinsk oblast	Oak	691.1	98.1	190.1	34.5	425.1	25.4	39.2	1405.5	57.8
Cheljabinsk oblast	Soft deciduous	132043.1	24207.9	25299.2	6822.1	46228.0	2394.5	5544.1	218331.0	9756.6
Cheljabinsk oblast	Birch	108248.9	20242.4	20243.6	5586.4	34465.7	1954.9	4433.1	174932.5	7944.9
Cheljabinsk oblast	Aspen	12734.5	2453.9	2430.1	657.9	5401.8	244.2	667.2	22135.7	997.9
Cheljabinsk oblast	Other species	1.5	0.4	0.4	0.2	0.8	0.0	0.2	3.1	0.3
Cheljabinsk oblast	Shrubs	0.0	0.0	75.9	33.7	59.0	0.0	31.3	199.9	46.2
Cheljabinsk oblast	Total	206995.0	32476.0	36623.1	12942.1	68475.5	3283.5	8204.7	336523.9	17206.9
Khanti-Mansiisky autonomous okrug	Coniferous	1092825.8	146441.5	172275.0	99644.0	328059.4	53614.8	180720.1	1927139.0	187982.2
Khanti-Mansiisky autonomous okrug	Pine	592583.5	75591.9	79835.3	59341.2	130866.9	23557.3	141209.1	1027393.2	122877.0
Khanti-Mansiisky autonomous okrug	Spruce	139681.8	22179.1	26112.6	13027.5	85403.4	10299.7	13185.8	287710.7	21385.1
Khanti-Mansiisky autonomous okrug	Fir	5981.5	734.8	1379.8	700.7	1622.8	321.0	402.0	10407.7	957.6
Khanti-Mansiisky autonomous okrug	Larch	48546.6	8978.3	6571.0	1336.1	21937.2	1448.4	3309.4	83148.7	3093.5
Khanti-Mansiisky autonomous okrug	Cedar	306032.4	38957.3	58376.4	25238.5	88229.1	17988.4	22613.8	518478.7	39669.0
Khanti-Mansiisky autonomous okrug	Soft deciduous	324772.0	52950.0	70249.5	11854.0	109715.9	17141.9	23757.9	557491.1	26488.8
Khanti-Mansiisky autonomous okrug	Birch	249306.9	41134.3	53456.6	9918.9	84771.9	14165.2	19861.5	431481.0	22104.0
Khanti-Mansiisky autonomous okrug	Aspen	75225.7	11747.7	16726.1	1907.9	24818.5	2967.8	3858.9	125504.9	4339.9
Khanti-Mansiisky autonomous okrug	Other species	2.4	2.4	2.4	0.6	5.8	2.4	12.0	25.4	6.1

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Khanti-Mansiysky autonomous okrug	Shrubs	0.0	0.0	891.3	395.9	693.4	0.0	690.5	2671.0	672.1
Khanti-Mansiysky autonomous okrug	Total	1417600.1	199393.9	243418.1	111894.5	438474.5	70759.0	205180.4	2487326.6	215149.1
Jamalo-Nenetsky autonomous okrug	Coniferous	510931.8	82233.8	84794.3	35491.3	208543.0	35227.1	98715.4	973702.9	85523.0
Jamalo-Nenetsky autonomous okrug	Pine	126555.6	16679.9	18090.6	14033.2	27767.4	7091.1	45011.0	238548.8	34160.4
Jamalo-Nenetsky autonomous okrug	Spruce	60600.9	10013.2	12166.6	6151.1	38997.1	7295.3	10683.7	135894.8	12608.5
Jamalo-Nenetsky autonomous okrug	Fir	61.5	7.5	14.7	7.8	17.0	4.0	5.6	110.7	11.2
Jamalo-Nenetsky autonomous okrug	Larch	228797.8	43536.7	35083.4	7156.3	113974.7	10564.1	28922.3	424498.6	21887.7
Jamalo-Nenetsky autonomous okrug	Cedar	94916.0	11996.5	19439.0	8142.8	27786.9	10272.6	14092.8	174650.1	16855.1
Jamalo-Nenetsky autonomous okrug	Soft deciduous	45358.2	8332.1	10371.3	2375.6	21026.4	4673.7	8111.4	91916.5	7019.3
Jamalo-Nenetsky autonomous okrug	Birch	44022.7	8067.1	10007.2	2308.2	20527.7	4567.4	7910.9	89344.0	6839.9
Jamalo-Nenetsky autonomous okrug	Aspen	1005.2	182.5	268.9	36.4	346.8	77.8	113.4	1848.6	105.1
Jamalo-Nenetsky autonomous okrug	Shrubs	0.0	0.0	5790.3	2571.9	4504.3	0.0	4353.6	17220.0	4313.3
Jamalo-Nenetsky autonomous okrug	Total	556290.0	90565.9	100955.9	40438.8	234073.7	39900.7	111180.4	1082839.5	96855.6
Republic Altai	Coniferous	295393.7	42106.0	44191.6	17027.1	95630.2	7078.8	9594.2	468915.7	22983.9
Republic Altai	Pine	4948.2	583.9	607.2	443.9	888.3	106.9	506.1	7500.6	678.3
Republic Altai	Spruce	6205.5	910.1	1062.8	574.1	3538.4	179.4	226.6	11786.7	718.4
Republic Altai	Fir	27794.0	3529.1	4811.2	2931.3	5524.5	689.0	836.1	42586.1	3472.0
Republic Altai	Larch	121189.3	20625.8	15039.5	3172.5	48438.2	2699.3	4164.6	194703.3	5646.4
Republic Altai	Cedar	135256.7	16457.1	22671.0	9905.3	37240.9	3404.3	3860.8	212339.0	12468.7
Republic Altai	Hard deciduous	0.4	0.0	0.1	0.0	0.2	0.0	0.0	0.7	0.0
Republic Altai	Oak	0.4	0.0	0.1	0.0	0.2	0.0	0.0	0.7	0.0
Republic Altai	Soft deciduous	49866.2	7588.8	10530.7	2101.2	15280.1	1697.6	3009.4	82485.1	3813.2
Republic Altai	Birch	36389.4	5640.4	7757.7	1622.4	10716.0	1284.1	2234.0	60003.6	2900.4
Republic Altai	Aspen	13298.0	1917.3	2734.5	468.0	4492.8	408.2	758.6	22160.1	893.6
Republic Altai	Shrubs	0.0	0.0	2045.3	908.5	1591.1	0.0	1239.2	5784.1	1404.2
