

THE POSSIBILITY OF REDUCING THE NITROGEN FERTILIZERS BY USING SOME GRAMINEOUS AND PERENNIAL MIXTURES IN THE CONDITIONS OF NORTHERN MOLDAVIA

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Abstract

The studies made in the period 2009-2010 underlined the necessity of using some bigger doses of nitrogen at timothy grass in order to obtain some bigger and qualitative productions. In order to make more efficient the fodder production it's necessary to create mixtures of perennial gramineous and leguminous. The timothy grass is associated very well with the clover (*Trifolium pratense*), this mixture has been used for a long time in Bucovina. The experience with different proportions of the two species on different doses of nitrogen fertilizers highlights the high production of green mass and dry substance with a moderate usage of nitrogen. The best results were obtained at the clover mixture in the ratio of 50-75%, with the timothy grass in the ratio of 25-50% on a nitrogen agricultural background between N₃₀-N₇₅.

Key words: mixture, nitrogen, green mass, dry substance, timothy grass, clover

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