

STATISTICAL RELEASE

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Forests growing and silviculture, 2023

- 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
2022	1366	1177	1000	177	189	148	8	-	4	29
2023	1729	1368	1226	142	361	194	-	-	19	148
Index 2021 = 100	127	116	123	80	191	131	-	-	475	510
Republic of Serbia	1729	1368	1226	142	361	194	-	-	19	148
Beogradski region	24	14	14	-	10	-	-	-	-	10
Region Vojvodine	824	756	735	21	68	-	-	-	6	62
Region Šumadije i Zapadne Srbije	463	321	274	47	142	85	-	-	3	54
Region Južne i Istočne Srbije	418	277	203	74	141	109	-	-	10	22
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
2022	1509	165	1169	41	134	...
2023	1177	181	878	23	95	...
Index 2021 = 100	78	110	75	56	71	...
Plantations	1177	181	878	23	95	...
With agricultural species	-	-	-	-	-	...
Without agricultural species	1177	181	878	23	95	...
Protective areas	-	-	-	-	-	...
With agricultural species	-	-	-	-	-	...
Without agricultural species	-	-	-	-	-	...

¹⁾Included are state and private forests.

3. Artificial afforestation indices, 2022 and 2023

2022=100

	Republic of Serbia					
	Total	Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
2022	1366	28	554	483	301	...
2023	1729	24	824	463	418	...
Index	127	86	149	96	139	...

4. Silviculture, 2023

ha

	Tending and land reclamation of forests												
	Total	In private ownership forests						In state ownership forests					
		All	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	All	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
High forests tending													
Tending of new growth	3644	103	-	-	94	9	...	3541	18	3178	149	196	...
Cleaning	1579	312	-	-	312	-	...	1267	-	89	360	818	...
Thinning	16085	3668	-	-	2758	910	...	12417	15	870	7686	3846	...
Forests enrichment	202	27	-	-	13	14	...	175	-	-	175	-	...
Conifers	200	27	-	-	13	14	...	173	-	-	173	-	...
Broadleaved	2	-	-	-	-	-	...	2	-	-	2	-	...
Preparation and ground tending	4337	7	-	-	-	7	...	4330	-	4160	25	145	...
Conversion	174	12	-	-	12	-	...	162	-	13	12	137	...
Substitution	31	-	-	-	-	-	...	31	-	28	3	-	...
Reconstruction	9	1	-	-	-	1	...	8	-	-	-	8	...
Coppices tending													
Tending of new growth	129	65	-	-	65	-	...	64	-	64	-	-	...
Cleaning	545	300	-	-	300	-	...	245	-	59	142	44	...
Thinning	16025	7109	-	-	4103	3006	...	8916	194	182	4794	3746	...
Forests enrichment	69	-	-	-	-	-	...	69	-	-	-	69	...
Conifers	69	-	-	-	-	-	...	69	-	-	-	69	...
Broadleaved	-	-	-	-	-	-	...	-	-	-	-	-	...
Preparation and ground tending	105	2	-	-	-	2	...	103	-	91	-	12	...
Conversion	534	-	-	-	-	-	...	534	-	25	98	411	...
Substitution	1	-	-	-	-	-	...	1	-	-	-	1	...
Reconstruction	198	124	-	-	121	3	...	74	-	25	30	19	...
Land reclamation of other categories of forests													
Tending of new growth	30	20	-	-	20	-	...	10	-	-	-	10	...
Cleaning	37	17	-	-	17	-	...	20	-	-	-	20	...
Thinning	212	20	-	-	20	-	...	192	-	5	-	187	...
Forests enrichment	-	-	-	-	-	-	...	-	-	-	-	-	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	-	-	-	-	-	-	...	-	-	-	-	-	...
Conversion	-	-	-	-	-	-	...	-	-	-	-	-	...
Substitution	-	-	-	-	-	-	...	-	-	-	-	-	...
Resurrection	6	5	-	-	5	-	...	1	-	-	1	-	...
Repair planting	173	-	-	-	-	-	...	173	-	137	36	-	...

5. Artificial afforestation, by trees species, 2023

ha

	Artificial afforestation, by trees species, 2023												
	Total	In private ownership forests						In state ownership forests					
		All	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija	All	Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	1729	62	-	20	35	7	...	1667	24	804	428	411	...
Conifers	635	17	-	-	17	-	...	618	-	28	387	203	...
Spruce	269	10	-	-	10	-	...	259	-	-	170	89	...
Fir	8	-	-	-	-	-	...	8	-	-	8	-	...
Black pine	333	7	-	-	7	-	...	326	-	28	185	113	...
Scots pine	15	-	-	-	-	-	...	15	-	-	14	1	...
Weymouth fir	-	-	-	-	-	-	...	-	-	-	-	-	...
Douglas fir	10	-	-	-	-	-	...	10	-	-	10	-	...
Larch	-	-	-	-	-	-	...	-	-	-	-	-	...
Other conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	1094	45	-	20	18	7	...	1049	24	776	41	208	...
Beech	55	3	-	-	3	-	...	52	-	-	17	35	...
Oak	412	10	-	-	10	-	...	402	23	362	6	11	...
Acacia	127	4	-	-	-	4	...	123	-	43	3	77	...
Other hardwood	39	8	-	3	2	3	...	31	1	8	12	10	...
Poplar	379	20	-	17	3	-	...	359	-	284	3	72	...
Other softwood	82	-	-	-	-	-	...	82	-	79	-	3	...

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 2023 has increased by 27% in relation to the previous year. The greatest increase compared to the previous year was noted in Vojvodina Region, by 49%, followed by Region Južne i Istočne Srbije, by 39%. In Beogradski Region, decrease was noted, by 14%, as well as in Region Šimadije i Zapadne Srbije, by 4%.

Works referring to plantation and protective areas growing in 2023, compared to 2022 decreased by 332ha.

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