

COMMUNICATION

Number 101 • Year LIX, 15/04/2009

Forestry statistics

SU10

SERB 101 SU10 150409

Damages to forests, 2008 - Republic of Serbia -

Methodological notes

The Report on damages to forests in the Republic of Serbia is issued annually and it is based on the forestry surveys, conducted by the Statistical Office of the Republic of Serbia. Data regarding the state and private forests are obtained from the reporting units of the public enterprise "Srbijasume" and from other organizations, dealing with forestry, regardless of the fact whether it is their main activity or not. Data are collected by types of forests and by causes of damages and are expressed in m³, regarding the felled timber and in ha, when referring to the surface area.

Regarding the state forests, the following sorts of damages have been recorded: damages caused by man, damages caused by insects, damages caused by game and domestic animals, damages by natural inclemencies and damages caused by plant diseases. Damages caused by man are classified into illicit cutting, forest assortments theft, illicit land occupation, illicit grazing, ecological poisoning and other damages caused by man. Damages caused by insects are divided into three groups: damages caused by scolytidae, damages caused by gypsy moths and damages caused by other insects. Damages by natural inclemencies are sorted into two groups: damages caused by wind and damages caused by rain, hail, snow and frost. Damages caused by fire are expressed regarding both state and private forests. Fire in forests can be surface and high. Surface fire burns land cover, humus, leaves, needles, moss, grass, tree – stumps and so on. It damages lower parts of trees and can cause their drying. High fire catches trees crowns, it spreads easily and it is difficult to fight it.

The damaged surface is expressed by causes of damage. Area of illicitly occupied surface is calculated according to geodesy measures, while area that has been damaged due to other causes is calculated either by geodesy measures or (the most frequently) by estimating. Felled timber refers to damaged felled timber, measured on the tree – stumps, still in the upright position, except when it comes to forest assortments theft, where actual felled timber of the stolen assortments is expressed. At recording the damage caused by illicit cutting, the date of recording is noted down, and not the date when damage was caused.

1. Damages to state forests

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2007			
Felled timber, m³	37915	36326	1589
2008			
Felled timber, m³	52419	44675	7744
Area, ha	5136	4552	584
Damages caused by man, m³	22229	15362	6867
Area, ha	1733	1257	476
Illicit cutting – timber exported from the forest, m ³	16134	9311	6823
Number of cases	1152	1071	81
Illicit cutting – timber remained in the forest, m ³	537	514	23
Number of cases	73	43	30
Forest assortments theft, m ³	921	900	21
Number of cases	215	211	4
Illicit land occupation, ha	1	1	-
Number of cases	13	13	-
Illicit grazing, ha	351	1	350
Number of cases	6	1	5
Ecological poisoning, m ³	-	-	-
Number of cases	-	-	-
Other damages caused by man, m ³	4637	4637	-
Number of cases	25	15	10
Damages caused by insects, m³	3877	3877	-
Area, ha	1418	1418	-
Scolytidae, m ³	3877	3877	-
Area, ha	648	648	-
Gypsy moths, m ³	-	-	-
Area, ha	770	770	-
Other insects, m ³	-	-	-
Area, ha	-	-	-
Damages caused by game and domestic animals, m³	-	-	-
Area, ha	-	-	-
Damages by natural inclemencies, m³	15706	15706	-
Area, ha	1098	1098	-
Wind, m ³	9957	9957	-
Area, ha	808	808	-
Rain, hail, snow, frost, m ³	5749	5749	-
Area, ha	290	290	-
Damages caused by plant diseases, m³	4611	4611	-
Area, ha	464	464	-
Damages caused by fire, m³	5996	5119	877
Area, ha	423	315	108
Number of fires	48	43	5
Surface fire, m ³	2477	1600	877
Area, ha	376	268	108
Number of fires	42	37	5
High fire, m ³	3519	3519	-
Area, ha	47	47	-
Number of fires	6	6	-

2. Damages caused by fire

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2007			
Damaged felled timber, m³	5818	4927	891
2008			
Fired area, ha	575	467	108
Damaged felled timber, m ³	7149	6272	877
Number of fires	48	43	5
State forests			
Fired area, ha	423	315	108
Damaged felled timber, m ³	5996	5119	877
Number of fires	48	43	5
Private forests			
Fired area, ha	152	152	-
Damaged felled timber, m ³	1153	1153	-

3. Structure of illicitly felled timber in state forests, 2008

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
Total	52419	44675	7744
Broadleaves	32423	24687	7736
Industrial and technical wood	6534	6399	135
Fuel wood	23603	16218	7385
Refusal	2286	2070	216
Conifers	19996	19988	8
Industrial and technical wood	11920	11920	-
Fuel wood	4063	4063	-
Refusal	4013	4005	8

Notes:

The presented data, referring to the Republic of Serbia, do not include the data on AP of Kosovo and Metohia. Total damages in state forests of the Republic of Serbia in 2008, expressed in volume of the felled timber, amounted to approximately 52 thousand m³, out of which, about 22 thousand m³ were damages caused by man. Natural inclemencies (wind, rain, hail, snow) caused damages of approximately 16 thousand m³ of the felled timber, which was about 30 % of the total damages in state forests. During 2008, 48 cases of fire were recorded and damaged felled timber was 5996 m³. Damaged felled timber in private forests amounted to 1153 m³. Illicitly felled timber in state forests in 2008 was about 16.5 thousand m³. Referring to Central Serbia, it was about 9.8 thousand m³, while in Vojvodina (for the publishing purposes without AP entry), it was about 6.8 thousand m³.

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