Republic Altai	Total	345260.3	49694.9	56767.7	20036.8	112501.6	8776.4	13842.8	557185.6	28201.2
Republic Burjatia	Coniferous	956160.8	156654.2	152992.1	54314.2	383866.1	30879.7	81515.0	1659727.9	96164.3
Republic Burjatia	Pine	166012.7	20666.4	24698.8	17638.3	46801.8	3539.7	20846.4	279537.7	27036.5
Republic Burjatia	Spruce	10088.8	1538.7	1809.2	942.6	5968.6	645.4	794.2	20248.8	1453.5
Republic Burjatia	Fir	23688.0	3087.9	4741.9	2812.5	5624.9	739.3	913.0	38519.6	3399.0
Republic Burjatia	Larch	594551.8	110735.2	92192.9	19637.1	279223.9	18680.7	50070.3	1054356.8	45257.5
Republic Burjatia	Cedar	161819.3	20626.1	29549.1	13283.8	46246.8	7274.6	8891.0	267064.6	19017.9
Republic Burjatia	Hard deciduous	164.1	23.9	57.3	9.7	120.9	13.1	24.7	389.7	23.5
Republic Burjatia	Soft deciduous	72153.2	13982.9	16248.2	3959.7	31189.5	3051.3	6834.7	133436.6	7607.0
Republic Burjatia	Birch	46214.4	9003.2	10115.0	2740.1	21039.9	2161.1	4926.9	87197.5	5357.8
Republic Burjatia	Aspen	25248.0	4835.4	5958.0	1177.3	9863.3	870.3	1860.8	44977.8	2182.2
Republic Burjatia	Shrubs	10843.9	0.0	29575.9	26393.6	47103.4	0.0	18489.3	132405.9	33789.3

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Republic Burjatia	Total	1039322.0	170661.1	198873.4	84677.2	462279.8	33944.1	106863.6	1925960.1	137584.1
Republic Tyva	Coniferous	527641.2	82120.3	82081.3	26785.3	195783.9	19469.2	29960.8	881721.5	44597.9
Republic Tyva	Pine	7538.4	791.8	1615.0	632.7	3351.5	168.2	871.8	14177.7	1031.8
Republic Tyva	Spruce	3636.5	545.8	634.9	336.6	2134.2	196.3	238.4	7176.9	490.7
Republic Tyva	Fir	54.8	7.0	12.0	7.0	14.0	1.7	2.3	91.8	8.4
Republic Tyva	Larch	301976.6	53859.9	41047.0	8711.7	129400.8	6782.8	14100.5	502019.5	16382.4
Republic Tyva	Cedar	214434.8	26915.8	38772.3	17097.3	60883.3	12320.2	14747.7	358255.7	26684.6
Republic Tyva	Soft deciduous	16303.3	2760.6	3530.1	740.4	5653.4	723.5	1215.6	28166.3	1443.2
Republic Tyva	Birch	14557.2	2449.3	3123.5	652.9	4991.4	653.2	1063.9	25042.2	1274.0
Republic Tyva	Aspen	214.3	43.4	50.6	13.9	90.6	7.0	20.3	396.7	24.1
Republic Tyva	Shrubs	0.0	0.0	1929.9	857.2	1501.3	0.0	1108.4	5396.8	1300.6
Republic Tyva	Total	543944.5	84881.0	87541.2	28382.9	202938.5	20192.7	32284.8	915284.6	47341.7
Khakass Republic	Coniferous	168056.0	22241.3	27758.8	12225.6	50784.6	4546.2	6557.3	269928.6	16209.5
Khakass Republic	Pine	14128.5	1616.3	2785.0	1470.8	5583.7	245.4	1350.4	25563.9	2084.4
Khakass Republic	Spruce	2411.1	346.9	406.4	226.3	1357.8	80.1	98.5	4580.2	289.7
Khakass Republic	Fir	33158.8	4265.1	6408.0	3746.0	7387.4	1005.8	1256.6	52962.7	4549.7
Khakass Republic	Larch	31159.0	5355.0	4596.7	1028.0	12795.6	521.0	1024.1	51124.4	1593.6
Khakass Republic	Cedar	87198.6	10658.1	13562.8	5754.5	23660.0	2693.9	2827.6	135697.4	7692.0
Khakass Republic	Hard deciduous	2.8	0.4	1.1	0.3	2.9	0.1	0.5	7.7	0.5
Khakass Republic	Soft deciduous	44195.6	7649.5	9537.7	2170.9	15955.2	1721.2	3368.9	76949.5	4033.7
Khakass Republic	Birch	39267.6	6805.5	8440.4	1958.2	14126.5	1555.7	3037.0	68385.4	3638.7
Khakass Republic	Aspen	4702.3	801.5	1055.3	199.8	1743.5	154.1	307.6	8162.7	369.0
Khakass Republic	Other species	0.4	0.4	0.4	0.1	0.6	0.4	0.3	2.1	0.3
Khakass Republic	Shrubs	0.0	0.0	336.4	149.4	261.7	0.0	45.6	793.1	167.6
Khakass Republic	Total	212254.8	29891.6	37634.4	14546.3	67005.1	6267.8	9972.6	347681.0	20411.7
Altai kray	Coniferous	143179.2	13330.5	20025.4	8549.1	43999.3	2329.1	3502.4	221584.6	10647.3
Altai kray	Pine	106427.2	8221.5	14187.4	5570.8	33775.6	1448.5	2346.7	163756.2	6943.1
Altai kray	Spruce	1598.4	224.7	292.1	188.2	894.6	38.4	56.0	3067.7	222.1
Altai kray	Fir	20140.3	2594.0	3423.7	2169.8	3959.0	537.6	667.4	30897.8	2597.7
Altai kray	Larch	10378.1	1741.8	1373.7	299.2	4118.2	184.7	298.6	16652.6	473.9
Altai kray	Cedar	4635.2	548.6	748.5	321.0	1252.0	119.8	133.7	7210.2	410.3
Altai kray	Hard deciduous	65.5	9.1	21.2	4.4	50.7	3.0	7.8	152.6	8.4
Altai kray	Oak	1.6	0.2	0.6	0.1	1.4	0.0	0.1	3.9	0.1
Altai kray	Soft deciduous	95595.7	15476.7	19548.7	4011.5	32425.4	2787.4	5565.3	159934.0	7072.1
Altai kray	Birch	50594.9	8678.6	10506.8	2311.3	16359.4	1491.5	2912.8	84176.8	3922.9
Altai kray	Aspen	43891.7	6576.3	8783.7	1627.9	15591.1	1272.6	2581.3	73748.3	3041.4
