

INFLUENCE OF PROTEIN ADDITION PROTÉMIX BACON-100 ON PIG FATTENING AND CARCASS QUALITY

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Summary. The subject of the present investigation is the effect of protein addition Protémix Bacon-100 on the daily weight gain, food consumption and carcass quality. A trial was carried out with Lithuanian White and Finnish Landrace crossbred pigs (10 animals in control group and 9 - in experimental). The pigs of the control group got a ration consisting of barley and 1.5 kg fresh milk, until 4-month age and barley only for slaughter time. The pigs of experimental group were fed on a special ration containing barley and 15 %, 12 % or 10 % addition Protémix Bacon 100, according to live weight of pigs. The results of the trial indicated that pigs of the control group had average daily weight gain 425 g, food consumption per 1 kg live weight gain was 6.04 kg of concentrates. The pigs of this group had average carcass length - 97.35 cm, backfat thickness at 6-7th rib - 26.9 mm, loin lean area - 28.9 cm² and ham weight - 9.85 kg. The data of the pigs of the experimental group were: 757 - daily gain; 3.44 kg of concentrates were consumed for 1 kg daily gain; 100.15 cm - average half carcass length; 22.44 mm - backfat thickness; 35.5 cm² - loin lean area and 10.35 kg ham weight. The pigs of control group achieved slaughter weight within 254 days and pigs of experimental group - within 169 days, or 85 days earlier. The results of the trial indicated that protein addition Protémix Bacon-100 had significantly increased (78.12 %, $p < 0.001$) the growth rate, decreased the food consumption per kg gain (43.05 %, $p < 0.001$) and improved carcass quality.

Keywords: protein addition, pigs fattening, ration composition, weight gain, food consumption, meatiness.