

COMPARISON OF THE PERFORMANCE OF BRITISH FRIESIAN, BLACK-AND-WHITE GERMAN AND BLACK-AND-WHITE LITHUANIAN BREEDS OF COWS

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Summary. Twenty cows of the British Friesian breed of the 1st 2nd and 3rd lactation and twenty ones of the Black-and-white German breed of the same lactation have been subjected to the performance analysis and later compared with the analogic results obtained from the Black-and-white Lithuanian cows of the control group. The correlation coefficients of production traits have been calculated.

The research showed that during the lactation periods an average milk yield in the British Friesian and Black-and-white German breeds exceeded the average milk yield of the Black-and-white Lithuanian breed by 25,12 to 15,70 and 24,22 to 14,32 percent respectively. During the lactation periods the butterfat content of the milk of British Friesian and Black-and-white German cows exceeded the index shown in Black-and-white Lithuanian breed by 16,0 to 9,1 and 21,6 to 14,3 percent respectively.

Very high positive correlation between the milking capacity and the milk protein content has been established among all the breeds of cows, ranging from $r = +0,974$ to $r = +0,763$. British Friesian and Black-and-white German cows will be used to raise a Holsteinized Black-and-white Lithuanian type, which would distinguish itself in good udder and milking qualities, high milking capacity, butterfat and protein content of milk.