Effect of feed odor on growth performance and carcass characteristics of local turkey

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Abstract:

A total number of one hundred and twenty birds aged 4 weeks were randomly assigned into four equal groups to investigate the effect of feed odor on growth performance, carcass characteristics, plumage conditions and economical efficiency of local turkey. The first group was fed on non odor feed and considered as control group (C). While, the second, third and forth treatment groups (T1, T2 and T3) were fed on feed with yolk odor, molasses odor and fish odor, respectively. The obtained results showed that treatments birds fed feed with molasses odor and fish odor throughout the experimental period had superior body weight, body weight gain, feed conversation and livability percentages compared to birds fed non odor feed or feed with yolk odor. Otherwise, no significant differences (P>0.05) existed in all carcass characteristics, blood constitutes, bone lengths (Shank, drumstick and keel bone) and plumage conditions. It could be concluded that birds fed feed with molasses odor and fish odor had high performance and economical efficiency. Consequently, diets for local turkey chicks should be added molasses odor and fish odor.

Keywords:

Turkey, feed odors, carcass traits, growth performance.

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