

The Effect of a Pro-Prebiotic Additive on The Quality of Pig Meat

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ABSTRACT

The research undertaken in order to determine the efficacy of the use of additives «Bilaxan», was conducted on growing pigs. To conduct the experiment on the basis of analogies, two groups of clinically healthy pigs, 30 head each, were formed. The first group served as the control group, and received the basic diet; in the fodder for the second group the probiotic «Bilaxan» in quantities of 0,30 kg/ t was added. The supplementation of the mixed fodder with the «Bilaxan» (0,30 kg / t) during the test period under production conditions has positively influenced the average daily gain of the young pigs during all growth periods (prestarter, starter, growing and finisher) respectively by 7.38; 13.72; 10.59 and 8.25%; and the absolute and average daily gain over the whole test period by 7.95 % and 7.30 % higher, with a feed consumption per kg, with weight gain by 7.53 % less compared to the animals in the CG. Compared to CG «Bilaxan» (0.30 kg / t) carcase weight increased by 6.46 %, efficiency at hot slaughter by 5.49 %, and the thickness of the fat layer decreased in the neck region by 10.9 %, the fat layer at the 6-7th thoracic vertebra decreased by 11.1 % and in lumbar region by 6.05 % compared to CG.

Keywords: Pig meat, prebiotics, yield, fat