

RATING OF THE MOLDAVIAN KARAKUL SHEEPS AFTER ONE COMPLEX SET CHARACTERS

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Abstract

The purpose of this paper was the successive description of the methodology of the complex evaluation of the breeding value of Karakul sheep, which finally allowed the development of fundamentally new Instructions for the complex rating of Moldavian Karakul sheep. The scientific research was carried out on the biological material of pure-breed Karakul sheep, imported from Central Asian countries, as well as cross-breed sheep (Tuşca x Karakul) of different generations, obtained from crosses, within the research programs of the National Institute of Animal Husbandry and Medicine Veterinary, approved by order of the State in the period 1979-2005. On the basis of multiple scientific researches in the Republic of Moldova, official instructions (approved by the Order of the Ministry of Agriculture and Food Industry) have been developed, for rating with principles of genetic amelioration of Moldavian Karakul sheep, which represent a normative act in the field that must be implemented by breeding farm owners from this sheep race. In the respective normative act, the methodological procedures for the complex rating of Moldavian Karakul sheep are described according to the three particular characters (pelt quality, body mass and milk production) and the deduction of the general class of the sheep, which reflects the complex value of the animal. In order to objectively evaluate the level of development of the selected morpho-productive characters, for each particular character (pelt quality, body mass, milk production) the minimum standards of inclusion in the respective value categories (classes) were elaborated. The mandatory implementation of complex rating sheep in all breeding farms and, optionally, in some production farms, contributes to the genetic amelioration of the Moldavian Karakul sheep populations in the country and the increase of their productivity.

Key words: *Sheep, Moldavian Karakul, rating, characters*