

# COMMUNICATION

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Forestry statistics

SU10

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## Damages to forests, 2007 - 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 and are expressed in m<sup>3</sup>, 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
<b>2006</b>			
<b>Felled timber, m<sup>3</sup></b>	<b>29498</b>	<b>27777</b>	<b>1721</b>
<b>2007</b>			
<b>Felled timber, m<sup>3</sup></b>	<b>37915</b>	<b>36326</b>	<b>1589</b>
<b>Area, ha</b>	<b>11900</b>	<b>10985</b>	<b>915</b>
<b>Damages caused by man, m<sup>3</sup></b>	<b>17046</b>	<b>16348</b>	<b>698</b>
<b>Area, ha</b>	<b>2101</b>	<b>1347</b>	<b>754</b>
Illicit cutting – timber exported from the forest, m <sup>3</sup>	11200	10563	637
Number of cases	1139	1059	80
Illicit cutting – timber remained in the forest, m <sup>3</sup>	280	272	8
Number of cases	36	34	2
Forest assortments theft, m <sup>3</sup>	899	846	53
Number of cases	158	156	2
Illicit land occupation, ha	137	136	1
Number of cases	26	21	5
Illicit grazing, ha	651	1	650
Number of cases	57	1	56
Ecological poisoning, m <sup>3</sup>	-	-	-
Number of cases	-	-	-
Other damages caused by man, m <sup>3</sup>	4667	4667	-
Number of cases	22	19	3
<b>Damages caused by insects, m<sup>3</sup></b>	<b>2160</b>	<b>2160</b>	<b>-</b>
<b>Area, ha</b>	<b>850</b>	<b>850</b>	<b>-</b>
Scolytidae, m <sup>3</sup>	2145	2145	-
Area, ha	646	646	-
Gypsy moths, m <sup>3</sup>	-	-	-
Area, ha	-	-	-
Other insects, m <sup>3</sup>	15	15	-
Area, ha	204	204	-
<b>Damages caused by game and domestic animals, m<sup>3</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Area, ha</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Damages by natural inclemencies, m<sup>3</sup></b>	<b>10549</b>	<b>10549</b>	<b>-</b>
<b>Area, ha</b>	<b>803</b>	<b>803</b>	<b>-</b>
Wind, m <sup>3</sup>	1789	1789	-
Area, ha	116	116	-
Rain, hail, snow, frost, m <sup>3</sup>	8760	8760	-
Area, ha	687	687	-
<b>Damages caused by plant diseases, m<sup>3</sup></b>	<b>5003</b>	<b>5003</b>	<b>-</b>
<b>Area, ha</b>	<b>345</b>	<b>345</b>	<b>-</b>
<b>Damages caused by fire, m<sup>3</sup></b>	<b>3157</b>	<b>2266</b>	<b>891</b>
<b>Area, ha</b>	<b>7801</b>	<b>7640</b>	<b>161</b>
<b>Number of fires</b>	<b>328</b>	<b>301</b>	<b>27</b>
Surface fire, m <sup>3</sup>	3085	2233	852
Area, ha	7064	6910	154
Number of fires	285	259	26
High fire, m <sup>3</sup>	72	33	39
Area, ha	737	730	7
Number of fires	43	42	1

## 2. Damages caused by fire

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
<b>2006</b>			
<b>Damaged felled timber, m<sup>3</sup></b>	<b>1080</b>	<b>1063</b>	<b>17</b>
<b>2007</b>			
<b>Fired area, ha</b>	<b>22161</b>	<b>22000</b>	<b>161</b>
Damaged felled timber, m <sup>3</sup>	5818	4927	891
Number of fires	328	301	27
<b>State forests</b>			
Fired area, ha	7801	7640	161
Damaged felled timber, m <sup>3</sup>	3157	2266	891
Number of fires	328	301	27
<b>Private forests</b>			
Fired area, ha	14360	14360	-
Damaged felled timber, m <sup>3</sup>	2661	2661	-

## 3. Structure of illicitly felled timber in state forests, 2007

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
<b>Total</b>	<b>37915</b>	<b>36326</b>	<b>1589</b>
<b>Broadleaves</b>	<b>21601</b>	<b>20279</b>	<b>1322</b>
Industrial and technical wood	2758	2660	98
Fuel wood	16829	15819	1010
Refusal	2014	1800	214
<b>Conifers</b>	<b>16314</b>	<b>16047</b>	<b>267</b>
Industrial and technical wood	10461	10461	-
Fuel wood	2991	2991	-
Refusal	2862	2595	267

### 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 2007, expressed in volume of the felled timber, amounted to approximately 38 thousand m<sup>3</sup>, out of which, about 17 thousand m<sup>3</sup> were damages caused by man. Natural inclemencies (wind, rain, hail, snow) caused damages of approximately 10 thousand m<sup>3</sup> of the felled timber, which was about 28 % of the total damages in state forests. During 2007, 328 cases of fire were recorded and damaged felled timber was 5818 m<sup>3</sup>. Damaged felled timber in private forests amounted to 2661 m<sup>3</sup>. Illicitly felled timber in state forests in 2007 was about 11.5 thousand m<sup>3</sup>. Referring to Central Serbia, it was about 10.8 thousand m<sup>3</sup>, while in Vojvodina (for the publishing purposes without AP entry), it was about 0.6 thousand m<sup>3</sup>.

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