

Evaluation of the effect of replacing with corn by feed rice in diets on growth performances, blood biochemical values and carcass characteristics for Duroc crossbred KHAPS black pigs ⁽¹⁾

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Abstract

An experiment was carried out to compare growth performances and plasma traits of various levels of feed rice in substitution for corn in ration for Duroc crossbred KHAPS black pig (DK, KHAPS black pigs ♀ × Duroc ♂, 75% Duroc). A total of 60 KHAPS black pigs crossbred pigs, average body weight 28 kg, were used as experimental animals. Pigs were allocated into 5 treatments by body weight (BW) and fed with five diets, i.e. Control (C), graded levels substitution of corn in control diet by feed rice meal, (SC 50%, SC 75%, SC 100% and SC 100% added 0.2% iron amino acid). Feed and water were provided on *ad libitum* basis. When BW of the pigs reached approximately 70 kg, the grower pigs experiment was finished and growth performance were measured. Experiment was finished when the BW of pigs reached 115 kg. Pigs were fed the basal corn-soybean meal diet which contained CP 18.20% and DE 3,104 kcal/kg (Grower stage) and CP 16.28% and DE 3,254 kcal/kg (Finisher stage). Six pigs from each treatment were slaughtered and the carcass characteristics were measured. Growth performance, blood biochemical values and carcass characteristics of loin meat were evaluated. The results showed that various levels of rice instead of corn had no effects on growth performance, blood biochemical values and carcass characteristics.

Key words: Feed rice, Black pig, Growth performance, Carcass characteristics.

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