Altai kray	Other species	19.8	4.1	4.6	1.9	9.8	1.1	3.0	40.1	3.4

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Altai kray	Shrubs	0.0	0.0	890.5	395.6	692.7	0.0	374.7	2353.5	545.5
Altai kray	Total	238860.2	28820.4	40490.4	12962.5	77178.1	5120.6	9453.1	384064.9	18276.6
Krasnoyarsk kray	Coniferous	2792440.7	360120.2	441034.7	184033.1	980394.1	105113.1	189988.5	4693004.2	291495.2
Krasnoyarsk kray	Pine	754157.2	73011.1	118537.0	46504.1	270364.2	16606.9	80383.2	1286552.6	83628.8
Krasnoyarsk kray	Spruce	337087.2	49913.9	56364.4	29879.5	195447.1	24579.5	29153.8	672511.5	48899.1
Krasnoyarsk kray	Fir	405276.3	51587.8	79117.6	44560.7	92315.2	13171.9	15622.8	650064.5	54753.0
Krasnoyarsk kray	Larch	553024.4	93691.1	66209.3	13637.9	218287.2	16766.6	26329.4	894254.8	29188.9
Krasnoyarsk kray	Cedar	742895.7	91916.2	120806.4	49450.9	203980.5	33988.1	38499.2	1189620.7	75025.3
Krasnoyarsk kray	Hard deciduous	0.7	0.1	0.2	0.1	0.6	0.0	0.0	1.5	0.1
Krasnoyarsk kray	Soft deciduous	777361.3	130376.3	165835.9	32807.2	271467.9	36443.3	57471.3	1341386.9	66705.4
Krasnoyarsk kray	Birch	604953.2	103207.7	129154.1	27077.6	211284.1	30590.6	47873.0	1050932.6	55384.4
Krasnoyarsk kray	Aspen	171778.9	26997.4	36514.3	5641.4	59853.2	5839.0	9527.4	289154.1	11200.3
Krasnoyarsk kray	Other species	19.6	19.5	19.5	6.1	37.5	19.5	41.0	143.1	28.3
Krasnoyarsk kray	Shrubs	0.0	0.0	5229.2	2322.7	4067.8	0.0	3066.5	14686.2	3549.3
Krasnoyarsk kray	Total	3569822.3	490516.1	612119.5	219169.2	1255967.9	141575.9	250567.2	6049222.0	361778.2
Irkutsk oblast	Coniferous	3623943.0	490558.9	518230.3	198202.0	1254443.5	87176.7	191740.2	5873735.7	300995.3
Irkutsk oblast	Pine	1147567.5	114847.9	168173.6	77483.5	363314.1	21287.9	98992.7	1876819.4	123453.3
Irkutsk oblast	Spruce	201394.5	28312.1	32427.8	17731.8	108293.3	7658.2	8484.2	375989.9	23418.0
Irkutsk oblast	Fir	125726.9	16057.5	23021.5	13236.6	27259.2	3301.1	3716.6	196261.8	15711.5
Irkutsk oblast	Larch	1404756.2	238087.1	175409.8	37791.3	550294.0	32852.3	56802.1	2257905.7	70346.8
Irkutsk oblast	Cedar	744497.7	93254.2	119197.7	51958.8	205282.9	22077.1	23744.5	1166758.9	68065.6
Irkutsk oblast	Soft deciduous	533913.7	94177.4	111850.4	22470.7	191243.7	19477.1	35987.8	914943.4	42696.5
Irkutsk oblast	Birch	382643.9	68636.7	79293.1	17175.0	136731.6	14717.0	27057.6	657618.1	32403.7
Irkutsk oblast	Aspen	150706.7	25406.0	32418.0	5242.5	54248.5	4745.5	8874.8	256236.0	10213.0
Irkutsk oblast	Other species	15.1	15.1	15.1	2.7	23.7	15.1	3.9	75.6	8.8
Irkutsk oblast	Shrubs	15056.2	0.0	26858.0	30335.9	54349.4	0.0	20635.5	147235.0	38590.1
Irkutsk oblast	Total	4172928.1	584751.5	656953.9	251011.3	1500060.3	106668.9	248367.3	6935989.8	382290.6
Kemerovo oblast	Coniferous	174798.3	22275.4	31322.1	18534.6	41799.1	4749.5	6582.0	277785.5	22589.2
Kemerovo oblast	Pine	7830.4	798.0	1321.9	719.7	2790.6	116.9	409.0	13188.5	918.3
Kemerovo oblast	Spruce	5180.8	704.5	934.9	624.9	2808.8	117.8	168.0	9835.2	727.4
Kemerovo oblast	Fir	127751.2	16704.1	23915.6	15017.9	27025.1	3664.6	5068.5	202442.9	18142.3
Kemerovo oblast	Larch	434.8	74.8	65.1	15.4	173.1	6.5	17.0	711.9	24.1
Kemerovo oblast	Cedar	33601.1	3994.0	5084.6	2156.7	9001.4	843.8	919.5	51607.0	2777.1
Kemerovo oblast	Hard deciduous	7.6	1.0	2.2	0.5	6.2	0.2	0.8	17.5	0.9
Kemerovo oblast	Soft deciduous	131227.4	21802.6	28316.5	6330.8	46832.2	4322.4	8898.3	225927.6	11184.1
Kemerovo oblast	Birch	62334.4	10415.5	13373.8	3107.1	21009.9	2306.4	4446.1	106577.6	5576.0
Kemerovo oblast	Aspen	67275.8	11086.5	14514.2	3068.0	24914.0	1989.2	4357.8	116119.0	5406.6

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Kemerovo oblast	Other species	3.3	0.8	0.9	0.6	1.9	0.1	0.4	7.2	0.8
Kemerovo oblast	Shrubs	0.0	0.0	208.8	92.8	162.5	0.0	49.5	513.6	112.6
Kemerovo oblast	Total	306036.7	44079.7	59850.5	24959.2	88801.9	9072.2	15531.1	504251.5	33887.5
Novosibirsk oblast	Coniferous	88667.1	8748.1	14999.5	6868.2	34678.0	2461.6	10740.8	158415.2	11901.4
Novosibirsk oblast	Pine	74592.2	6836.2	12532.1	5578.4	30301.4	1955.7	10101.4	135061.3	10204.4
Novosibirsk oblast	Spruce	2661.3	412.7	510.1	263.4	1565.2	118.3	157.3	5275.7	361.7
