



Comportarea unor pajiști temporare înființate pe bază de amestecuri simple de graminee și leguminoase perene în Câmpia Moldovei

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The researches have focused on the influence of the mixture of graminaceae and perennial leguminous plants, as well as on the influence of fertilization with mineral and organic fertilizers on the forage yield. In 2006, which was the first vegetation year, at the mixtures *Medicago sativa* + *Dactylis glomerata*, the average forage yield, on all backgrounds decreased from 4.53 t/ha d.m. at the mixture formed from 70 % *Medicago sativa* + 30 % *Dactylis glomerata*, to 2.81 t/ha d.m (62 %) at the mixture formed from 20 % *Medicago sativa* + 80 % *Dactylis glomerata*. The forage yield decreased concomitantly with the decrease of participation percentage of *Onobrychis viciifolia* species, being of 2.91 t/ha d.m. at the mixture formed from 70 % *Onobrychis viciifolia* + 30 % *Bromus inermis* of 1.31 t/ha d.m. (45 %) at the mixture formed from 20 % *Onobrychis viciifolia* + 80 % *Bromus inermis*.

The average yield of the mixtures formed from *Onobrychis viciifolia* + *Bromus inermis* was represented by 55 % from the yield of the mixtures formed from *Medicago sativa* + *Dactylis glomerata*. The fertilization had a positive influence on the forage yield at the mixtures with *Medicago sativa* + *Dactylis glomerata* as well as at the mixtures with *Onobrychis viciifolia* + *Bromus inermis*. At the mixture formed from 70 % *Medicago sativa* + 30 % *Dactylis glomerata* the yield was about 3.46 t/ha d.m. at the variant without fertilization, 5.38 t/ha d.m. (155 %) at fertilization with N200P100, 4.76 t/ha d.m. (138 %) at the variant with 5 t/ha vinassa and 4.52 t/ha d.m. (131 %) when 30 t manure/ha were applied.

At the mixtures composed of *Onobrychis viciifolia* + *Bromus inermis* the yields were smaller on all the backgrounds as composed with the mixtures formed from *Medicago sativa* + *Dactylis glomerata*.