

# Evaluation of using Taichung Sen 17 rice grain on the diet for growing geese<sup>(1)</sup>

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## Abstract

The purpose of this study was to evaluate the effects of rice-soybean meal diet on the growth performances of White Roman geese. The experimental period was divided into 2 phases. From 0 to 4 weeks of age, the brown rice (Taichung Sen 17) was used in diet. During 5 and 12 weeks of age, the crushed rice grain was used. A total of 96 White Roman geese were divided into 4 groups, i.e. control group (A group) giving corn-SBM diet. For the other 3 groups-B, C and D, brown rice-SBM or crushed rice grain-SBM diet, 60, 80 and 100% of corn in control group diets were substituted by rice, respectively. The results indicated that at starter phase, the growth performances of the geese using brown rice-SBM diets were not poor than control group using corn-SBM diet. At grower phase, the growth performances of the geese using rice grain were also not poor than the control group, but had poor feed conversion ratio (FCR). It means that growth performances of geese using the rice-SBM diets were not poor than using corn-SBM diet. But we need to consider the effect of higher fiber content of rice grain on geese growth performances, if we try to use grain rice in geese diet. The skin color of the carcass from the geese using rice-SBM diets was paler than which using corn-SBM diet. The skin color of the D group using rice-SBM diet was significantly paler than control group of using corn-SBM diet ( $P < 0.05$ ). It indicated that the skin color of geese was affected by using rice-SBM diet. In conclusion, rice-SBM diet could be used for growing geese. Nevertheless, the high fiber content of rice grain can affect the feed conversion ratio and growth performance of geese.

Key words: Geese, Rice grain, Growth performance.

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