EFFECT OF ANISEED (Pimpinella anisum) POWDER SUPPLEMENTARY ON GROWTH PERFORMANCE OF COBB500 BROILERS

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Summary

This experiment was conducted to evaluate and find out the best level of aniseed powder supplementary on broiler performance. A total of 480 Cobb500 broiler chicks at 8 days of age was divided into 4 groups of 40 birds each and assigned to 4 treatment diets. Chicks were fed by a basal diet as control diet and three different levels of aniseed powder (0.25, 0.50 and 0.75%, respectively). The experiment was done at the Nam Tuoi broiler farm belong to Vinh Long district from December 29th 2014 to February 3rd 2015.

The results showed that all three supplemented treatments of aniseed powder had better effects on growth performance than control, namely mortality percentage as well as culling percentage were lowest in BH250 (0.83%) compared to control diet (2.5% and 1.67%). No significant differences among treatments were found on daily weight gain and feed conversion ratio (P>0.05). The significant difference among treatments was on live weight at the 3rd and 4th week of age (P<0.05), with highest body live weight was BH250. Feed consumption of birds was only different significance at the 2nd week of age (P<0.05), highest in control diet (74.81 g/bird/day) compared to the lowest BH300 (73.56 g/bird/day). The economic analysis indicated that aniseed powder supplementary to broilers’ diets had better incomes (6-21%) compared to control (100%). It is concluded that 0.25% aniseed powder supplemented into dietary of broiler chicks given better growth rate and more beneficial economics.

Keywords: Aniseed powder, live weight, efficient economics, broiler.