CHARACTERISTICS OF LACTATION OF BUSHUEV BREED COWS

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ABSTRACT

This article presents information on milk yield and characteristics of lactation of cows of the Bushuev, Holstein breeds, and cows of the first generation G'1 generation obtained from the mating of cattle of this breed.

KEYWORDS: *Cattle, Cow, Bushuev Breed, Holstein Breed, Lactation, Lactation Curve, Lactation Period, Duration Of Lactation, Milk, Milk Quantity, Coefficient Of Continuity.*

1. INTRODUCTION

It is important to use the genetic potential of cows unique to the world gene pool to satisfy the demand of the population of our republic for dairy products. It is appropriate to use the seeds of Holstein bulls, the world leader in terms of productivity typical of the world gene pool, to improve the Bushuev breed of cattle created in our republic and to increase milk productivity.

In view of the above, in our research, the milk yield of G1 first generation cows obtained from interbreeding of Holstein and Bushuev cattle was studied.

2. Materials and Methods

In order to ensure high milk productivity of cows, the characteristics of the smooth passage of their lactation are also important. Taking this into account, in our research we studied the milk yield of Bushuev cows during the 305-day.

Lactation period, the monthly milk amount, the coefficient of the milking period and the index of the decrease in the amount of milk using generally accepted methods in zootechnics. Our research was conducted in a herd of cows at the breeding farm "Turon Ravnak Baraka" in Sirdarya District, Syrdarya Region.

3 Results And Discussion

Three groups of 12 cows in lactation III and above were selected for the study based on the requirements of similar signs. Their feeding and care conditions were the same. Cows of the first generation G'1 generation obtained from the mating of Bushuev and Holstein cattle were allocated to group I, pure Holstein cows to group II, and pure Bushuev cows to group III.

The table shows the monthly milk volume of the cows in the experimental groups, the constant coefficient of the milking period and the index of the decrease in milk volume.

As can be seen from the table data, regardless of body structure and productivity direction, the highest monthly cows in all groups were observed in the 2nd month of lactation. In particular, the amount of milk in the second month of cows in group I was 14.4% of the amount of milk during lactation, in group II - 13.89%, and in group III - 14.90%.

Also, it can be seen from the presented table that the milking period of cows in all groups was uniform, and it was observed that it was sufficiently high until the fifth month of lactation, and gradually decreased to the six month.

TABLE CHANGES IN MONTHLY MILK VOLUME, COEFFICIENT OF MILKING PERIOD CONSTANCY AND INDEX OF DECLINE IN MILK VOLUME DURING LACTATION OF COWS IN EXPERIMENTAL MARES

	Groups								
	Ι			II			III		
Months		Longing			Longing			Longing	
of	The	constant	Milk reduction index, %	The	constant	Milk reduction index, %	The	constant	Milk reduction index, %
lactatio	amount	coefficie		amount	coefficie		amount	coefficie	
n	of milk,	nt of the		of milk,	nt of the		of milk,	nt of the	
	kg	period		kg	period		kg	period	
		cient			cient			cient	
Ι	413.9	100.0	67.9	512.1	100	71.6	400.0	100.0	76.3
II	609.4	147.2	-	715.2	139.6	-	524.1	131.0	-
III	527.7	86.6	86.6	628.2	87.8	87.8	473.5	90.3	90.3
IY	482.0	91.3	79.1	593.1	94.4	82.9	427.9	90.4	81.6
Y	453.6	94.1	74.4	564.2	95.1	78.8	402.2	93.9	76.7
YI	411.7	90.8	67.5	533.1	94.4	74.5	365.6	90.9	69.7
YII	384.7	93.4	63.1	505.1	94.7	70.6	347.9	95.1	66.4
YIII	353.8	91.9	58.0	473.4	93.7	66.1	313.9	90.2	59.9
IX	325.0	-	53.3	412.7	-	57.7	277.3	-	52.9
X	270.4	-	44.4	281.3	-	39.3	241.7	-	46.1
Accordi									
ng to									
the	4232.2	99.4	-	5218.4	99.9	-	3774.1	97.7	
milking									
period									

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Description. Change in the lactation curve of cows by months



A uniform change in the monthly milk volume of cows in the experimental groups is also shown by the index of the decrease in milk volume, which decreased by 44.3% in group I, 39.3% in group II, and 46.1% in group III from the peak of the second month to the tenth month of lactation.

The figure shows the change of the lactation curve of cows in the experimental groups by months. It can be seen from it that in cows of all groups, the peak of the milk content of lactating cows is observed in its second month, and after that it gradually decreases in autumn.

4 CONCLUSIONS

Thus, the results of our research showed that regardless of the breed of the cows in the experimental groups, their milking period was the same, and the amount of milk peaked in the second month of lactation and gradually decreased.

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