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Organic feeding efficiency of sows of selected breeds

S u m m a r y

The aim of the study was to determine the influence of feeding the sows of different breeds with feed rations based on organic origin components, with or without fish meal and mineral-vitamin premix (containing herbs) additive, on sows' and piglets' performance and nutrients' digestibility. The investigations were carried out on 48 sows, including 12 heads of Pulawska breed, mated by the boars of the same breed, and in twelfths sows of 3 other genotypes: Polish Landrace (PL), Polish Large White (PLW) and PL x PLW crossbreeds, mated by Duroc boars. Each genotype group of sows and their offsprings were divided on two feeding groups – control (G), fed only the farm feeds and the experimental one, receiving the same diet, supplemented by fish meal and mineral-vitamin premix with herbs (G+M). Better results, regarding the digestibility of nutrients, both in case of sows and piglets, were achieved in all the experimental groups. These results prove the possibility of pretty good balance of nutrients in the organic farming. It allows for better

utilization of feeds from the farm. Also, good productive indices: number and body weight of piglets at birth, weaning and at the end of rearing (84 days) showed that fish meal and mineral-vitamin premix additive had a positive influence on piglets' rearing.