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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 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 |
|  |  |  |  |
| **2006** |  |  |  |
| **Felled timber, m3** | **29498** | **27777** | **1721** |
|  |  |  |  |
| **2007** |  |  |  |
| **Felled timber, m3**  | **37915** | **36326** | **1589** |
| **Area, ha**  | **11900** | **10985** | **915** |
|  |  |  |  |
| **Damages caused by man, m3** | **17046** | **16348** | **698** |
| **Area, hа** | **2101** | **1347** | **754** |
| Illicit cutting – timber exported from the forest, m3  | 11200 | 10563 | 637 |
|  Number of cases | 1139 | 1059 | 80 |
| Illicit cutting – timber remained in the forest, m3  | 280 | 272 | 8 |
|  Number of cases | 36 | 34 | 2 |
| Forest assortments theft, m3  | 899 | 846 | 53 |
|  Number of cases | 158 | 156 | 2 |
| Illicit land occupation, hа | 137 | 136 | 1 |
|  Number of cases | 26 | 21 | 5 |
| Illicit grazing, hа  | 651 | 1 | 650 |
|  Number of cases | 57 | 1 | 56 |
| Ecological poisoning, m3  | - | - | - |
|  Number of cases | - | - | - |
| Other damages caused by man, m3  | 4667 | 4667 | - |
|  Number of cases | 22 | 19 | 3 |
|  |  |  |  |
| **Damages caused by insects, m3**  | **2160** | **2160** | **-** |
|  **Area, hа** | **850** | **850** | **-** |
|  Scolytidae, m3 | 2145 | 2145 | - |
|  Area, hа  | 646 | 646 | - |
|  Gypsy moths, m3 | - | - | - |
|  Area, hа | - | - | - |
|  Other insects, m3   | 15 | 15 | - |
|  Area, hа | 204 | 204 | - |
|  |  |  |  |
| **Damages caused by game and domestic animals, m3** | **-** | **-** | **-** |
| **Area, hа** | **-** | **-** | **-** |
|  |  |  |  |
| **Damages by natural inclemencies, m3**  | **10549** | **10549** | **-** |
|  **Area, hа** | **803** | **803** | **-** |
|  Wind, m3 | 1789 | 1789 | - |
|  Area, hа | 116 | 116 | - |
|  Rain, hail, snow, frost, m3  | 8760 | 8760 | - |
|  Area, hа | 687 |  687 | - |
|  |  |  |  |
| **Damages caused by plant diseases, m3**  | **5003** | **5003** | **-** |
| **Area, hа** | **345** | **345** | **-** |
|  |  |  |  |
| **Damages caused by fire, m3**  | **3157** | **2266** | **891** |
|  **Area, hа** | **7801** | **7640** | **161** |
|  **Number of fires** | 328 | 301 | 27 |
|  Surface fire, m3 | 3085 | 2233 | 852 |
|  Area, hа | 7064 | 6910 | 154 |
|  Number of fires | 285 | 259 | 26 |
|  High fire, m3  | 72 | 33 | 39 |
|  Area, hа | 737 | 730 | 7 |
|  Number of fires | 43 | 42 | 1 |

**2. Damages caused by fire**

|  |  |
| --- | --- |
|  | Republic of Serbia |
| Total | Central Serbia | Vojvodina |
|  |  |  |  |
| **2006** |  |  |  |
| **Damaged felled timber, m3** | **1080** | **1063** | **17** |
|  |  |  |  |
| **2007** |  |  |  |
| **Fired area, hа** | **22161** | **22000** | **161** |
| Damaged felled timber, m3 | 5818 | 4927 | 891 |
| Number of fires | 328 | 301 | 27 |
|  |  |  |  |
| State forests |  |  |  |
| Fired area, hа  | 7801 | 7640 | 161 |
| Damaged felled timber, m3 | 3157 | 2266 | 891 |
| Number of fires | 328 | 301 | 27 |
|  |  |  |  |
| Private forests |  |  |  |
| Fired area, hа | 14360 | 14360 | - |
| Damaged felled timber, m3 | 2661 | 2661 | - |

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

|  |  |
| --- | --- |
|  | Republic of Serbia |
| Total | Central Serbia | Vojvodina |
|  |  |  |  |
| **Total** | **37915** | **36326** | **1589** |
|  |  |  |  |
| **Broadleaves** | **21601** | **20279** | **1322** |
|  Industrial and technical wood | 2758 | 2660 | 98 |
|  Fuel wood | 16829 | 15819 | 1010 |
|  Refusal | 2014 | 1800 | 214 |
|  |  |  |  |
| **Conifers** | **16314** | **16047** | **267** |
|  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 m3, out of which, about 17 thousand m3 were damages caused by man. Natural inclemencies (wind, rain, hail, snow) caused damages of approximately 10 thousand m3 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 m3. Damaged felled timber in private forests amounted to 2661 m3. Illicitly felled timber in state forests in 2007 was about 11.5 thousand m3. Referring to Central Serbia, it was about 10.8 thousand m3, while in Vojvodina (for the publishing purposes without AP entry), it was about 0.6 thousand m3.

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Responsible: Dragan Vukmirovic, PhD, Director

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