Novosibirsk oblast	Fir	4765.2	624.9	741.7	493.7	855.4	88.5	106.5	7051.0	562.8
Novosibirsk oblast	Larch	411.9	67.6	55.7	12.7	156.4	6.9	11.7	655.1	19.4
Novosibirsk oblast	Cedar	6236.5	806.6	1160.0	519.9	1799.6	292.2	363.9	10372.0	752.9
Novosibirsk oblast	Hard deciduous	25.5	3.5	7.0	1.3	15.7	4.1	6.6	60.3	5.2
Novosibirsk oblast	Oak	1.5	0.3	0.4	0.1	1.1	0.1	0.1	3.2	0.2
Novosibirsk oblast	Soft deciduous	168155.4	28243.6	35737.3	7630.4	57332.7	6707.2	12220.7	287783.6	14526.5
Novosibirsk oblast	Birch	139810.3	23553.8	29667.3	6391.4	46768.0	5839.7	10393.8	238870.4	12297.1
Novosibirsk oblast	Aspen	27826.7	4598.8	5959.2	1213.0	10357.7	855.9	1796.5	48008.9	2187.8
Novosibirsk oblast	Other species	4.8	1.1	1.3	0.8	2.7	0.3	0.9	10.6	1.2
Novosibirsk oblast	Shrubs	0.0	0.0	338.0	150.1	262.9	0.0	157.8	908.8	213.2
Novosibirsk oblast	Total	256852.8	36996.4	51083.0	14650.8	92292.0	9173.1	23126.7	447178.5	26647.5
Omsk oblast	Coniferous	80222.2	9666.4	15606.6	7431.5	33301.7	2787.2	10233.4	149582.5	12359.2
Omsk oblast	Pine	46288.8	5092.1	8994.9	4216.8	21354.0	1454.8	8534.9	90844.1	8066.3
Omsk oblast	Spruce	7513.0	1178.4	1507.2	787.1	4464.7	292.5	402.4	14966.9	1035.6
Omsk oblast	Fir	6392.1	819.1	1464.1	836.0	1708.2	212.1	300.9	10913.4	1019.9
Omsk oblast	Larch	269.7	47.4	42.8	10.0	112.8	3.3	8.3	446.8	14.3
Omsk oblast	Cedar	19758.6	2529.5	3597.6	1581.6	5661.9	824.5	987.0	32411.3	2223.2
Omsk oblast	Hard deciduous	17.0	2.2	3.8	0.7	8.0	2.1	2.3	33.9	2.2
Omsk oblast	Oak	0.8	0.1	0.2	0.1	0.6	0.0	0.1	1.8	0.1
Omsk oblast	Soft deciduous	222496.9	35223.6	45056.4	7809.3	64495.1	6704.3	9817.5	356379.4	13743.3
Omsk oblast	Birch	185751.5	29541.2	37588.9	6592.9	51468.9	5675.7	8099.6	295177.5	11531.8
Omsk oblast	Aspen	36018.8	5572.1	7264.5	1172.0	12573.9	1015.0	1684.1	59728.3	2149.5
Omsk oblast	Other species	1.5	0.3	0.4	0.2	0.8	0.1	0.3	3.2	0.3
Omsk oblast	Shrubs	0.0	0.0	33.9	15.1	26.4	0.0	16.3	91.7	21.6
Omsk oblast	Total	302737.5	44892.5	60701.1	15256.7	97832.0	9493.7	20069.8	506090.8	26126.7
Tomsk oblast	Coniferous	720237.0	85569.3	132841.2	58020.6	255556.0	26358.5	71962.3	1264975.7	94696.2
Tomsk oblast	Pine	297981.1	32056.4	58484.9	25259.0	128999.3	9231.7	51472.1	571428.1	48611.4
Tomsk oblast	Spruce	31730.5	4813.0	5666.7	3010.5	18738.0	1291.1	1627.0	62063.8	4047.8
Tomsk oblast	Fir	43681.2	5580.8	9306.7	5263.8	10699.3	1341.5	1805.6	72098.1	6387.6
Tomsk oblast	Larch	675.6	115.7	83.6	17.6	270.0	17.7	28.7	1093.3	34.4
Tomsk oblast	Cedar	346168.7	43003.4	59299.3	24469.6	96849.4	14476.4	17029.0	558292.4	35614.9

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Tomsk oblast	Soft deciduous	598612.8	93493.7	124440.1	20838.9	177858.1	22356.0	31015.7	975121.6	39937.7
Tomsk oblast	Birch	474879.8	74752.2	98461.9	17472.3	136458.9	17997.7	24790.3	770060.8	32776.2
Tomsk oblast	Aspen	123213.9	18638.9	25858.1	3335.6	41180.0	4336.0	6159.2	204082.8	7097.3
Tomsk oblast	Shrubs	0.0	0.0	78.4	34.8	61.0	0.0	33.7	208.0	48.3
Tomsk oblast	Total	1318849.8	179063.0	257359.8	78894.3	433475.1	48714.5	103011.8	2240305.3	134682.2
Chita oblast	Coniferous	1129872.0	192151.0	171065.3	49622.7	466259.3	33678.7	84397.7	1934895.8	93463.8
Chita oblast	Pine	116562.5	14626.6	15294.0	11864.7	25004.0	3169.8	16992.9	188887.8	19610.8
Chita oblast	Spruce	657.7	102.4	124.8	66.3	400.5	37.7	51.2	1338.2	98.1
Chita oblast	Fir	397.4	50.4	77.9	44.9	90.5	11.6	14.5	636.8	54.2
Chita oblast	Larch	914655.9	164985.5	138218.1	29609.0	413039.5	27364.1	63739.8	1586626.4	63296.6
Chita oblast	Cedar	97598.5	12386.1	17350.5	8037.8	27724.8	3095.5	3599.3	157406.5	10404.2
Chita oblast	Hard deciduous	4.7	0.7	1.9	0.4	5.0	0.4	2.0	14.4	1.3
Chita oblast	Soft deciduous	163285.5	32355.2	36283.5	10185.2	73932.1	7661.3	18735.5	310083.3	19972.9
Chita oblast	Birch	150928.0	29552.2	33170.4	9188.2	68345.5	7218.9	17195.9	286047.0	18227.6
Chita oblast	Aspen	12180.0	2763.8	3074.0	982.3	5513.1	434.8	1510.2	23694.3	1716.5
Chita oblast	Other species	2.5	0.7	0.7	0.7	2.2	0.1	1.2	7.3	1.2
Chita oblast	Shrubs	8055.4	0.0	28022.4	22294.6	39698.6	0.0	17703.1	115774.2	29375.8
Chita oblast	Total	1301220.1	224507.6	235373.9	82103.6	579897.2	41340.6	120839.6	2360775.0	142815.2
