

Forestfireprotection in Poland and Europe

Forests, beside their invaluable value for the environment and human life are destroyed. Their existence is endangered primarily by deforestation, industry, hurricanes, harmful insects and one of the deadliest enemies of lifelong destruction - fire. About 40% of the world's forests and 65% of European forests are potentially endangered by fires. In Poland it's 83%

THE ROLE OF FORESTS IN HUMAN'S LIFE

The problem is that every year, a lot of forest resources are destroyed by natural diseases such as wildfires.

We will try to tell you as much about wildfires and how to prevent them as we can.

WHAT'S A WILDFIRE?

According to webdictionary.com, it's a "large fire that spreads rapidly and is hard to extinguish." Only in 2016 in summer there was huge wave of wildfires in Europe due to very high temperature. Financial losses were counted in millions of dollars, but loss for nature was incalculable. That's why we should protect our forests even more careful.



CLIMATE AND FOREST FIRES

Climate changing is a thing that has a lot in common with forest fires. every year due to it there are higher temperatures during summer, and higher temperatures means higher chance of fire appearing. That's why durng summer we should be extremaly careful about not leaving in forests any things which can cause a fire as eg glass bottles, especially during drought.

during draught dry
elements of

forests can easily
catch fire



FACTORS AFFECTING RISK OF FOREST FIRE

- Meteorological conditions, eg. temperature
- humidity of soil cover, especially death components
- possibility of appearing a stimulus, which can cause a fire, eg. cigarette butt, a match, a bonfire
- types of forest combustible materials: species composition and age of trees

source:

http://www.lasy.gov.pl/publikacje/copy_of_gospodarka-lesna/ochrona_lasu/instrukcja-ochrony-przeciwpozarowej/view



SIZES OF FOREST FIRES



- expired in the bud - to 0,05 ha
- small - from 0,06 ha to 1 ha
- average - 1,01 ha to 10 ha
- big - from 10,01 ha to 100 ha
- very big - from 100,01 ha to 500 ha
- catastrophic - over 500 ha

source:

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TYPES OF FOREST FIRES

Forest fire is an uncontrolled combustion of forest, that causes ecological and material losses.

FOREST FIRES
ARE DIVIDED
INTO:

- sub-surface fires
(peat, meat-muck)
- fires of the soil
cover
- total forest fire
- single tree fires



BASES OF FIREFIGHTING EQUIPMENT

Forest firefighting equipment includes tools and devices useful for limiting the spread, extinguishing and overcoming forest fires (top layers of forest soil and its cover) scrubs and agricultural crops and other natural areas.



WATER SUPPLY

Water supply for the fire protection of the forest complex is natural and artificially prepared water resources adapted to the water intake of the fire extinguisher as described in paragraph 4.8.6

The artificial water resources include covered and exposed tanks, hydrants and deep wells.



How to prevent fires?

In order to prevent the spread of any fire in the forest it is important to make fire protection belts and to remove branches, brushes uncut trees and post mining waste at a distance of 50m from the end of the railway or public road. In forests, in the forested areas in the area of meadows, peatbogs and heaths, and within 100m of the forest border, activities which may cause fire and in particular the burning of soil and vegetation residues must not be carried out. Open fire can be used in the forest or within 100m of its boundary - only in locations designated or agreed with the owner or forest manager. It's imperative to observe the prohibition of entry into the forest introduced by the owner due to the high fire risk in forest areas.



CONDUCTING INFORMATION AND WARNING ACTIVITIES

Information and warning activities aim to shape the appropriate people's behavior. This activity should be one of the basics elements of education.



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