

THE SELECTION-GENETIC ASPECTS OF THE REPRODUCTION CHARACTERISTICS OF LITHUANIAN WHITE PIGS

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Summary. Performed the evaluation of the statistical reproduction characteristics of the Lithuanian breeding pigs. These characteristics were influenced under sow's breed – 3.7-13.2%, boar's breed – 0.7-4.5%. For the reproduction characteristics of the Lithuanian White Pigs breed the largest influence of all non-genetic factors had a farm (9.5-27.9%) and coupled sows and boars lifetime, selection and couple types influenced unimportant. The reproduction characteristics of the Lithuanian White Pigs breed were influenced statistically reliable for the fixed genetic factors – family (18.5-5.5%) and line (10.4-4.8%).

For eliminate of the influence of non-genetic factors for the reproduction characteristics of the Lithuanian White Pigs, it was determined optimum combined effect – farm-year-month (26.4-56.5%). The analysis of coefficients of a phenotype's correlation for the reproduction characteristics of the Lithuanian White Pigs sows a large positive connection among born live piglets and quantity of piglets at the age of 21 days old ($r_p=0.94$) and among the sows' milk-yielding capacity and quantity of piglets at the age of 21 days old ($r_p=0.58$). It was determined the nonessential positive and negative phenotype's correlation coefficients among the reproduction, feeding and meat characteristics among the Lithuanian White breed pigs.

Keywords. Lithuanian White Pigs breed, reproduction characteristics of pigs', feeding and meat characteristics, phenotype's correlation, analysis of variance, influence of non-genetic factors.