

# **RANKING SYSTEM EVALUATION and SELECTION of EWES for the BREEDING PURPOSES of the IMPROVEMENT of HERD TAVRIA MERINO ACCORDING the INTEGRATED PRODUCTIVITY LEVEL**

**I. I. Antonik**

[primavera1a@mail.ru](mailto:primavera1a@mail.ru)

Institute of veterinary medicine of national academy  
of agricultural sciences of Ukraine  
30, Donetska Street, Kyiv, 03151, Ukraine

*Improving of the hereditary traits is the decisive factors of formation the productivity of animals in specific conditions of agricultural production. These traits are being improved in the process of selection. It is impossible already to carry out breeding work by traditional methods in the best herds. Selection should be based on the patterns of variability. In this regard, for developing new breeding work systems need thorough investigating the regularities of creation and use of variety of animals for breeding purposes. Such systems must be based on real population genetic and production patterns in the pedigree work of sheep breeding and also foresee quantitative indicators of evaluation selection parameters with that the widespread use of computer's technology.*

*Therefore, the aim of our work is to study the efficiency of use of the rank system of the evaluation and selection of ewes for breeding purposes of Merino herd improving of PJSC breeding farm "Chervony Chaban" on integrated productivity level.*

*As a result, production and laboratory studies have established: conformity of chosen ewes performance by better factory herd of sheep in the breed standards (-55.2 kg live weight, pure wool, clip of wool 3.31 kg), ewes belonging to the best breeding ranks provide high selection differentials of living mass (8.1 kg, or 14.7%), length of staple (1.8 cm, or 17.8%), pure wool clip (0.68 kg or 20.5%). The high-performance group of ewes in living mass (kg 57,9-66,8), pure wool clip (3,72-4,26 kg), length of staple (11,2-12,7 cm.) have been formed. Animals with record figures by living mass (68 kg), length of staple (14 cm), pure wool clip (5.09 kg) are revealed.*

**Keywords:** Tavria Merino , ewes, sheep breeding differentiation ranks, wool clip, living mass.