

THE INFLUENCE OF SOYBEAN AND PEA MEAL SUPPLEMENTS ON PIG PERFORMANCE AND MEAT YIELD

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Summary. For the purpose to determine the influence of soybean and pea meal supplements, grown in Lithuania, on pig performance, meat yield and development of internal organs, two groups of 10 pigs in each were formed following the principle of analogues. The experiments were carried out with the I generation hybrids of Lithuanian Whites and Pietren breeds. Fodder mixture for pigs of the first (control) group contained 70% of wheat meal and 30% of soybean meal, heated at the temperature of 130°C. Ration for the pigs of the second (experimental) group was made of 70% of wheat meal and 30% of pea meal. The obtained results showed that pigs on pea meal increased daily weight gain by 10.97% and, respectively, after 90 days of feeding their weight was by 6.12 kg higher than in pigs on soybean meal fodder supplement. Development of internal organs, except heart, of the pigs that had received pea meal supplements was lower compared to pigs on soy meal supplements. It was established that in comparison with soybean meal, grown in Lithuania, pea meal had no essential statistically reliable influence on pig muscle development and ratio of muscles and flitch in the carcass.

Key words: soybean and pea meal, pig weight increase and meat yield.
