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Transmission of Lactation of Simmental Cows

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Annotation: *The study examined the lactation characteristics of cows of different breeds of Simmental breed. Regardless of the type of production, lactation of cows was observed to be uniform and the highest monthly milk yield was observed in group I cows in the third month of lactation, in groups II and III in the second month, remained high until the sixth month and then gradually decreased.*

Introduction

The milk yield of cows also depends on the smoothness of their lactation. The smooth course of lactation also depends on the change in the amount of milk per month of lactation, the change in the coefficient of continuity of the lactation period, the index of decrease in the amount of milk per month. Therefore, the study of the lactation characteristics of cows during the months of lactation is of great practical importance in increasing their milk productivity.

The aim of the study was to study and evaluate the characteristics of the lactation of cows of different breeds with different production types over the months.

Research methods. The research was conducted on the cattle breeding farm "Sevar" in Pastdargom district of Samarkand region. The object of research was Simmental III lactation cows imported from Ukraine. For the study, 12 lactation III cows were selected from each of the three groups based on the requirements of similarity criteria. The feeding and care conditions were the same for all groups of cows. The characteristics of milk yield and lactation in cows have been studied using generally accepted methods in zootechnics.

Research results. Table 2 shows the monthly lactation rates of Simmental heifers of different production types.

Table 2. Changes in the amount of monthly milk, the coefficient of continuity of the milking period and the index of decrease in milk yield in III lactation of cows

Month	Group								
	I			II			III		
	Monthly milk supply, kg	The coefficient of continuity of the milking period	Milk volume decline index	Monthly milk supply, kg	The coefficient of continuity of the milking period	Milk volume decline index	Monthly milk supply, kg	The coefficient of continuity of the milking period	Milk volume decline index
I	396	100,0	66,5	385	100,0	78,2	363	100,0	75,6
II	518	130,8	87,0	492	127,8	-	480	132,2	-
III	595	144,9	-	463	94,1	73,6	442	92,1	92,1
IV	502	84,4	84,4	430	92,9	87,4	395	89,4	82,3
V	475	94,6	79,8	388,5	90,3	79,0	346	87,6	72,1
VI	394	82,9	66,2	323	83,1	65,6	291	84,1	60,6
VII	365	92,6	61,3	288	89,2	58,5	245,5	84,4	51,1
VIII	324	88,8	54,4	236	81,9	48,0	200	81,5	41,7
IX	288	-	48,4	222	-	45,1	184	-	38,3
X	220	-	37,0	177	-	36,0	172	-	35,8
Overall	4077,0	102,3	-	3404,5	94,9	-	3118,5	93,9	-

As shown in Table 1, the highest monthly milk yield was observed in the third month of lactation in group I cows, which was 14.59% of the milk yield in lactation, the highest monthly milk yield in group II was determined in the second month of lactation, and 14.45%, in group III this figure was also observed in the second month of lactation, which was equal to 15.39% of the total amount of milk in lactation.

Confirmation of this information can be seen in Figure 1. Analysis of the data in this picture shows that in all groups, the milk yield of cows remained good until the sixth month of the milking period, and then gradually decreased.

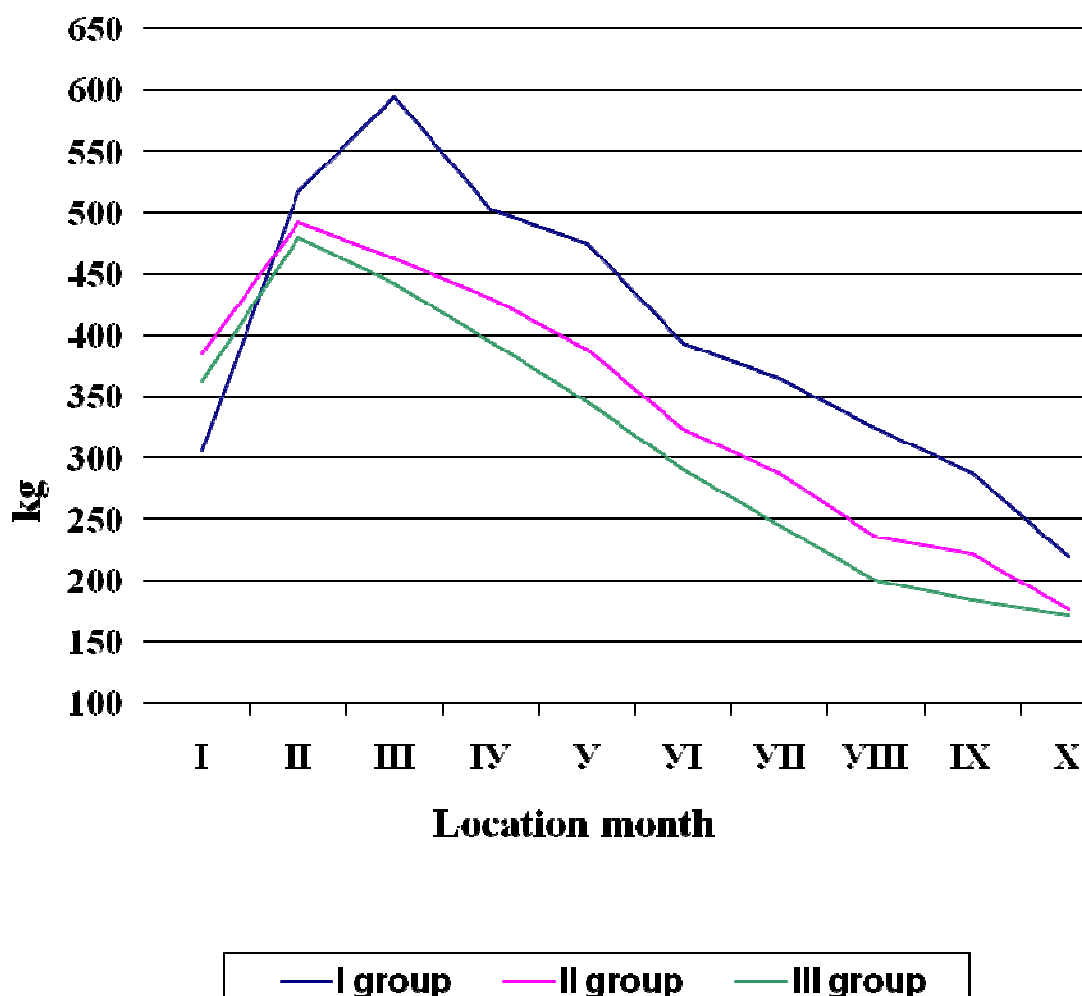


Figure 1. Changes in the lactation curve of cows

Thus, the research showed that in the conditions of the republic, the lactation of imported Simmental cows was carried out at the level of the norm, regardless of the type of production of the body.

Conclusion

The results of the study showed that the milking period was uniform in all groups, regardless of the type of production of Simmental cows, and they showed a good level of milk production.

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