

# COMMUNICATION

Number 097 • Year LVII, 24/04/2007

Forestry statistics

SU30

SERB SU30 240407

## Forests growing and silviculture, 2006 - 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". Apart from this enterprise, data are also obtained from the reporting 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
2005	2746	1748	1489	259	998	324	27	10	236	401
<b>2006</b>	<b>4783</b>	<b>2188</b>	<b>1785</b>	<b>403</b>	<b>2595</b>	<b>371</b>	<b>11</b>	<b>635</b>	<b>1227</b>	<b>351</b>
Index 2005 = 100	174	125	120	156	260	115	41	6350	520	86
<b>Republic of Serbia</b>	<b>4783</b>	<b>2188</b>	<b>1785</b>	<b>403</b>	<b>2595</b>	<b>371</b>	<b>11</b>	<b>635</b>	<b>1227</b>	<b>351</b>
Central Serbia	1646	715	466	249	931	371	2	21	226	311
Vojvodina	3137	1473	1319	144	1664	-	9	614	1001	40

<sup>1)</sup> State and private forests are included.

### 2. Artificial afforestation, by trees species, 2006

ha

	Republic of Serbia						
	Afforested area						
	Total	In private ownership forests			In state ownership forests		
		All	Central Serbia	Vojvodina	All	Central Serbia	Vojvodina
<b>Total</b>	<b>4783</b>	<b>712</b>	<b>712</b>	<b>-</b>	<b>4071</b>	<b>934</b>	<b>3137</b>
<b>Conifers</b>	1302	540	540	-	762	751	11
Spruce	902	421	421	-	481	481	-
Fir	2	-	-	-	2	2	-
Black pine	171	22	22	-	149	140	9
Scots pine	186	82	82	-	104	104	-
Weymouth fir	-	-	-	-	-	-	-
Douglas fir	30	10	10	-	20	20	-
Larch	2	2	2	-	-	-	-
Other conifers	9	3	3	-	6	4	2
<b>Broadleaved</b>	3481	172	172	-	3309	183	3126
Beech	29	-	-	-	29	29	-
Oak (all kinds)	825	8	8	-	817	37	780
Acacia	1183	97	97	-	1086	14	1072
Other hardwood	276	32	32	-	244	88	156
Poplar	1031	35	35	-	996	13	983
Other softwood	137	-	-	-	137	2	135

### 3. Artificial afforestation indices, 2002 - 2006

2001 = 100

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2002	134	105	160
2003	178	165	190
2004	142	152	133
2005	134	163	107
2006	233	168	291

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

ha

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2005	1341	396	945
<b>2006</b>	<b>1577</b>	<b>335</b>	<b>1242</b>
Index 2005 = 100	118	85	131
<b>Plantations</b>	1557	335	1222
<b>With agricultural species</b>	83	44	39
Poplars	72	33	39
Lombardy	-	-	-
Euro – American	64	32	32
Domestic	8	1	7
Other broadleaved	11	11	-
Other conifers	-	-	-
<b>Without agricultural species</b>	1474	291	1183
Poplars	1289	291	998
Lombardy	454	-	454
Euro – American	714	291	423
Domestic	121	-	121
Willow trees	55	-	55
Other broadleaved	99	-	99
Douglas fir	-	-	-
Other conifers	31	-	31
<b>Protective areas</b>	20	-	20
<b>With agricultural species</b>	-	-	-
Poplars	-	-	-
Lombardy	-	-	-
Euro – American	-	-	-
Domestic	-	-	-
Other broadleaved	-	-	-
Other conifers	-	-	-
<b>Without agricultural species</b>	20	-	20
Poplars	20	-	20
Lombardy	-	-	-
Euro – American	20	-	20
Domestic	-	-	-
Willow trees	-	-	-
Douglas fir	-	-	-
Other broadleaved	-	-	-
Other conifers	-	-	-

<sup>1)</sup> State and private forests are included.

## 5. Tending and land reclamation of forests, 2006

ha

	Total	In private ownership forests			In state ownership forests		
		All	Central Serbia	Vojvodina	All	Central Serbia	Vojvodina
<b>High forests tending</b>							
Tending of new growth	1234	4	4	-	1230	561	669
Cleaning	2421	171	171	-	2250	2244	6
Thinning	22504	7867	7867	-	14637	14389	248
Forests enrichment	2	-	-	-	2	2	-
Conifers	2	-	-	-	2	2	-
Broadleaved	-	-	-	-	-	-	-
Preparation and ground tending	393	10	10	-	383	155	228
Conversion	76	-	-	-	76	76	-
Substitution	4	-	-	-	4	4	-
Reconstruction	259	12	12	-	247	239	8
<b>Coppices tending</b>							
Tending of new growth	-	-	-	-	-	-	-
Cleaning	736	308	308	-	428	180	248
Thinning	23352	13127	13127	-	10225	8469	1756
Forests enrichment	8	-	-	-	8	8	-
Conifers	3	-	-	-	3	3	-
Broadleaved	5	-	-	-	5	5	-
Preparation and ground tending	278	-	-	-	278	57	221
Conversion	2055	1486	1486	-	569	539	30
Substitution	39	-	-	-	39	39	-
Reconstruction	47	25	25	-	22	15	7
<b>Land reclamation of other categories of forests</b>							
Tending of new growth	343	-	-	-	343	5	338
Cleaning	2	-	-	-	2	2	-
Thinning	515	4	4	-	511	-	511
Forests enrichment	-	-	-	-	-	-	-
Conifers	-	-	-	-	-	-	-
Broadleaved	-	-	-	-	-	-	-
Conversion	28	24	24	-	4	-	4
Substitution	50	-	-	-	50	50	-
Resurrection	49	48	48	-	1	1	-
Planting repair	-	-	-	-	-	-	-

### Notes:

Total data refer to the Republic of Serbia and do not include data on Kosovo and Metohia. Afforestation works volume in 2006 has by 74% increased, in relation to the previous year. Works, referring to plantation and protective areas growing, in 2006, when compared to 2005, have increased by 18%. In Central Serbia, these works included the greatly smaller area: 396 ha in 2005 and 335 ha in 2006. In Vojvodina, this increase amounted to 31%.

Published and printed by: Statistical Office of the Republic of Serbia, Milana Rakica 5, Belgrade  
 Phone: 2412-922 • Fax: 2411- 260 • www.statserb.sr.gov.yu  
 Responsible: Dragan Vukmirovic, PhD, Director  
 Circulation: 200 • Issued annually