

COMPARATIVE DESCRIPTION OF FIRST-CALF COWS UKRAINIAN RED- AND BLACK-AND-WHITE DAIRY BREEDS BY BODY MEASUREMENTS

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In the selection process for further Ukrainian dairy breeds improvement by the exterior type the estimation of animals after measuring by the parts of body takes an important place. Next to the indices by milk productivity, an exterior is the main from selection traits. The use of measuring of cows in their correlation, expressed by the sizes of indices, allows to set the level of harmonious development of the separate part of body in a general body construction of animals. The next aspect of explained of estimation of cows after an exterior consists in existence of positive correlation of most measuring with milk productivity.

Analyzing literature sources by this problem showed necessity of researching this problem by comparative analyzing of two domestic dairy breeds: Ukrainian Red and White dairy and Ukrainian Black and White in the conditions of one herd .

Results of researches. The results of estimation of first-calf cows of pedigree factory are resulted from breeding of Ukrainian red- and black-and-white dairy breeds after measurings and indexes of build. The modern consisting of exterior of animals of experimental breeds after measurings of height in withers (132,6 and 133,3 see) and sacrum (142,4 and 143,3 see), depth (71,6 and 73,4 see), width (44,4 and 43,1 see) and circumference (188,5 and 191,2 see) of breasts, width in pelvis-crurals coarticulations (50,0 and 50,4 see) and buttock humps (35,1 and 36,1 see) testifies in a sufficient degree, that the cows of this herd after the growth and development behave to the large animals with the well developed

thorax, wide and long back. The first-calf cows of the Ukrainian black-and-white dairy breed with a reliable difference exceed the persons of the same the age of Ukrainian red-and-white dairy on by the signs of depth of breasts, trunk, width in buttock humps, by obliquely length of trunk and circumference of breasts. The first-calf cows of the Ukrainian red-and-white dairy breed are more broad-breasted from something to what the indexes of build testify more thick skeleton – pelvic-breast (85,2%), thoracal (62,1%), broad-chested (33,5%) and to the boniness (14,1%), after which they for certain prevail the persons of the same the age of the Ukrainian black-and-white dairy breed accordingly on 3,2; 3,4; 1,2 and 0,4%. It is showed, the positive dynamics of harmonious development of the articles of cows is set in the process of forming of exterior of animals of control breeds in direction of dairy type.

Intensity of development of organism of dairy cattle in postnatal ontogenesis at corresponding level characterize the length measuring of animals substantial character. Middle level of height in the withers of first calving cows Ukrainian Red, Black and White milk breeds (132,6 and 133,3 sm) and in sacrums (142,4 and a 143,3 sm) testify to the medium conditions of young animals growing with better indices of the animals of the Ukrainian black and white milk breeds.

Measuring of circumference of fetlock represents a skeletogeny and somatotype definitely. The middle indices of measuring of circumference of fetlock got on results researches certify that animals on this stage of selection differ in a strong dense somatotype with the best expression of dairy type of cows of the Ukrainian Black and White dairy breed, in which difference a 0,4 sm reliable in comparing to the persons of the same age of Ukrainian Red and White breed ($P < 0,001$).

General development of thorax at first cows of herd under research is good enough, with the middle indices of pectoral index.

The index of boniness allows a selectionist to imagine differences in relation to relative development to the skeleton. With diminishing of thickness of the skeleton of the estimated animal, accordingly and the index of this index

diminishes and vice versa. For the cows of dairy type characteristic less index of index of boniness.

In general, level and changeability of measuring of the body and indices of build first calf cows of Ukrainian Red or Black and White dairy on the modern stage of selection testify the positive dynamics of forming of exterior of animals in direction of dairy type. Cows are characterized by the well developed thorax, wide and long back. After separate sexes and indices builds which characterize a dairy type, cows of Ukrainian Red or Black and White dairy were the best.

Conclusions. The first calf cows of Ukrainian Red or Black and White dairy breeds by the indices of body measuring are characterized by excellent development of body, level and changeability of indices, on the nowadays stage of selection, testify to the positive dynamics of animals exterior forming in direction of dairy type.

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