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GROWTH AND CARCASS VALUE OF ORIGINAL PIG POPULATIONS EVALUATED BY IN VIVO AND POST MORTEM METHODS

RŮST A JATEČNÁ HODNOTA VÝCHOZÍCH POPULACÍ PRASAT POSUZOVANÁ METODAMI IN VIVO A POST MORTEM

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ABSTRACT

At a pig progeny testing station growth and production traits were examined in 38 pigs (20 animals of Large White /LW/ breed, 18 animals of Large White breed – paternal line /LWp/) using methodical instructions for performance testing and testing of purebred progeny. Richards function was applied to calculate the parameters and characteristics of growth curves that document a change in the production type of both breeds towards a markedly meat type in the course of 10 years. The changes were reflected in an increase in the lean content on average by 3% in LW breed and by 2.7% in LWp breed. This positive trend is documented by the results measured by in vivo and post mortem methods. Both groups of methods of measuring lean percentage provided a good coincidence of the results; therefore the instrument SONOMARK-100 can be recommended for an early estimation of breeding value in growing pigs.

KEY WORDS: pig, breed, growth, carcass value, lean content

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