

RESEARCHES ON RATIONAL UTILIZATION OF IMPROVED GRASSLANDS FROM MOUNTAIN REGION

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Abstract. *The inappropriate utilization of mountain grasslands, absence of improving works and fertilization, etc., had led to degradation, on various stages of grassy carpet, due to the invasion of species with low nutritional value. Among those are the degraded *Nardus stricta* grasslands, spreaded on large surfaces. In this paper are shown the results on botanical composition, fodder quality, milk quantity and quality, agrochemical indices, etc., obtained on *Nardus stricta* grasslands improved by different methods starting from 1995 and rationally used for 18 years. Researches have been carried out at Research Base for Mountain Grasslands (RBMG) Blana-Bucegi, at 1800 m altitude, in Bucegi Plateau on a slight tilted terrain with Eastern exposure located at the base of Blana Peak (1875 m). The improving methods had profoundly changed the botanic composition from experimental field, influencing positive the milk production, that reached values up to 3,8 times higher at improved plots compared with the control variant.*

Keywords: *Nardus stricta* grasslands, improving, milk production, quality

1. Introduction

Animal husbandry on subalpine grasslands is a very important economical solution to use these forage resource [3].

The domestic animals kept on those pastures for 80-100 days are providing better productions compared to the ones from lower altitudes, with no other supplementary feeding, excepting the fodder from grasslands [1, 4].

Transhumant herding is still present and has even intensified on the accessible mountains, like Bucegi Massif [2].

On these surfaces it can be used improvement methods, determining higher yields, a substantial improvement of botanical composition and implicitly of fodder quality [6, 7].

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