

THE PRODUCTIVE and REPRODUCTIVE QUALITIES of SHEEP of TAURIAN TYPE ASCANIAN FINE FLEECE BREED

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Further efficiency of the sheep industry is based not only on additional capital investments, improvement of the processing methods, but also on the using of modern methods of breeding and selection to produce high quality wool and increasing its clip. In this case the main role plays the development of methods for increasing of the ewes breed fertility.

Given that the level of reproduction quality largely determines the efficiency of the industry, it appears urgent to develop breeding techniques aimed at increasing high reproductive capacity inherent in these animals.

An important role in improving the reproductive qualities plays not only the genotype of parents, but also breeding methods, interaction "genotype × environment".

It has been determined that the level of the development of phenotypic variability signs of the performance indicators of ewes, which have been breeding in the south of Ukraine, is at a high level, and it describes the intensity of selection for the last 45 years. So the indexes of the ewes live weight at the age of three years in the 80-ties years were 53,47kg, and rose to 58.36 kg ($P > 0.05$) in 2015. The clip of greasy wool has risen from 6.77 to 7,30kh ($P > 0.05$), washed wool - from 2.84 to 3.74 kg ($P < 0.001$), length of hair - from 8.99 to 10.65 ($P < 0,001$), the level of the breeding work and the changes of environmental factors (climate, levels of feeding etc) both are determined these data.

It is established that the ewes of Taurian Type of Ascanian Fine Fleece sheep breed according to their reproductive qualities have

potentially prolificacy, this index of the animals exceeds one hundred percent (108.7 - 122.7). This index is the largest among the sheep, which born twins' lambing, they are more often realizing the potential fertility compared with those ewes, which are single born. The survival of lambs of the studying groups was 90 - 93%, but significant differences were not found. The business output of lambs per 100 ewes meet satisfactory level and exceeded 100%.

The index of "exit lambs per 100 ewes" is mainly influenced age of ewes, their linear affiliation and the interaction "age × type of growth". It has been established that the ewes up to 3 years age of rapid type of growth have the much higher reproduction qualities compare to the older ewes and ones of the slow type of growth.

Keywords: Taurian type sheep, ewes, productivity, reproductive qualities.