

STATISTICAL RELEASE

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Forestry statistics

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Forests growing and silviculture, 2018

Methodological notes

The report on forests growing and silviculture, including both state and private forests, is issued annually and is based on the data provided by the reporting units of the public enterprise "Srbijasume" and "Vojvodina sume", as well as public enterprises of national parks. Additionally, data are obtained from the working organizations dealing with forestry, regardless of the fact whether it is their main activity or not. This statistical release presents the data on the performed works referring to artificial afforestation, to tending and land reclamation of high forests, offspring forests and other categories of forests, as well as the data related to plantation growing and intensive planting.

Data on artificial afforestation relate to forests' areas (old and recent felling grounds, bare ground) and to areas outside forests (rocky soils, bare grounds, quick sand, eroded and agricultural land). Data on tending and land reclamation of high, offspring and other categories of forests present the works performed in the mentioned forests during a single calendar year. Such works refer to tending of new growth, cleaning, thinning, forests enrichment (conifers and broadleaved), preparation and ground tending, conversion, reconstruction, substitution, resurrection and repair planting. Cleaning presents the measure of removing all the trees that should not remain in the forest, due to any reason, excluding the trees that request further process of thinning. Thinning presents the most important measure for forests tending and its aim is to ensure the development of the best quality trees, in biological and technical sense. Forests enrichment means introducing of conifers and high – quality broadleaved into existing forests, in order to enrich them, i.e. to increase their economic value. Preparation and ground tending refer to works on draining, irrigation, preparation for natural afforestation of stands and similar. Conversion presents converting coppices into high forests, meaning forests transformation from lower to upper growing type. Reconstruction is a reclamation measure: the specified area is cleaned by pure felling, followed by afforestation of such area. Substitution is a reclamation measure, which also means that specified area is cleaned by pure felling, but in this case, the process is followed by afforestation, using the same species of trees as the cut ones. Resurrection is a measure by which scrubs are converted into coppices, being cut into stumps. Repair planting refers to filling of some small – sized empty areas, primarily in degraded forests and scrubs, by the trees species that prevail over that stand.

Data on plantation growing and intensive planting refer to forests with selected plants, which tending period is not long and which have intensive increase. Data on safety areas are also included, and such areas are plantations which main function is protective (protection from wind, floods and drought). Included are only the areas where the selected planting seeds of quick growth have been used. These data exclude treelike paths beside roads, canals, on the boundaries, as well as small groups of trees on the agricultural land.

1. Artificial afforestation – without plantations and intensive planting¹⁾

ha

	Afforested area									
	Total	In forests			Outside forests					
		All	Felling grounds	Clearings	all	Rocky soils and bare grounds	Quick sand	Eroded land	Agricultural land	Other land
2017	1984	1646	1257	389	338	117	-	4	71	146
2018	1547	1153	1006	147	394	257	-	9	52	76
Index 2017 = 100	78	70	80	38	117	220	-	225	73	52
Republic of Serbia	1547	1153	1006	147	394	257	-	9	52	76
Beogradski region	25	15	5	10	10	-	-	-	-	10
Region Vojvodine	507	464	423	41	43	-	-	3	-	40
Region Šumadije i Zapadne Srbije	603	354	308	46	249	183	-	4	36	26
Region Južne i Istočne Srbije	412	320	270	50	92	74	-	2	16	-
Region Kosovo i Metohija	...	...	...	...	...	...	...	...	...	...

¹⁾ Included are state and private forests.

2. Plantations and protective areas growing¹⁾

ha

	Republic of Serbia					
	Total	Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
2017	879	184	643	30	22	...
2018	695	120	538	10	27	...
Index 2017 = 100	79	65	84	33	123	...
Plantations	695	120	538	10	27	...
With agricultural species	30	-	9	-	21	...
Without agricultural species	665	120	529	10	6	...
Protective areas	-	-	-	-	-	...
With agricultural species	-	-	-	-	-	...
Without agricultural species	-	-	-	-	-	...

¹⁾ Included are state and private forests.

3. Artificial afforestation indices, 2017–2018

2017=100

	Republic of Serbia					
	Total	Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
2017	1984	41	988	557	398	...
2018	1547	25	507	603	412	...
Index	78	61	51	108	103	...

