

COMMUNICATION

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Forestry statistics

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Damages to forests, 2009 - 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
2008			
Felled timber, m³	52419	44675	7744
2009			
Felled timber, m³	47258	44945	2313
Area, ha	6938	6232	706
Damages caused by man, m³	14090	12304	1786
Area, ha	1081	853	228
Illicit cutting – timber exported from the forest, m ³	8777	7121	1656
Number of cases	1343	1199	144
Illicit cutting – timber remained in the forest, m ³	286	240	46
Number of cases	28	22	6
Forest assortments theft, m ³	653	569	84
Number of cases	157	139	18
Illicit land occupation, ha	25	7	18
Number of cases	4	1	3
Illicit grazing, ha	13	-	13
Number of cases	6	-	6
Ecological poisoning, m ³	-	-	-
Number of cases	-	-	-
Other damages caused by man, m ³	4374	4374	-
Number of cases	15	15	-
Damages caused by insects, m³	3021	3021	-
Area, ha	1020	1020	-
Scolytidae, m ³	1491	1491	-
Area, ha	281	281	-
Gypsy moths, m ³	1530	1530	-
Area, ha	658	658	-
Other insects, m ³	-	-	-
Area, ha	81	81	-
Damages caused by game and domestic animals, m³	-	-	-
Area, ha	78	-	78
Damages by natural inclemencies, m³	19937	19410	527
Area, ha	2575	2207	368
Wind, m ³	11575	11048	527
Area, ha	2221	1853	368
Rain, hail, snow, frost, m ³	8362	8362	-
Area, ha	354	354	-
Damages caused by plant diseases, m³	8313	8313	-
Area, ha	1931	1931	-
Damages caused by fire, m³	1897	1897	-
Area, ha	253	221	32
Number of fires	41	32	9
Surface fire, m ³	214	214	-
Area, ha	235	203	32
Number of fires	38	29	9
High fire, m ³	1683	1683	-
Area, ha	18	18	-
Number of fires	3	3	-

2. Damages caused by fire

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
2008			
Damaged felled timber, m³	7149	6272	877
2009			
Fired area, ha	1210	1178	32
Damaged felled timber, m ³	1932	1932	-
Number of fires	41	32	9
State forests			
Fired area, ha	253	221	32
Damaged felled timber, m ³	1897	1897	-
Number of fires	41	32	9
Private forests			
Fired area, ha	957	957	-
Damaged felled timber, m ³	35	35	-

3. Structure of illicitly felled timber in state forests, 2009

	Republic of Serbia		
	Total	Central Serbia	Vojvodina
Total	47258	44945	2313
Broadleaves	24423	22110	2313
Industrial and technical wood	3864	2977	887
Fuel wood	18009	16825	1184
Refusal	2550	2308	242
Conifers	22835	22835	-
Industrial and technical wood	14397	14397	-
Fuel wood	4601	4601	-
Refusal	3837	3837	-

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).

Total damages in state forests of the Republic of Serbia in 2009, expressed in volume of the felled timber, amounted to approximately 47 thousand m³, out of which, about 14 thousand m³ were damages caused by man. Natural inclemencies (wind, rain, hail, snow) caused damages of approximately 20 thousand m³ of the felled timber, which was about 42 % of the total damages in state forests. During 2009, 41 cases of fire in state forests were recorded and damaged felled timber was 1897 m³. Damaged felled timber in private forests amounted to 35 m³. Illicitly felled timber in state forests in 2009 was about 9 thousand m³. Referring to Central Serbia, it was about 7.3 thousand m³, while in AP Vojvodina it was about 1.7 thousand m³.

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