

PRODUCTIVITY DEPENDENCE UPON AGE OF DIFFERENT GENOTYPE COWS

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Summary. Productivity dependence upon age of different genotype cows was investigated in this work. The investigation was carried out in Practical Instruction and Research Center of Lithuanian Veterinary Academy.

Parentage and performance was compared using the 1997 -2001 year's cards data of former cows. Was analysed 82 Lithuanian Black - and - White, 160 German Black - and - White, 5 Black - and - White Dutch and 5 Danish Black - and - White cows milkability in all lactations: milk fat and protein amount, milk fat content and protein content of milk. Was calculate data of the same cows in different lactations.

Was established that milk production change of different genotype cows depending on age was diverse.

Milkability of Lithuanian Black-and-White, German Black-and-White, and Black-and-White Dutch cows was increased until V-VI lactation (6-8 years old), later – on 2-3 lactation was almost the same and after – begun to decrease.

Productivity of Danish Black-and-White cows was the best on the III lactation.

Milker cows are economic to keep until VI-VII lactation in Practical Institution and Research center of Lithuanian Veterinary Academy.

Milk fat content and protein content of milk many of young cows were bigger than old cows.

Was observe, that milk protein amount from III lactation decrease all of genotypes cows.

Estimate cows according to protein content of milk it is necessary take account on the age.

Keywords: cows, genotype, age, productivity.