

QUALITY INDICATORS OF WOOL FIBER

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ANNOTATION

The article examines the quality of red and black lambs in diamond and silver colours, as well as data from observations of similarities and differences in the results.

Keywords *Wool-fiber, silkiness, shine, flower types, correlation.*

INTRODUCTION

It is known that many valuable features should be taken into account when conducting selection work in Karakul sheep. In particular, wool quality indicators are important features to be taken into account in the selection process.

It is known **that the** quality of wool fibre includes silkiness and cluster.

The silkworm content of wool fibre is characterized by 3 indicators, such as strong, medium and low silkworm (Guidelines for breeding and evaluation of lambs in Karakul ", S.Yu. Yusupov et al. 2015). The quality of wool of Karakul sheep has been studied by many scientists in their research.

According to the results of the study of BS Mamatov (2021), 92.5% of the offspring from Sur Karakul sheep were characterized by strong (42, 6, 5, 10) and normal silkiness, 93.6% with strong and normal (44.7).

According to G. Kukenov (2009), in the selection of red-haired sheep, in addition to the selection of colour and variety, the quality of flower and wool cover (in terms of silkworm and cluster) is important. The low level of expression of one of these two groups reduces the quality of the inherited sheep feed.

In M. Nazarova's (2020) research, the quality indicators of wool fibres, ie silkiness and lustre, are important selection traits that determine the pedigree value of lambs. The low expression of silkiness leads to a decrease in glare, as well as the presence of strong and functional correlation coefficients ($r = 0.65-0.88$) between these two indicators. The purpose of the study. A comparative study of the quality indicators of wool fibres of different colours.

OBJECT AND METHODS OF RESEARCH

The object of the study was to select red-eyed lambs in different colours, ie diamond and silver, as well as trumpet skins obtained from them. The study used generally accepted zootechnical and statistical methods. Evaluation of the type of flower, class, silkworm, lustre and several other indicators of quality of lambs. The obtained numerical data were processed by the methods of variational statistics (NA Plokhinsky 1969).

RESEARCH RESULTS

The results show that silkiness and cluster are important quality indicators. It is known that the skin of blackbirds is divided into semicircular, flat, ribbed and pubic flowers, depending on the shape and quality of the flowers, their silkiness, lustre and other characteristics. The results of the study showed that the indicators of silkworm and glitter also play an important role in the division into flower types, in particular, the silkworms, which are characteristic of flat flowers, have a semi-circular and glossy shape.

Table 1 shows the expression of wool silkiness in diamond and silver-coloured lambs in the range of flower types.

Table 1

Silkworms of wool of different colours

Barra types	n	Wool fibre silk,%					
		Diamond			Silver		
		Strong	Medium	Low	Strong	Medium	Low
		$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$
Half circle	97	48.9 $\pm$ 5.17	46.8 $\pm$ 5.06	4.2 $\pm$ 2.03	48.0 $\pm$ 5.07	46.0 $\pm$ 5.06	6.0 $\pm$ 2.41
Rib-shaped	86	42.8 $\pm$ 5.33	47.6 $\pm$ 5.38	9.5 $\pm$ 3.16	43.1 $\pm$ 5.34	47.7 $\pm$ 5.38	9.0 $\pm$ 3.08
Flat	104	52.8 $\pm$ 4.89	41.5 $\pm$ 4.83	5.6 $\pm$ 2.19	50.9 $\pm$ 4.90	41.1 $\pm$ 4.82	7.8 $\pm$ 2.62

From the table data, it can be seen that the skin of lambs of flat flower type has a slightly higher silkiness than the skin of semicircular and ribbed flowers, and no significant differences were observed between the other types of flowers.

The lustre of the wool of Karakul lambs is an important quality, and there is a correlation between the type of flower and the type of flat flower. The results of the study on the lustre of wool fibre are given in Table 2.

Table 2

The lustre of the wool of the lambs of different colours

Barra types	n	One-to-one league,%					
		Diamond			Silver		
		strong	medium	low	strong	medium	low
		$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$	$\bar{X} \pm S\bar{X}$
Half circle	97	46.9 $\pm$ 5.06	42.8 $\pm$ 5.02	10.2 $\pm$ 3.07	50.0 $\pm$ 5.07	43.7 $\pm$ 5.03	6.25 $\pm$ 2.45
Rib-shaped	86	44.4 $\pm$ 5.36	46.6 $\pm$ 5.37	8.88 $\pm$ 3.06	48.7 $\pm$ 5.38	43.9 $\pm$ 5.35	7.31 $\pm$ 2.80
Flat	104	51.8 $\pm$ 4.89	44.4 $\pm$ 4.87	3.70 $\pm$ 1.85	54.0 $\pm$ 4.88	40.0 $\pm$ 4.80	6.0 $\pm$ 2.32

In this case, you can see that the lambs of diamond and silver colours are characterized by a high degree of lustre and a marked difference in the types of flowers.

From the above results, it can be concluded that it is advisable to use high-grade sheep of all types of flowers, diamond and silver-coloured, at low rates.

LITERATURE

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