

BOOK OF ABSTRACTS



*XIV International Scientific Agriculture Symposium
"Agrosym 2023"
Jahorina, October 05-08, 2023*



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COMPARATIVE ANALYSIS OF THE CONDITION OF A STAND BEFORE AND AFTER CARRYING OUT ICE BREAKAGE REMEDIAL MEASURES IN THE AREA OF RTANJ MOUNTAIN IN SERBIA

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Abstract

The analysis of the condition of a stand before and after carrying out ice breakage remedial measures in the area of Rtanj mountain is presented in this paper. The stand has been defined phytocoenologically as the mountainous beech forest (*Fagetum moesiacaе montanum*) on different brown soils. It is situated at the altitude between 500 m and 820 m, on a very steep slope (16°-20°). Remedial measures have been carried out on several occasions whereby heavily damaged trees were removed with a tendency to preserve the parent stand canopy as much as possible. Before the damage occurred, there had been 434 trees per ha, basal area and volume had amounted to 31.0 m²/ha and 305 m³/ha, respectively. Stand mean diameter had amounted to 28 cm, while mean height had amounted to 20.2 m. After removing heavily damaged trees, the number of trees per ha declined to 200, basal area amounts to 13.56 m²/ha, while volume was 122.68 m³/ha. Stand mean diameter amounted to 29.4 cm, while mean height was 17.8 m. The biggest differences in the reduction of the number of trees, basal area and volume note in diameter class 27.5 cm. Irregular diameter and height structure are consequences of removal of damaged trees in all diameter degrees.

Keywords: Remedial Measures, Ice Breaks, Beech, Rtanj.