

PRODUCTIVITY CHARACTERISTICS OF LITHUANIAN RED COWS BREED AND THEIR INHERITANCE COEFFICIENTS

Vida Juozaitienė
Lietuvos Veterinarijos Akademija,
Tilžės g. 18, LT-3022 Kaunas, tel. 36 35 75

Summary. The data on the productivity of Lithuanian Red breed fresh cows controlled in 1990–1997 was calculated and estimated statistically.

The best productivity indicators of Lithuanian Red breed cows was achieved in 1990–1991. Fresh cows of winter calving were among the most productive ones in Lithuania.

Slight positive and negative reliable coefficients of the phenotypic correlation among the age of cows during the first calving and their milk yield, milk fat and albumen production (kg) was determined. For the above mentioned milk production indicators of Lithuanian Red breed cows moderate inheritance coefficients ($h^2=0,20-0,24$) were found to be most characteristic.

Keywords: Lithuanian Red, milk yield, milk fat, milk albumen's, age at first calving, phenotypical correlations, inheritance coefficients.