

COMMUNICATION

Number 136 • Year LX, 20/05/2010

Forestry statistics

SU30

SERB 136 SU30 200510

Forests growing and silviculture, 2009 - 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 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 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
2008	3320	2446	1870	576	874	314	8	13	285	254
2009	2143	1018	793	225	1125	275	2	15	418	415
Index 2008 = 100	65	42	42	39	129	88	25	115	147	163
Republic of Serbia	2143	1018	793	225	1125	275	2	15	418	415
Central Serbia	1706	600	388	212	1106	275	-	15	417	399
Vojvodina	437	418	405	13	19	-	2	-	1	16

¹⁾ State and private forests are included.

2. Artificial afforestation, by trees species, 2009

ha

	Republic of Serbia						
	Afforested area						
	Total	In private ownership forests			In state ownership forests		
		All	Central Serbia	Vojvodina	All	Central Serbia	Vojvodina
Total	2143	959	959	-	1184	747	437
Conifers	1357	816	816	-	541	538	3
Spruce	971	670	670	-	301	301	-
Fir	22	20	20	-	2	2	-
Black pine	209	30	30	-	179	176	3
Scots pine	133	76	76	-	57	57	-
Weymouth fir	3	3	3	-	-	-	-
Douglas fir	17	17	17	-	-	-	-
Larch	-	-	-	-	-	-	-
Other conifers	2	-	-	-	2	2	-
Broadleaved	786	143	143	-	643	209	434
Beech	5	-	-	-	5	5	-
Oak (all kinds)	73	3	3	-	70	24	46
Acacia	161	100	100	-	61	48	13
Other hardwood	167	6	6	-	161	111	50
Poplar	336	34	34	-	302	20	282
Other softwood	44	-	-	-	44	1	43

3. Artificial afforestation indices, 2005 - 2009

2004 = 100

Year	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2005	94	107	151
2006	164	111	219
2007	359	103	625
2008	114	110	117
2009	73	115	31

4. Plantations and protective areas growing¹⁾

ha

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2008	8014	330	7684
2009	946	205	741
Index 2008 = 100	12	62	10
Plantations	923	205	718
With agricultural species	348	69	279
Poplars	330	66	264
Lombardy	107	14	93
Euro – American	216	45	171
Domestic	7	7	-
Willow trees	15	-	15
Other broadleaved	-	-	-
Other conifers	3	3	-
Without agricultural species	575	136	439
Poplars	558	136	422
Lombardy	25	5	20
Euro – American	503	125	378
Domestic	30	6	24
Aspen	-	-	-
Willow trees	17	-	17
Other broadleaved	-	-	-
Douglas fir	-	-	-
Other conifers	-	-	-
Protective areas	23	-	23
With agricultural species	23	-	23
Poplars	13	-	13
Lombardy	-	-	-
Euro – American	13	-	13
Domestic	-	-	-
Other broadleaved	10	-	10
Other conifers	-	-	-
Without agricultural species	-	-	-
Poplars	-	-	-
Lombardy	-	-	-
Euro – American	-	-	-
Domestic	-	-	-
Willow trees	-	-	-
Douglas fir	-	-	-
Other broadleaved	-	-	-
Other conifers	-	-	-

¹⁾ State and private forests are included.

5. Tending and land reclamation of forests, 2009

ha

	Total	In private ownership forests			In state ownership forests		
		All	Central Serbia	Vojvodina	All	Central Serbia	Vojvodina
High forests tending							
Tending of new growth	3532	78	78	-	3454	1194	2260
Cleaning	2095	185	185	-	1910	1693	217
Thinning	26428	9315	9315	-	17113	16251	862
Forests enrichment	105	78	78	-	27	27	-
Conifers	89	78	78	-	11	11	-
Broadleaved	16	-	-	-	16	16	-
Preparation and ground tending	473	5	5	-	468	209	259
Conversion	76	-	-	-	76	76	-
Substitution	22	5	5	-	17	15	2
Reconstruction	794	13	13	-	781	781	-
Coppices tending							
Tending of new growth	498	-	-	-	498	498	-
Cleaning	90	37	37	-	53	2	51
Thinning	24459	13583	13583	-	10876	9480	1396
Forests enrichment	-	-	-	-	-	-	-
Conifers	-	-	-	-	-	-	-
Broadleaved	-	-	-	-	-	-	-
Preparation and ground tending	-	-	-	-	-	-	-
Conversion	528	407	407	-	121	121	-
Substitution	129	47	47	-	82	82	-
Reconstruction	157	108	108	-	49	49	-
Land reclamation of other categories of forests							
Tending of new growth	-	-	-	-	-	-	-
Cleaning	16	1	1	-	15	-	15
Thinning	373	191	191	-	182	-	182
Forests enrichment	-	-	-	-	-	-	-
Conifers	-	-	-	-	-	-	-
Broadleaved	-	-	-	-	-	-	-
Conversion	5	5	5	-	-	-	-
Substitution	10	-	-	-	10	-	10
Resurrection	27	1	1	-	26	10	16
Planting repair	-	-	-	-	-	-	-

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 2009 has by 35% decreased, in relation to the previous year. Works, referring to plantation and protective areas growing, in 2009, when compared to 2008, have decreased by 88%. In Central Serbia, these works included the greatly smaller area: 330 ha in 2008 and 205 ha in 2009. In AP Vojvodina, this decrease amounted to 90%.

Published and printed by: Statistical Office of the Republic of Serbia, Milana Rakica 5, Belgrade
 Phone: 2412-922 • Fax: 2411- 260 • www.stat.gov.rs
 Responsible: Dragan Vukmirovic, PhD, Director
 Circulation: 30 • Issued annually