

# STATISTICAL RELEASE

# SU30

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**Forestry statistics**

SERB132 SU30 240513

## **Forests growing and silviculture, 2012 – Republic of Serbia –**

### **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. Apart from this enterprise, data are also obtained from the working organizations dealing with forestry, regardless of the fact whether it is their main activity or not. This communication 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 feeling, followed by afforestation of such area. Substitution is a reclamation measure, which also means that specified area is cleaned by pure feeling, 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 whose 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 tree-like 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 planting<sup>1)</sup>

	Afforested area									
	Total	In forests			Outside forests					
		All	Felling grounds	Clearings	all	Rocky soils and bare grounds	Quick sand	Eroded land	Agri-cultural land	Other land
2011	2821	1834	1307	527	987	187	-	18	312	470
<b>2012</b>	<b>2135</b>	<b>1413</b>	<b>1192</b>	<b>221</b>	<b>722</b>	<b>112</b>	<b>2</b>	<b>24</b>	<b>265</b>	<b>319</b>
Index 2011 =100	76	77	91	42	73	60	-	133	85	68
<b>Republic of Serbia</b>	<b>2135</b>	<b>1413</b>	<b>1192</b>	<b>221</b>	<b>722</b>	<b>112</b>	<b>2</b>	<b>24</b>	<b>265</b>	<b>319</b>
Region of Belgrade	58	54	46	8	4	-	-	-	-	4
Region of Vojvodina	832	754	698	56	78	-	2	-	3	73
Region of Sumadija and West Serbia	747	368	273	95	379	68	-	10	230	71
Region of South and East Serbia	498	237	175	62	261	44	-	14	32	171
Region of Kosovo and Metohia	...	...	...	...	...	...	...	...	...	...

<sup>1)</sup>Included are state and private forests.

## 2. Plantations and protective areas growing<sup>1)</sup>

	Republic of Serbia					
	Total	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia
2011	6547	199	6263	33	52	...
<b>2012</b>	<b>866</b>	<b>192</b>	<b>593</b>	<b>37</b>	<b>44</b>	...
Index 2011 =100	13	96	9	112	85	...
<b>Plantations</b>	<b>866</b>	<b>192</b>	<b>593</b>	<b>37</b>	<b>44</b>	...
With agricultural species	220	-	190	-	30	...
Without agricultural species	646	192	703	37	14	...
<b>Protective areas</b>	-	-	-	-	-	...
With agricultural species	-	-	-	-	-	...
Without agricultural species	-	-	-	-	-	...

<sup>1)</sup>Included are state and private forests.

## 3. Artificial afforestation indices, 2011–2012

	Republic of Serbia					
	Total	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia
2011	2821	38	1333	848	602	...
2012	2135	58	832	747	498	...
Index	76	153	62	88	83	...

2011=100

#### 4. Silviculture, 2012

	Tending and land reclamation of forests												
	Total	In private ownership forests						In state ownership forests					
		All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia	All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia
<b>High forests tending</b>													
Tending of new growth	5834	53	-	-	48	5	...	5781	53	5016	381	331	...
Cleaning	1243	84	-	-	57	27	...	1159	68	123	764	204	...
Thinning	36805	9055	-	-	6931	2124	...	27750	197	1131	21879	4543	...
Forests enrichment	-	-	-	-	-	-	...	-	-	-	-	-	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	-	-	-	-	-	-	...	-	-	-	-	-	...
Preparation and ground tending	3510	-	-	-	-	-	...	3510	5	3312	9	184	...
Conversion	110	-	-	-	-	-	...	110	-	-	-	110	...
Substitution	7	-	-	-	-	-	...	7	-	3	4	-	...
Reconstruction	322	19	-	-	19	-	...	303	-	-	175	128	...
<b>Coppices tending</b>													
Tending of new growth	350	-	-	-	-	-	...	350	-	280	70	-	...
Cleaning	163	5	-	-	-	5	...	158	22	22	99	15	...
Thinning	22265	10799	-	-	3987	6812	...	11466	438	1216	4910	4902	...
Forests enrichment	9	-	-	-	-	-	...	9	-	9	-	-	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	9	-	-	-	-	-	...	9	-	9	-	-	...
Preparation and ground tending	7	-	-	-	-	-	...	7	-	7	-	-	...
Conversion	496	399	-	-	69	330	...	97	-	80	13	4	...
Substitution	4	-	-	-	-	-	...	4	-	-	-	4	...
Reconstruction	101	93	-	-	48	45	...	8	-	8	-	-	...
<b>Land reclamation of other categories of forests</b>													
Tending of new growth	66	-	-	-	-	-	...	66	-	66	-	-	...
Cleaning	18	-	-	-	-	-	...	18	1	17	-	-	...
Thinning	6	-	-	-	-	-	...	6	-	6	-	-	...
Forests enrichment	33	1	-	-	1	-	...	32	-	32	-	-	...
Conifers	1	1	-	-	1	-	...	-	-	-	-	-	...
Broadleaved	32	-	-	-	-	-	...	32	-	32	-	-	...
Conversion	2	-	-	-	-	-	...	2	-	-	2	-	...
Substitution	7	-	-	-	-	-	...	7	-	-	4	3	...
Reconstruction	59	25	-	-	19	6	...	34	-	-	32	2	...
Planting repair	-	-	-	-	-	-	...	-	-	-	-	-	...

#### 5. Artificial afforestation, by trees species, 2012

ha

	Artificial afforestation, by trees species, 2012												
	Total	In private ownership forests						In state ownership forests					
		All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia	All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and West Serbia	Region of South and East Serbia	Region of Kosovo and Metohia
<b>Total</b>	2135	594	-	-	363	231	...	1541	58	832	384	267	...
<b>Conifers</b>	869	411	-	-	283	128	...	458	-	8	331	119	...
Spruce	530	330	-	-	240	90	...	200	-	-	136	64	...
Fir	1	-	-	-	-	-	...	1	-	-	1	-	...
Black pine	244	66	-	-	28	38	...	178	-	4	144	30	...
Scots pine	84	13	-	-	13	-	...	71	-	1	48	22	...
Weymouth fir	-	-	-	-	-	-	...	-	-	-	-	-	...
Douglas fir	5	2	-	-	2	-	...	3	-	-	-	3	...
Larch	-	-	-	-	-	-	...	-	-	-	-	-	...
Other conifers	5	-	-	-	-	-	...	5	-	3	2	-	...
<b>Broadleaved</b>	1266	183	-	-	80	103	...	1083	58	824	53	148	...
Beech	16	-	-	-	-	-	...	16	-	-	13	3	...
Oak	353	4	-	-	3	1	...	349	26	309	3	11	...
Acacia	227	122	-	-	59	63	...	105	-	49	9	47	...
Other hardwood	141	5	-	-	5	-	...	136	28	19	24	65	...
Poplar	446	52	-	-	13	39	...	394	4	364	4	22	...
Other softwood	83	-	-	-	-	-	...	83	-	83	-	-	...

### 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 Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total). Afforestation works volume in 2012 has by 24% decreased, in relation to the previous year. Regarding afforestation, the most wide spread was spruce, among conifers, with the afforested area of 530 ha and regarding broadleaved, the most present was poplar, with the area of 446 ha. Works referring to plantation and protective areas growing in 2012, compared to 2011 decreased by 5.681 ha.

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