

THE MODELS of PASTURE - HAYMAKING AGROPHYTOCENOSIS USED for CONVERT the NATURAL FODDER LANDS in GRASSLANDS on the SOUTH of UKRAINE

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The results of studies of the productivity of pasture agrocenoses are presented, including new specimen of forage grass, which were introduced from different dry regions. The estimation of their economic and useful properties, economic efficiency is given and the prospects of their use in conditions of rainfed farming of the steppe zone are determined.

For the purpose of creating perspective models of fodder agrophytocenosis, in which fodder plants of the steppe ecotype were introduced for pasture-haymaking use and restoration of natural forage lands, productive varieties and varieties of perennial grasses were selected. These are the following kinds of varieties and the samples of varieties: 14/08 "Psahyrostachys Nevski"; "Skif" - "Bromopsisnermis (Leyss) Holub."; "Boyan" - "Bromopsisriparia (Rehm) Holub."; "Petrovsky" - "Agropyron Gaerth."; "Krym" - "Agropyronpectiniforme Roem" and the medium-thick grass "Hors" - "Elytrigaiintermedia (Host.) Nevski". The above-mentioned fodder plants in joint sowing with sainfoin of the Transcaucasian variety "Adam" ensured the uninterrupted supply of pasture fodder for 65-70 days with a total productivity of 126.6-169.7 cwt / ha of green mass or 26-35 centners / ha of feed units.

The economic efficiency of growing cereal-leguminous mixtures in a pasture conveyor has been calculated and the data of the prime cost and profitability of their production are given.

The prime cost of green mass and the level of profitability of growing of mixtures with varieties of "Skif" and "Boyan" were 3.14-3.16 hryvnas per centner and 58.0-59.2%; "Hors" - 3.04 UAH / cwt and 64.4%; "Krym" and "Petrovskiy" - 3,62-4,36 UAH / cwt and 38,0-14,8%; "Psahyrostachys Nevski" - 14/08 - 4,1 UAH / cwt and 22,7%.

Keywords: agrophytocenosis, varieties, samples of varieties, useful properties, restoration of the grass stand, natural forage lands.