

CONTRIBUTION TO THE ASSESSMENT OF GRASSLANDS PRODUCTIVITY BETWEEN JIU - DEZNĂȚUI - CRAIOVA AND DANUBE

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Abstract. *The evaluation of grasslands productivity with indices of pastoral value, production of green mass and milk from areas less studied, completes the data for the following syntheses of this kind, necessary for the preparation of pastoral development projects. The results at the vegetal association level highlighted the higher value of the phytocenoses *Lolietum perennis* and *Poaetum pratensis* from the *Agrostidion albae* alliance and lower for *Brometum arvense* from the *Festucion valesiacae* alliance. In general, the grasslands in the study area with an average production of 10 t/ha green mass, almost 57 pastoral value index, 5,180 liters of cow's milk at a load of 0.8 LU/ha in 160 days of grazing are rated as good in relation to the country average.*

Keywords: permanent grassland, pastoral value, grazing capacity, production of green mass, cow's milk production

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1. Introduction

In the process of drawing up the pastoral arrangements, it is mandatory to know the grasslands productivity in order to establish the technologies for improvement and rational use [1].

Since there were and still are many obstacles and expenses for the concrete determination of production on the ground by fencing some sample areas, mowing, weighing, etc., the evaluation based on floristic survey was proposed as being much easier and accessible [2].

Until now, numerous phytocoenoses and grasslands habitats have been analyzed and evaluated, which have been synthesized per country in a first approximation [6, 10].

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