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Meatiness and morphological composition of carcasses from fatteners of Landrace and Landrace x Yorkshire Danish maternal lines

S u m m a r y

The studies aimed at evaluating the muscle deposition and quality traits of carcasses from porkers of maternal lines obtained from animals imported from Denmark. Moreover, the warm carcass weight was also included into analysis. The work was conducted on 64 fatteners from two genetic groups: Landrace and LxY. Within each genetic group two weight classes were separated: 80 kg and 90 kg, with the same number of sows and boars. It has been ascertained that the use of maternal lines imported from Denmark in the Polish programme for pig breeding and production is fully justified, as those animals demonstrated a 100% resistance to stress together with a high muscle deposition, irrespectively of the hot carcass weight. Increasing the hot carcass weight by 10 kg increased the weight of basic cuts within both genetic groups. Among Landrace x Yorkshire crossbreeds the increase of hot carcass weight by 10 kg was found to decrease the meatiness by about 2.5%.