Aginsky Burjatsky autonomous okrug	Coniferous	20393.9	3390.4	2551.2	709.9	7617.3	429.2	951.2	32652.8	1218.9
Aginsky Burjatsky autonomous okrug	Pine	2180.6	269.1	264.6	205.5	447.1	53.0	290.0	3440.8	337.4
Aginsky Burjatsky autonomous okrug	Larch	18069.0	3103.0	2262.5	493.2	7130.4	372.3	657.4	28984.7	867.6
Aginsky Burjatsky autonomous okrug	Cedar	144.4	18.3	24.1	11.3	39.9	3.8	3.9	227.3	14.0
Aginsky Burjatsky autonomous okrug	Soft deciduous	8596.3	1574.8	1865.5	443.3	3333.9	381.5	763.8	15384.4	863.0
Aginsky Burjatsky autonomous okrug	Birch	7855.1	1414.6	1686.0	391.5	3007.2	358.0	680.3	13978.0	770.8
Aginsky Burjatsky autonomous okrug	Aspen	741.2	160.2	179.5	51.9	326.7	23.5	83.5	1406.4	92.3
Aginsky Burjatsky autonomous okrug	Shrubs	0.0	0.0	96.5	42.8	75.0	0.0	35.6	250.0	57.0
Aginsky Burjatsky autonomous okrug	Total	28990.2	4965.2	4513.1	1196.1	11026.3	810.7	1750.7	48287.1	2139.1
Taimir autonomous okrug	Coniferous	46648.4	8922.0	7504.0	1805.0	25301.3	5197.3	12777.9	99234.0	8472.0
Taimir autonomous okrug	Spruce	5525.0	930.0	1101.7	559.2	3661.9	994.7	1395.5	13238.0	1415.2
Taimir autonomous okrug	Larch	41123.5	7992.0	6402.4	1245.8	21639.4	4202.5	11382.4	85995.9	7056.8
Taimir autonomous okrug	Soft deciduous	778.7	130.9	192.0	48.7	383.3	169.2	278.0	1849.9	210.6
Taimir autonomous okrug	Birch	778.7	130.9	192.0	48.7	383.3	169.2	278.0	1849.9	210.6
Taimir autonomous okrug	Shrubs	0.0	0.0	4101.7	1821.9	3190.7	0.0	7413.4	16527.7	4787.3
Taimir autonomous okrug	Total	47427.1	9052.9	11797.7	3675.6	28875.4	5366.4	20469.3	117611.6	13469.8
Ust-Ordynsky Burjatsky autonomous okrug	Coniferous	52300.0	6020.7	7173.3	2487.9	18126.7	1052.3	2060.9	83201.2	3627.3
Ust-Ordynsky Burjatsky autonomous okrug	Pine	31508.2	2739.5	4636.7	1827.8	10314.3	537.5	1462.6	50287.0	2573.7
Ust-Ordynsky Burjatsky autonomous okrug	Spruce	1372.5	188.6	218.0	123.7	730.5	45.4	52.7	2542.7	158.4

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Ust-Ordynsky Burjatsky autonomous okrug	Fir	80.8	10.7	15.0	9.0	17.2	1.9	2.4	126.3	10.5
Ust-Ordynsky Burjatsky autonomous okrug	Larch	18380.8	2964.4	2150.1	454.3	6802.4	446.0	519.5	28753.1	795.6
Ust-Ordynsky Burjatsky autonomous okrug	Cedar	957.8	117.5	153.5	73.1	262.4	21.5	23.8	1492.0	89.1
Ust-Ordynsky Burjatsky autonomous okrug	Soft deciduous	26598.7	4570.7	5641.1	1189.1	9199.4	964.8	1781.4	45374.5	2190.5
Ust-Ordynsky Burjatsky autonomous okrug	Birch	22277.1	3839.0	4691.3	1021.0	7621.8	826.6	1529.1	37966.9	1880.1
Ust-Ordynsky Burjatsky autonomous okrug	Aspen	4321.0	731.6	949.7	168.0	1577.3	138.2	252.2	7406.4	310.3
Ust-Ordynsky Burjatsky autonomous okrug	Shrubs	0.0	0.0	198.3	88.1	154.3	0.0	83.3	524.0	121.4
Ust-Ordynsky Burjatsky autonomous okrug	Total	78898.7	10591.4	13012.7	3765.1	27480.4	2017.1	3925.6	129099.7	5939.2
Evenkia autonomous okrug	Coniferous	1878513.7	315899.0	249148.1	68420.3	745231.2	85684.3	187013.6	3214011.1	168876.2
Evenkia autonomous okrug	Pine	202163.3	23509.9	24034.1	15496.1	43563.8	5524.9	29300.5	320082.7	28870.2
Evenkia autonomous okrug	Spruce	43765.5	6544.8	7412.5	3846.9	25408.7	5132.9	5822.0	91388.5	7712.3
Evenkia autonomous okrug	Fir	1111.1	139.0	228.0	122.8	273.8	61.8	71.1	1868.7	169.7
Evenkia autonomous okrug	Larch	1505030.3	269521.1	197462.5	41187.2	640708.0	67589.2	143575.6	2595552.8	118850.9
Evenkia autonomous okrug	Cedar	126443.5	16184.1	20011.1	7767.3	35276.9	7375.4	8244.4	205118.5	13273.0
Evenkia autonomous okrug	Soft deciduous	88409.8	16450.5	19568.4	4203.1	38820.9	8337.5	12932.2	172272.0	11871.9
Evenkia autonomous okrug	Birch	84853.5	15809.6	18688.5	4083.5	37561.4	8089.6	12575.0	165851.5	11535.2
Evenkia autonomous okrug	Aspen	3556.4	640.9	880.0	119.6	1259.5	248.0	357.1	6420.5	336.7
Evenkia autonomous okrug	Shrubs	1.1	0.0	10671.1	4741.3	8303.6	0.0	24784.0	48501.0	14654.9
Evenkia autonomous okrug	Total	1966924.6	332349.5	279387.7	77364.7	792355.7	94021.8	224729.7	3434784.2	195402.9
Republic Sakha (Jakutia)	Coniferous	4389623.5	785573.5	655589.4	169130.1	1924283.8	193203.7	588903.1	7920733.5	462528.8
Republic Sakha (Jakutia)	Pine	411230.4	50984.3	53900.5	39015.6	87809.8	14874.7	84809.1	691640.1	77392.1
Republic Sakha (Jakutia)	Spruce	20256.2	3100.4	3607.3	1907.7	12278.4	1507.6	1872.4	41429.6	3108.0
