

The results of performance test regarding to fat and meat traits of crossbred gilts of different growth rate

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Summary

The aim of the paper was to analyze the performance test results regarding to fat and meat traits of 51.802 crossbred gilts of different growth rate, coming from two following crossing variants, where the sow breed was given in the first position: PLW x PL and PL x PLW. The animals came from The Bydgoszcz Breeding Region and they were performance- tested within the years 2004-2008.

Depending on the level of daily body weight gains standardized on 180th day of life, the young crossbred gilts were divided into two groups of different growth rate, i.e. low and high daily gains of body weight in each analyzed year. The impact of growth rate on shaping fat and meat traits of crossbred gilts in particular years was diverse. In total results' summary from years 2004-2008 it was clearly proved that the tested crossbred gilts PLW x PL and PL x PLW of high daily gains of body weight had thinner backfat in P2 point and thicker backfat in P4 point as compared to the animals of lower growth rate. More favourable result of the height of loin eye was observed in the pigs with high daily gains of body weight as compared to the animals of lower grow rate. Higher body meat content was recorded in gilts of low growth rate as compared to the pigs of high daily gains of body weight. The gilts coming from the both tested crossing variants of high growth rate had significantly higher value of performance test selection index, thus higher breeding value than the animals with low daily gains of body weight.

KEY WORDS: pigs / crossbred gilts / growth rate / fat content / meat content