

CONTRIBUTIONS TO THE ASSESSMENT OF GRASSLAND HABITATS PRODUCTIVITY IN THE MUREŞ GORGE

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Abstract. *The permanent grasslands in the Mureş Gorge, between Topliţa and Deda, located between 500 - 750 m altitude, in an area with a tradition of animal breeding, have a fairly high productivity. On average, the pastoral value (PV) is 50.6 and the green mass production (GMP) 9.33 t/ha, on which 0.87 LU/ha can be maintained during the 165 days of the grazing season. The normal Habitat 6520 with the Phyteumo - Trisetion and Cynosurion alliances has the highest productivity (68 PV and 12.9 t/ha GMP), 4-5 times higher than the degraded Habitat 6210 with the Seslerio - Festucion pallentis alliance (16 PV and 2.37 t/ha GMP). Data on grassland productivity further serve to assess potential forage and utilization with livestock.*

Keywords: permanent grasslands, pastoral value, green mass production, grazing capacity

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1. Introduction

Riverside permanent grasslands are generally more productive, usually having guaranteed soil moisture and a higher degree of trophicity (Maruşca, Nicolin 2020; Maruşca, Vinţan 2022; Maruşca et al. 2022; Oprea, Maruşca 2022) [4, 5, 6, 7].

In addition to the geobotanical studies, the present work continues the evaluation of the productivity of the grasslands based on the floristic survey (Maruşca 2019) [2], results that continue to serve for the preparation of improvement and exploitation projects.

2. Materials and Methods

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