



Over seeding and fertilization, methods of improving the productive potential of the mountain grasslands

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The mountain pasturelands' grass represents a source of nourishment and habitat for animals, contributes soil erosion's prevention by retaining the rainfall, improves the soils from the fertility's point of view, assures the biodiversity for the approximately 70% of the plant species, having also an esthetical and recreational function. During 2007-2009 there was organized, on a *Agrostis capillaris* + *Festuca rubra* grassland, an experiment in order to increase the productive potential, by over seeding with *Phleum pratense*, *Dactylis glomerata* and *Trifolium pratense* and fertilization with cattle manure and mineral fertilizers. There were obtained big productions for the fertilization with manure 20 t/ha + 100-200 kg/ha complex fertilizers (7.3-7.4 t/ha d.s.), and the grassland's floristic structure improved by the increase of the leguminous species' ratio with 10-15%.