



## Influence of fertilization system on nardus stricta grassland from Dorna basins

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The pastoral patrimony of Romania, made up of 4.9 million ha, of which 3.4 million ha grassland and 1.5 million ha hayfields, represents 33% of the total national farming area. It represents a huge potential of natural resources for the economic development of the country. This potential is weakly revaluated, because of the degradation state of most of grasslands, of low yields and reduced quality of fodder, as a result of improper floristic composition. In this context, the main objectives approached by the Romanian research teams in this field were the permanent improvement of fodder production on grasslands, by finding new economically efficient and ecologically viable solutions. This study has the aim to identify the best rates of mineral and organic fertilizers, resulting in improving productivity and quality of grassland ecosystems, under conditions of environment conservation. We will also estimate the impact of fertilization on biodiversity and pastoral value of studied grasslands.