

# STATISTICAL RELEASE

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Forestry statistics

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## Forests growing and silviculture, 2010 - 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 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 planting<sup>1)</sup>

ha

	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
2009	2143	1018	793	225	1125	275	2	15	418	415
<b>2010</b>	<b>2204</b>	<b>1355</b>	<b>1121</b>	<b>234</b>	<b>849</b>	<b>154</b>	-	<b>4</b>	<b>393</b>	<b>298</b>
Index 2009 = 100	103	133	141	104	75	56	-	27	94	72
<b>Republic of Serbia</b>	<b>2204</b>	<b>1355</b>	<b>1121</b>	<b>234</b>	<b>849</b>	<b>154</b>	-	<b>4</b>	<b>393</b>	<b>298</b>
Region of Belgrade	47	47	47	-	-	-	-	-	-	-
Region of Vojvodina	758	712	628	84	46	-	-	-	40	6
Region of Sumadija and Western Serbia	803	228	160	68	575	79	-	4	341	151
Region of Southern and Eastern Serbia	596	368	286	82	228	75	-	-	12	141
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 Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia
2009	946	87	741	47	71	...
<b>2010</b>	<b>5239</b>	<b>71</b>	<b>5079</b>	<b>23</b>	<b>66</b>	...
Index 2009 = 100	554	82	685	49	93	...
<b>Plantations</b>	<b>5239</b>	<b>71</b>	<b>5079</b>	<b>23</b>	<b>66</b>	...
With agricultural species	226	-	170	-	56	...
Without agricultural species	5013	71	4909	23	10	...
<b>Protective areas</b>	-	-	-	-	-	...
With agricultural species	-	-	-	-	-	...
Without agricultural species	-	-	-	-	-	...

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

## 3. Artificial afforestation indices, 2009–2010

2009=100

	Republic of Serbia					
	Total	Region of Belgrade	Region of Vojvodina	Region of Sumadija and Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia
2009	2143	12	437	1002	692	...
2010	2205	47	758	803	597	...
Index	103	392	173	80	86	...

#### 4. Tending and land reclamation of forests, 2010

	Tending and land reclamation of forests, 2010												
	Total	In private ownership forests					In state ownership forests						
		All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia	All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia
<b>High forests tending</b>													
Tending of new growth	3355	18	-	-	11	7	...	3337	57	2567	536	177	...
Cleaning	3342	271	-	-	243	28	...	3071	53	268	2281	469	...
Thinning	30113	15013	-	-	12154	2859	...	15100	207	758	8779	5356	...
Forests enrichment	85	-	-	-	-	-	...	85	-	-	74	11	...
Conifers	80	-	-	-	-	-	...	80	-	-	74	6	...
Broadleaved	5	-	-	-	-	-	...	5	-	-	-	5	...
Preparation and ground tending	2563	-	-	-	-	-	...	2563	-	2491	41	31	...
Conversion	112	-	-	-	-	-	...	112	-	-	112	-	...
Substitution	31	-	-	-	-	-	...	31	-	10	-	21	...
Reconstruction	321	259	-	-	259	-	...	62	-	13	-	49	...
<b>Coppices tending</b>													
Tending of new growth	115	-	-	-	-	-	...	115	-	-	113	2	...
Cleaning	142	110	-	-	-	110	...	32	1	26	-	5	...
Thinning	22736	10947	-	-	5986	4961	...	11789	424	1473	4645	5247	...
Forests enrichment	2670	2464	-	-	-	2464	...	206	-	-	13	193	...
Conifers	2668	2464	-	-	-	2464	...	204	-	-	11	193	...
Broadleaved	2	-	-	-	-	-	...	2	-	-	2	-	...
Preparation and ground tending	102	-	-	-	-	-	...	102	-	42	-	60	...
Conversion	445	415	-	-	80	335	...	30	-	30	-	-	...
Substitution	3	-	-	-	-	-	...	3	-	-	3	-	...
Reconstruction	268	89	-	-	79	10	...	179	-	139	26	14	...
<b>Land reclamation of other categories of forests</b>													
Tending of new growth	-	-	-	-	-	-	...	-	-	-	-	-	...
Cleaning	3	1	-	-	-	1	...	2	-	-	-	2	...
Thinning	-	-	-	-	-	-	...	-	-	-	-	-	...
Forests enrichment	-	-	-	-	-	-	...	-	-	-	-	-	...
Conifers	-	-	-	-	-	-	...	-	-	-	-	-	...
Broadleaved	-	-	-	-	-	-	...	-	-	-	-	-	...
Conversion	14	14	-	-	14	-	...	-	-	-	-	-	...
Substitution	3	-	-	-	-	-	...	3	-	-	3	-	...
Reconstruction	10	10	-	-	-	10	...	-	-	-	-	-	...
Planting repair	-	-	-	-	-	-	...	-	-	-	-	-	...

#### 5. Artificial afforestation, by trees species, 2010

ha

	Tending and land reclamation of forests, 2010												
	Total	In private ownership forests					In state ownership forests						
		All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia	All	Region of Belgrade	Region of Vojvodina	Region of Sumadija and Western Serbia	Region of Southern and Eastern Serbia	Region of Kosovo and Metohia
<b>Total</b>	2204	699	-	-	515	184	...	1505	47	758	288	412	...
Conifers	1120	612	-	-	486	126	...	508	-	4	276	228	...
Spruce	726	510	-	-	441	69	...	216	-	-	145	71	...
Fir	1	-	-	-	-	-	...	1	-	-	1	-	...
Black pine	191	60	-	-	16	44	...	131	-	-	80	51	...
Scots pine	175	26	-	-	25	1	...	149	-	4	45	100	...
Weymouth fir	1	1	-	-	-	1	...	-	-	-	-	-	...
Douglas fir	16	6	-	-	4	2	...	10	-	-	4	6	...
Larch	-	-	-	-	-	-	...	-	-	-	-	-	...
Other conifers	10	-	-	-	-	9	...	1	-	-	1	-	...
Broadleaved	1084	87	-	-	29	58	...	997	47	754	12	184	...
Beech	35	-	-	-	-	-	...	35	-	-	-	35	...
Oak	522	-	-	-	-	-	...	522	42	466	2	12	...
Acacia	88	34	-	-	13	21	...	54	-	22	3	29	...
Other hardwood	138	7	-	-	7	-	...	131	5	13	7	106	...
Poplar	279	45	-	-	9	36	...	234	-	232	-	2	...
Other softwood	22	1	-	-	-	1	...	21	-	21	-	-	...

### **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 2010 has by 3% increased, in relation to the previous year. Regarding afforestation, the most wide spread was spruce, among conifers, with the afforested area of 726 ha and regarding broadleaved, the most present was oak, with the area of 522 ha. Works referring to plantation and protective areas growing in 2010, when compared to 2009 increased by 4293 ha.