4. Silviculture, 2018

	Tending and land reclamation of forests												
	Total	In private ownership forests						In state ownership forests					
		All	Beogra dski region	Region Vojvo- dine	Region Šuma- dije i Zapa- dne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Meto- hija	All	Beogra dski region	Region Vojvo- dine	Region Šuma- dije i Zapa- dne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Meto- hija
High forests tending	3637	32	-	10	22	-	...	3605	50	2599	707	249	...
Tending of new growth	1738	314	-	-	58	256	...	1424	26	198	965	235	...
Cleaning	36611	24045	-	4	22107	1934	...	12566	223	961	7481	3901	...
Thinning	60	59	-	-	-	59	...	1	-	-	-	1	...
Forests enrichment	60	59	-	-	-	59	...	1	-	-	-	1	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	4235	6	-	-	6	-	...	4229	-	4139	59	31	...
Preparation and ground tending	106	1	-	-	-	1	...	105	-	-	14	91	...
Conversion	4	-	-	-	-	-	...	4	-	-	1	3	...
Substitution	365	1	-	-	1	-	...	364	-	-	252	112	...
Reconstruction													
Coppices tending	391	3	-	-	3	-	...	388	-	275	97	16	...
Tending of new growth	420	34	-	2	-	32	...	386	-	329	27	30	...
Cleaning	117200	107884	67	118	11300	96399	...	9316	191	421	4313	4391	...
Thinning	-	-	-	-	-	-	...	-	-	-	-	-	...
Forests enrichment	-	-	-	-	-	-	...	-	-	-	-	-	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	97	-	-	-	-	-	...	97	-	59	38	-	...
Preparation and ground tending	383	28	-	6	22	-	...	355	-	31	54	270	...
Conversion	55	-	-	-	-	-	...	55	-	-	-	55	...
Substitution	264	160	-	-	73	87	...	104	-	13	80	11	...
Reconstruction													
Land reclamation of other categories of forests	24	23	-	-	23	-	...	1	-	-	-	1	...
Tending of new growth	14	12	-	-	12	-	...	2	-	-	-	2	...
Cleaning	1459	1217	-	-	11	1206	...	242	-	-	-	242	...
Thinning	56	56	-	-	-	56	...	-	-	-	-	-	...
Forests enrichment	7	7	-	-	-	7	...	-	-	-	-	-	...
Conifers	49	49	-	-	-	49	...	-	-	-	-	-	...
Broadleaved	-	-	-	-	-	-	...	-	-	-	-	-	...
Conversion	3	-	-	-	-	-	...	3	-	-	-	3	...
Substitution	265	3	-	-	-	3	...	262	-	-	9	253	...
Resurrection	-	-	-	-	-	-	...	-	-	-	-	-	...
Repair planting	3637	32	-	10	22	-	...	3605	50	2599	707	249	...

5. Artificial afforestation, by trees species, 2018

ha

	Artificial afforestation, by trees species, 2018												
	Total	In private ownership forests						In state ownership forests					
		All	Beogra dski region	Region Vojvo- dine	Region Šuma- dije i Zapa- dne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Meto- hija	All	Beogra dski region	Region Vojvo- dine	Region Šuma- dije i Zapa- dne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Meto- hija
Total	1547	93	-	-	61	32	...	1454	25	507	542	380	...
Conifers	694	52	-	-	36	16	...	642	3	16	448	175	...
Spruce	372	36	-	-	25	11	...	336	-	-	223	113	...
Fir	2	1	-	-	1	-	...	1	-	-	1	-	...
Black pine	275	13	-	-	8	5	...	262	-	16	205	41	...
Scots pine	39	2	-	-	2	-	...	37	-	-	16	21	...
Weymouth fir	-	-	-	-	-	-	...	-	-	-	-	-	...
Douglas fir	2	-	-	-	-	-	...	2	-	-	2	-	...
Larch	-	-	-	-	-	-	...	-	-	-	-	-	...
Other conifers	4	-	-	-	-	-	...	4	3	-	1	-	...
Broadleaved	853	41	-	-	25	16	...	812	22	491	94	205	...
Beech	102	-	-	-	-	-	...	102	-	-	25	77	...
Oak	134	1	-	-	1	-	...	133	22	69	8	34	...
Acacia	142	17	-	-	8	9	...	125	-	93	15	17	...
Other hardwood	149	9	-	-	9	-	...	140	-	34	44	62	...
Poplar	254	14	-	-	7	7	...	240	-	226	-	14	...
Other softwood	72	-	-	-	-	-	...	72	-	69	2	1	...

Notes:

Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohija and therefore these data are not included in the coverage for the Republic of Serbia (total). Afforestation works volume in 2018 has increased by 22% in relation to the previous year. Regarding conifers, the most wide spread was spruce, with the afforested area of 372 ha and regarding broadleaved, the most present was poplar, with the area of 254 ha. Works referring to plantation and protective areas growing in 2018, compared to 2017 decreased by 184 ha.

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