

# **THE CREATION of the PERENNIAL FORAGE PASTURES UNDER the CONDITIONS of the ORGANIC FEED PRODUCTION**

**O. D. Hratylo, V. F. Smenov, H. S. Smenova, L. I. Petrychuk**  
ascitsr\_priemnaya@ukr.net

Ascania Nova Institute of Animal Breeding in the Steppe Regions  
named after M.F. Ivanov - National Scientific Selection-Genetics  
Center for Sheep Breeding  
Chervonoarmiyska Street, 1, Askania Nova, Chaplinka district, Kherson  
region, 75230, Ukraine

*In order to create the forage agrocenoses of the pasture using in the conditions of organic feed production in the arid Steppe of Ukraine zone studied the yield of new sorts of perennial grasses, effect of biological drugs on their performance also it was determined the quality and economic efficiency of the growing grass-legume pasture grass mixtures on pasture conveyor.*

*In the material that is given, presented the results of studies the forage productivity of drought-resistant perennial grasses which were grown in compatible seedings with feed crops of high-protein .*

*It was chosen the examples of the productive perennial grass sorts and their grass mixture: there are Aristata, Wheatgrass, Psahyrostachys Nevski, Agroatis with Sainfoin Harenosum, which provide uninterrupted flow of pasture forages for 55-60 days with a total capacity of 25-30 kg / ha of feed units, that are balanced on protein.*

*The influence of biological products of various functional actions (ryzobofit, biopolitside, fosfoenterine, diazofit) on the yield and quality of green mass of the created agrophytocenoses has been determined.*

*Determined botanical composition of grass-legume pasture grass mixtures and was showed the fluctuations in ratio of components on years.*

*Was given the data on the productivity of pasture grass stands for the entire period of their use and was determined the most efficient grass mixtures for the arid steppe pastures of Ukraine.*

*It was calculated the economic efficiency of growing grass-legume and grass mixtures in the pasture conveyor, so as the net profit, cost and profitability of their production were showed.*

**Keywords:** pasture, perennial grasses, yield, organic fodder.