Republic Sakha (Jakutia)	Fir	1510.2	192.2	304.3	176.3	361.4	53.5	66.1	2471.8	218.8
Republic Sakha (Jakutia)	Larch	3922761.5	726946.9	591763.6	125325.1	1814170.7	175339.1	500485.6	7129845.6	378008.9
Republic Sakha (Jakutia)	Cedar	33865.1	4349.8	6013.7	2705.4	9663.6	1428.7	1669.9	55346.4	3801.1
Republic Sakha (Jakutia)	Soft deciduous	44786.1	9524.8	10524.4	3427.0	23974.9	2777.0	7415.9	92905.4	7224.7
Republic Sakha (Jakutia)	Birch	36901.1	7892.3	8476.8	2955.2	20828.2	2467.5	6755.3	78384.1	6396.0
Republic Sakha (Jakutia)	Aspen	5139.9	1000.4	1276.7	217.2	1967.6	220.7	385.1	9207.2	437.3
Republic Sakha (Jakutia)	Shrubs	25739.8	0.0	109537.7	80121.3	142406.5	0.0	107871.4	465676.7	123269.9
Republic Sakha (Jakutia)	Total	4460149.4	795098.3	775651.5	252678.4	2090665.1	195980.7	704190.4	8479315.6	593023.3
Primorsky Krai	Coniferous	573024.9	80837.7	92281.0	41136.5	230678.9	16867.0	20776.9	974765.2	54496.6
Primorsky Krai	Pine	125.3	14.3	23.1	12.7	48.3	3.4	14.0	226.9	19.3
Primorsky Krai	Spruce	211129.1	30738.0	34796.4	18428.2	118267.4	7101.4	8189.5	397912.1	23829.9
Primorsky Krai	Fir	27233.5	3519.2	5326.9	3257.8	6205.2	858.6	1134.2	44016.3	3968.5
Primorsky Krai	Larch	116436.4	20036.5	15304.9	3389.0	46333.4	1931.1	3617.1	187011.9	5413.9
Primorsky Krai	Cedar	218100.5	26529.6	36829.8	16048.7	59824.5	6972.5	7822.1	345598.0	21264.8
Primorsky Krai	Hard deciduous	243645.3	34813.2	65975.7	10921.2	140966.0	13642.8	17772.3	492923.3	22114.2

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Primorsky Kray	Oak	139736.6	20406.2	38751.2	6613.8	83903.7	8372.5	11232.7	288610.5	13613.3
Primorsky Kray	Soft deciduous	130361.6	21471.8	30489.2	6307.0	57963.5	4413.4	8303.9	237838.7	10949.8
Primorsky Kray	Birch	70407.7	12575.6	14978.9	3392.5	26072.2	2522.5	4848.9	122222.6	6087.2
Primorsky Kray	Aspen	11642.3	1977.0	2653.2	504.3	4271.3	433.6	866.8	20371.5	980.8
Primorsky Kray	Other species	367.4	71.5	138.3	34.4	360.9	29.6	22.7	953.3	52.3
Primorsky Kray	Shrubs	456.9	0.0	458.1	762.1	1371.7	0.0	246.1	3294.9	860.5
Primorsky Kray	Total	947856.3	137194.1	189342.4	59161.2	431341.0	34952.7	47121.8	1709775.4	88473.4
Khabarovsk Kray	Coniferous	2113262.7	351991.3	313961.2	101073.1	957859.6	74999.5	144626.2	3705782.3	181375.4
Khabarovsk Kray	Pine	46817.6	5571.9	6038.6	4049.9	9696.1	1898.2	9993.4	78493.9	8615.5
Khabarovsk Kray	Spruce	511541.6	74397.3	83570.6	45015.6	291656.9	22181.7	25146.2	979112.6	61714.4
Khabarovsk Kray	Fir	29658.3	3876.2	6071.7	3654.3	6969.4	1008.5	1424.8	48786.9	4526.1
Khabarovsk Kray	Larch	1478297.7	262452.6	210593.9	45116.5	636720.3	48237.7	106199.5	2525165.6	102036.7
Khabarovsk Kray	Cedar	46947.5	5693.3	7686.3	3236.9	12817.0	1673.4	1862.2	74223.3	4482.7
Khabarovsk Kray	Hard deciduous	105056.4	14748.8	27770.3	4311.6	57886.3	6268.7	8038.3	209331.7	9403.5
Khabarovsk Kray	Oak	20573.5	2990.2	5583.7	872.8	11645.0	1584.5	1936.0	42195.4	2121.5
Khabarovsk Kray	Soft deciduous	210397.5	37766.8	48540.1	13084.0	91756.2	8303.1	20609.1	392689.9	23813.3
Khabarovsk Kray	Birch	127782.2	23622.5	28321.6	8349.2	53172.1	5658.4	14714.7	237998.2	15929.0
Khabarovsk Kray	Aspen	25031.8	4476.3	5780.1	1429.7	9571.7	985.3	2472.6	45271.2	2713.7
Khabarovsk Kray	Other species	156.7	39.1	62.4	17.2	149.8	24.1	34.8	445.0	38.3
Khabarovsk Kray	Shrubs	33424.2	0.0	70930.5	72366.7	129449.1	0.0	32265.2	338435.7	85272.8
Khabarovsk Kray	Total	2462297.6	404546.1	461264.4	190852.5	1237101.0	89595.4	205573.6	4646684.6	299903.2
Amur oblast	Coniferous	832078.6	144933.4	122107.5	29759.7	368062.0	27065.2	56866.1	1435939.2	60608.4
Amur oblast	Pine	22413.8	2819.2	4361.3	2865.5	7483.7	655.6	3834.0	41613.9	4595.4
Amur oblast	Spruce	31599.2	4699.9	5284.2	2879.9	18774.5	1319.6	1652.6	61510.0	3936.0
Amur oblast	Fir	2979.9	385.2	593.4	363.2	675.6	82.1	114.6	4808.8	433.6
Amur oblast	Larch	774439.1	136953.9	111767.6	23612.3	340955.3	24981.8	51235.2	1326991.3	51584.9
Amur oblast	Cedar	646.6	75.2	101.0	38.9	172.9	26.2	29.7	1015.2	58.6
Amur oblast	Hard deciduous	10647.4	2343.2	3999.0	1181.8	14129.3	837.7	2148.9	32944.2	2292.1
Amur oblast	Oak	7333.3	1867.9	2920.2	994.0	11789.3	635.2	1788.2	25460.2	1899.4
