

M. KOHUT, V. FEDAK

Institute of Agriculture of Carpathian Region of NAAS

DEVELOPMENT OF HEIFERS VARIOUS LINES OF SIMMENTAL BREED

For realization of breeding work in dairy farming is important to the proper rearing of young stock. Particular attention should be given to development of repair heifers. In the process of growth heifers must have alive weight of not lower the standard of the breed. In the western region combined breed Simmental is reared. The study of Simmental heifers of Precarpathians is important for the formation of future milk production in future cows.

In this article we present the growth parameters of Simmental heifers Precarpathian main lines, further rearing which is promising. Heifers all three lines answered to standards of the breed. By increasing of body weight in postnatal ontogenesis of heifers the best performance was in line heifers Horror. At 6 months of age descendants of bull Vikht 932375371 (line of Horror) dominated. By live weight peers with line Romulyus on 12,6 kg, or 7,3 % ($P<0.01$), aged 9 months - 30 kg (11,9 %, $P<0.001$) at 12 months - 35,5 kg (10,9 %) in 15 months - 38,2 kg (9,3 %) with high statistical significant difference ($P<0.001$).

The heifers - daughter of bull Imago 997169727 (line Redad) in all studied age periods, in contrast to peers descendants of bull Vikht 932,375,771 from the line Horror have a much smaller advantage in live weight to the daughters of bull Rochelle 936,647,732 (line of Romulyus): in 6 months - 8,2 kg (4,7 %) in 9 months - 8,0 kg (3,2 %) in 12 months - 11,7 kg (3,6 %), in 15 months - 12 kg (2,9 %). A statistically significant difference was only in 6 months of age.