

COMPARISON OF DIARY PRODUCTION AND REPRODUCTION INDICATORS OF SELECTED BLACK AND WHITE, HOLSHEIN COWS AND THEIR F1, F2, F3, AND F4 GENERATIONS

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Summary. This article deals with the data related to black and white as well as Holshtein strains of selected cows and various hybrids of various generations (F), which do not possess the similar share of blood composition owned by the cows of Holshtein strain. The analysis of dairy production, reproduction, and other major indicators during the best and the final process of lactation is presented. Holshtein selected cows surpassed pure-blood black and white cows as well as hybrid cows of different generations on the basis of various indicators related to dairy production. But the impregnation index of black and white cows, as well as of hybrid ones which possessed more than 50 % of Holshtein cows' blood share was worse than that of the pure-blood black and white, as well as of hybrid cows which had a smaller share of the latter strain's blood.

Keywords: cattle, strain, Holshtein, interbreeding, selected cow, dairy production, reproduction.