Amur oblast	Soft deciduous	202285.2	37175.7	44604.4	11948.8	83528.1	8978.0	20619.2	371963.8	22884.1
Amur oblast	Birch	189117.0	34881.5	41524.8	11259.1	77965.5	8578.2	19710.7	348155.1	21711.3
Amur oblast	Aspen	8302.1	1456.4	1889.6	404.5	3144.0	286.0	647.5	14673.7	749.1
Amur oblast	Other species	5.6	1.6	3.1	0.9	9.2	0.8	1.1	20.8	1.6
Amur oblast	Shrubs	7819.6	0.0	11590.9	14707.8	26392.4	0.0	11052.5	71563.2	19128.8
Amur oblast	Total	1052836.5	184453.8	182304.9	57599.0	492121.1	36881.8	90687.8	1912431.1	104915.1
Kamchatka oblast	Coniferous	54101.4	8792.8	7405.4	2413.9	24574.4	2018.8	2719.4	93233.2	4106.0
Kamchatka oblast	Pine	248.5	38.7	32.1	44.5	49.4	6.8	52.7	434.0	67.6

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Kamchatka oblast	Spruce	15544.4	2227.5	2449.2	1356.7	8978.6	745.0	827.9	29901.8	1910.9
Kamchatka oblast	Fir	1.3	0.2	0.3	0.2	0.3	0.0	0.0	2.1	0.2
Kamchatka oblast	Larch	38307.2	6526.4	4923.7	1012.6	15546.1	1267.0	1838.7	62895.2	2127.4
Kamchatka oblast	Cedar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Kamchatka oblast	Hard deciduous	224170.7	33563.0	66636.3	8848.9	123338.8	26267.6	27564.2	476826.5	27738.0
Kamchatka oblast	Soft deciduous	39295.7	7109.8	8501.9	2280.1	14725.8	2460.5	4401.7	71665.8	4777.4
Kamchatka oblast	Birch	24346.6	3939.3	5473.9	1182.9	8797.6	1795.3	2781.7	44378.0	2833.0
Kamchatka oblast	Aspen	1015.2	165.9	241.9	37.4	344.4	49.0	78.3	1766.3	83.4
Kamchatka oblast	Other species	2990.8	2990.8	2990.8	1052.0	7874.3	2990.8	3934.1	21832.9	3521.0
Kamchatka oblast	Shrubs	10897.9	0.0	27714.0	25632.6	45775.0	0.0	13929.6	123949.1	31204.4
Kamchatka oblast	Total	331456.4	52456.5	113248.4	40227.4	216288.4	33737.7	52549.0	787507.3	71346.7
Magadan oblast	Coniferous	153010.6	29773.8	25379.2	5153.2	80813.7	12290.5	40664.3	317311.4	25098.2
Magadan oblast	Pine	0.9	0.2	0.1	0.2	0.2	0.1	0.8	2.4	0.5
Magadan oblast	Spruce	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.6	0.1
Magadan oblast	Larch	153009.4	29773.6	25378.9	5152.8	80813.4	12290.4	40663.5	317308.4	25097.5
Magadan oblast	Hard deciduous	262.2	39.9	99.6	15.7	193.1	24.8	40.6	636.0	39.4
Magadan oblast	Soft deciduous	12423.2	2412.3	3049.2	853.9	4969.4	372.4	934.8	22602.8	1339.3
Magadan oblast	Birch	258.0	43.7	56.9	13.2	96.5	29.3	50.1	503.9	42.0
Magadan oblast	Aspen	0.5	0.1	0.1	0.0	0.3	0.0	0.1	1.2	0.0
Magadan oblast	Shrubs	15741.8	0.0	26219.6	30890.5	55376.3	0.0	48659.4	176887.6	50354.3
Magadan oblast	Total	181437.9	32225.9	54747.6	36913.3	141352.5	12687.7	90299.0	517437.9	76831.1
Sakhalinskaja oblast	Coniferous	236494.8	36570.7	41886.5	19252.9	102444.1	7918.7	13332.0	421328.9	26956.2
Sakhalinskaja oblast	Pine	1269.9	196.5	285.5	291.7	540.0	30.2	248.0	2665.2	399.9
Sakhalinskaja oblast	Spruce	80296.6	11802.7	13771.4	7563.3	46645.5	3691.9	4357.0	156325.6	10411.3
Sakhalinskaja oblast	Fir	68806.1	8968.3	14291.1	8466.9	16681.0	1922.8	2571.7	112739.5	10071.2
Sakhalinskaja oblast	Larch	86120.1	15602.8	13537.9	2930.3	38576.6	2273.7	6155.3	149593.9	6073.1
Sakhalinskaja oblast	Cedar	2.2	0.4	0.8	0.6	1.0	0.0	0.1	4.8	0.6
Sakhalinskaja oblast	Hard deciduous	41340.4	6135.5	13316.5	2221.3	28141.3	4029.7	5752.0	94801.1	5728.4
Sakhalinskaja oblast	Oak	1021.8	233.0	370.8	95.3	1143.0	71.2	122.6	2824.8	165.7
Sakhalinskaja oblast	Soft deciduous	9640.5	1891.6	1976.5	639.2	3880.9	519.0	1251.4	17907.6	1295.1
Sakhalinskaja oblast	Birch	5028.5	895.7	1113.9	284.8	2036.9	294.6	630.7	9389.4	625.3
Sakhalinskaja oblast	Aspen	334.8	68.0	86.8	23.4	135.4	23.2	69.4	673.0	58.1
Sakhalinskaja oblast	Other species	10.7	9.5	9.8	3.1	29.0	9.3	8.2	70.2	9.2
Sakhalinskaja oblast	Shrubs	2564.6	0.0	2588.2	4284.8	7712.2	0.0	1590.9	18740.7	4921.2
Sakhalinskaja oblast	Total	290050.9	44607.4	59777.5	26401.3	142207.4	12476.7	21934.6	552848.5	38910.2
Evreiskaja autonomous oblast	Coniferous	37528.7	5244.7	6275.1	2840.1	14282.1	1117.9	1615.9	63659.8	3821.1
Evreiskaja autonomous oblast	Pine	91.7	13.8	21.7	20.4	37.3	2.7	20.7	194.5	29.5

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

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Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Evreiskaja autonomous oblast	Spruce	9853.9	1434.8	1652.0	925.2	5689.4	311.1	401.9	18833.6	1179.1
