

# The Relationship of Body Length and Width of Karakul Lambs

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**Abstract.** The article highlights the results of studies to determine the boundaries of the influence of body size on the length and width of curls of the Karakul lambs.

**Keywords:** Karakul sheep, lambs, Karakul skins, body size, curl length, curl width

It is important to ensure the high expression of flower length and width, which are among the important selection traits in cattle breeding, which are the main parameters determining the value of cattle skins. In addition to the large size of the lambs, the appropriate length and width of the flower is an important factor that indicates the breeding value of the sheep. Among the many factors affecting the formation of these characteristics, the size of the body of the blackbird occupies a significant place. Because this sign has a direct effect on the length and width of the flower, as well as through other signs. In this regard, it is important to pay attention to lambs when carrying out selection work on the length and width of flowers.

**The purpose of the study.** It is a study of the manifestation of selective characters such as flower length and width in black-colored lambs of different sizes under Kyzylkum conditions.

**Research methods.** The research work was carried out in Karakol sheep belonging to the high classes of different flower types of pure color of sur color bred in "Yangikazgan Nurli Diyor" LLC of Navoi region. Zootechnical, statistical analysis methods are used in the performance of works.

Evaluation of selective traits in lambs was carried out in accordance with the "Manual for conducting breeding work and evaluation (auditing) of lambs in Poultry" (2015). Generations were divided into large (above 4.5 kg), medium (3.5-4.5 kg) and small (up to 3.5 kg) groups according to live weight, and the expression levels of flower length and width were studied.

The average arithmetic index ( $\bar{X}$ ) of the degree of manifestation of signs and its error ( $S\bar{X}$ ) were determined using the statistical method (N.A. Ploxinskii, 1969).

**Research results.** The length and width of flowers can be included among the main parameters determining the breed of sheep in cattle breeding. The longer the flowers are, the stronger the mid-latitude, the higher the breeding value of the lambs.

The high level of manifestation of these valuable signs depends on many factors. The most important of these factors is the correct and rational use of the breed of sheep and the related characteristics determined by it. These factors make it possible to speed up the breeding process of Karakul sheep and significantly increase its efficiency.

The length and width of the flowers are important among the selective traits that determine the quality of Karakol skins. In addition to good expression of other floral characteristics, short and narrow or excessively wide flowers reduce the market value of lambs and goatskins.

It is known that lambs of different sizes differ from each other in the length of the wool cover. The length of the wool-fiber affects the length of the flowers. Therefore, the length and width of the flowers, in turn, have a certain degree of correlation with the size of the lambs. From this point of view, studies were conducted to determine the influence of the size of lambs on the manifestation of these indicators. The results are summarized in Table 1.

Table 1  
Flower width and length in lambs of different sizes, % ( $\bar{X} \pm S\bar{X}$ )

Indicators	Size of lambs		
	Senior (n=190)	Medium (n=81)	Small (n=64)
Flower length:			
long	27,4±3,23	34,6±5,28	21,9±5,16
medium	50,5±3,62	48,1±5,55	48,4±6,24
short	22,1±3,01	17,3±4,20	29,7±5,71
Flower width:			
big	37,9±3,51	19,7±4,41	17,2±4,71
medium	46,8±3,61	64,2±5,32	56,3±6,20
small	15,3±2,61	16,1±4,08	26,5±5,51

Studies have shown that there is generally a significant and variable correlation between the size of lambs and their flower length and width. This situation can be seen in the manifestation of the studied indicators in lambs of different sizes. Generally there are superior results in lambs of all sizes. The highest result in flower length was recorded in medium-sized lambs (34.6±5.28), and the lowest in small-sized lambs (21.9±5.16). In medium-sized lambs, it was found that the weight of long and medium-length lambs is 94.4 percent.

It can be seen that the weight of lambs with medium-width flowers in all eye sizes was high, 46.8-64.2 percent, which indicates that the targeted breeding efforts have been focused on medium-flowering over the years.

Summary. There is a significant relationship between the size of the body of Karakol lambs and the length and width of the flower, which should be taken into account in the selection process.

#### List of used literature:

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