



DYNAMICS OF GROWTH AND DEVELOPMENT OF HORSES OF THE KARABAIR BREED

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Abstract

This article presents the growth and development of foals of Karabay horses bred in our country, as well as their daily, absolute and relative growth rates.

Keywords. Breed, pasture, selection, foal, absolute weight, relative weight, skin.

Introduction

As in other sectors of the national economy of our country, when creating horse breeding, it is important to focus on the development of effective solutions, improving selection and breeding production and processing of production technology in it.

Horse breeding plays an important role in meeting the needs of the population of our republic in meat and dairy products, which is growing day by day, as well as in the production of leather goods and bioproducts from them as a labor force, in sports, and in industry. Therefore, the improvement of horse breeds, the sale of horses, including the increase in productivity and livestock, are considered one of the important tasks in the development of horse breeding.

The main part of horses existing in Uzbekistan are horses of the Karabayir breed, which are well adapted to local conditions and differ in a wide range of products and use in various directions, and are also the only national breed of horses.

Karabair horses are adapted to the pasture conditions of Uzbekistan and graze on pastures almost all year round. The development of pastures in recent years has led to the reduction of pastures, which has led to their development in stable conditions, such as livestock.

Main Part

Horse growth is divided into embryonic and postembryonic periods. The study of their growth in the embryonic period requires the use of complex and special methods. In the postembryonic period, this process can be studied using visual observation, weighing, measurement and mathematical methods. However, the study of how living organisms grow in both periods is very important and requires great skill. In studying





these specific processes, we study the growth patterns of all animal embryos and use them in our work to meet our needs for various products. Our focus was on the growth of children and the changes that take place in it. Before carrying out these works, all newborns were registered, appropriate zoogenic measures were taken, and they were separated from their mothers.

After a while, the children themselves begin to suckle their mothers. However, this process was regularly monitored within two weeks after birth, and, if necessary, appropriate measures were taken. Information about this is presented in Table 1.

Table 1 Live weight dynamics of Karabair horses

Age of horses	Male				Female			
	Starting weight in kg	Absolute height in kg	Daily gain in kg	Relative growth %	Starting weight in kg	Absolute height in kg	Daily gain in kg	Relative growth %
1 day	39±2,5	-	-	-	37,0±1,7	-	-	-
1 month	74,5±2,7	35,5±2,0	1,18±0,09	62,50	69,0±3,0	32,0±1,8	1,07±0,08	60,38
6 months	160,06±2,5	121,6±2,6	0,68±0,05	121,80	156,5±3,5	119,5±2,4	0,66±0,6	123,5
12 months	175,5±3,9	136,5±2,1	0,38±0,09	127,00	171,6±4,6	134,6±2,3	0,37±0,28	129,05
18 months	260,5±4,5	256,6±3,0	0,47±0,08	171,30	252,5±5,8	215,5±2,9	0,4±0,09	148,88
5 years	420,0±5,6	159,5±4,0	0,09±0,02	44,5	400,0±0,6	147,5±3,0	0,08±0,04	43,2

As can be seen from the table, the weight of males and females was significantly higher in all periods of the study. In a comparative study with males and females, it can be noted that the difference between them in terms of absolute daily gain was in favor of male horses. It is clear that male horses surpass their female counterparts in live weight: 2 kg at 1 month – 5,5 kg, 1 kg at 6 months, 1,9 at 12 months and 41,1 kg at 18 months. However, this difference in relative height was in favor of females before 12 months of growth. In the first periods at the age of 1-6-12 months, the difference is significant, but as the females grow older, the difference becomes in favor of the males, and at 18 months the difference between them is 22,48 or more.



Summary

The growth rate of horses changed rapidly up to 6 months of age, and this condition leveled off in adult horses, which increased in males by 6.6 times and in females by 6.8 times relative to the initial weight.

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