Evreiskaja autonomous oblast	Fir	4807.3	629.3	958.2	587.7	1080.5	145.4	207.8	7786.9	714.3
Evreiskaja autonomous oblast	Larch	8662.9	1487.4	1293.4	284.9	3620.3	206.2	460.7	14528.4	530.9
Evreiskaja autonomous oblast	Cedar	14112.8	1679.3	2349.8	1021.9	3854.5	452.6	524.7	22316.4	1367.3
Evreiskaja autonomous oblast	Hard deciduous	22224.4	3382.2	6319.2	1120.9	14554.5	1645.6	2283.8	48148.5	2527.0
Evreiskaja autonomous oblast	Oak	16598.0	2590.0	4753.8	865.5	11211.8	1377.8	1905.0	36711.8	2040.0
Evreiskaja autonomous oblast	Soft deciduous	31562.6	4926.3	7323.1	1586.7	13182.1	1220.0	2419.5	57293.9	2919.7
Evreiskaja autonomous oblast	Birch	16059.7	2710.2	3508.2	892.9	5597.5	660.1	1430.3	28148.6	1662.6
Evreiskaja autonomous oblast	Aspen	5288.5	853.2	1200.9	218.9	1856.1	228.2	436.5	9229.1	461.8
Evreiskaja autonomous oblast	Other species	29.4	4.3	11.3	2.9	33.4	0.5	2.6	80.0	4.1
Evreiskaja autonomous oblast	Total	91345.0	13557.5	19928.7	5550.6	42052.1	3984.0	6321.8	169182.2	9272.0
Korjasky autonomous okrug	Coniferous	10049.2	1927.4	1574.0	317.9	5247.0	937.9	2491.8	20617.7	1595.4
Korjasky autonomous okrug	Larch	10049.2	1927.4	1574.0	317.9	5247.0	937.9	2491.8	20617.7	1595.4
Korjasky autonomous okrug	Hard deciduous	106309.9	15756.9	30787.5	4130.5	56005.9	11046.9	11209.6	219490.2	11921.3
Korjasky autonomous okrug	Soft deciduous	16887.0	3706.0	4390.6	1254.9	7565.5	859.3	2101.8	33059.0	2352.9
Korjasky autonomous okrug	Birch	7399.1	1417.5	1648.3	423.1	3405.4	399.6	843.7	14119.2	880.2
Korjasky autonomous okrug	Shrubs	41276.7	0.0	75117.8	83826.2	150155.5	0.0	35361.0	385737.2	97970.6
Korjasky autonomous okrug	Total	174522.8	21390.3	111869.9	89529.5	218973.8	12844.1	51164.1	658904.2	113840.1
Chukotsky autonomous okrug	Coniferous	25452.6	4999.9	4318.5	871.4	13790.5	2773.7	10207.6	57414.3	5784.8
Chukotsky autonomous okrug	Larch	25452.6	4999.9	4318.5	871.4	13790.5	2773.7	10207.6	57414.3	5784.8
Chukotsky autonomous okrug	Soft deciduous	3968.4	853.6	1009.8	427.2	1734.3	94.0	359.1	7592.8	599.0
Chukotsky autonomous okrug	Birch	8.0	1.3	1.8	0.4	2.9	0.8	1.5	15.4	1.2
Chukotsky autonomous okrug	Shrubs	2683.2	0.0	12312.6	8749.3	15540.5	0.0	16534.4	55819.9	15363.1
Chukotsky autonomous okrug	Total	32104.2	5853.6	17640.9	10047.9	31065.2	2867.7	27101.1	120827.0	21746.8
Russian Federation	Coniferous	29035293.6	4245902.9	4529322.2	1836063.4	11238023.1	1062603.3	2560367.7	50261673.3	3178311.4
Russian Federation	Pine	7196637.9	764307.2	1024587.4	542878.9	2066496.1	168435.0	907409.3	11906444.6	956265.3
Russian Federation	Spruce	4789367.7	663073.3	924678.2	538996.7	2462558.8	251073.6	308494.3	9275169.4	737555.8
Russian Federation	Fir	1054622.9	135326.7	203981.4	117273.4	236448.1	31161.4	38533.5	1682020.7	142015.3
Russian Federation	Larch	12435717.2	2237323.5	1769038.3	374785.9	5476674.1	461420.8	1129912.0	21647548.2	964881.6
Russian Federation	Cedar	3558903.8	445865.5	607025.2	262122.4	995821.3	150504.7	176006.5	5750383.9	377580.1
Russian Federation	Hard deciduous	1269414.1	182661.5	347998.4	57655.7	762268.6	77756.7	98364.9	2613458.3	120278.9
Russian Federation	Oak	464105.3	74790.7	123363.0	27345.5	329644.1	20314.6	32163.1	996935.4	46292.1
Russian Federation	Soft deciduous	8693513.2	1494953.3	1722546.5	386359.4	2993346.3	278621.4	514381.8	14588768.6	675520.2
Russian Federation	Birch	6488329.8	1142401.1	1277907.0	297863.3	2107600.6	222257.0	404916.8	10798874.5	526364.9
Russian Federation	Aspen	1587271.4	260621.7	309400.8	57526.7	581136.2	42186.9	79864.9	2657386.8	102101.7
Russian Federation	Other species	15953.8	4828.1	6038.2	1747.9	15051.2	3320.6	4428.1	46539.7	3513.2
Russian Federation	Shrubs	174561.3		456613.3	416218.3	743094.6		370222.9	2160710.4	564307.5

Phytomass of Russian forested areas by dominant species, fractions and administrative regions, 10³ t dry matter

Administrative units	Species, group of species	Stem	of which bark	Branches	Foliage	Roots	Understory	Green forest floor	Total	of which green parts
Russian Federation	Total	39188736.0	5928345.9	7062518.7	2698044.6	15751783.8	1422302.0	3547765.4	69671150.4	4542931.1