EFFECT OF COCCIDIOSTATS ON GROWTH PERFORMANCE OF BROILER CHICKS IN ALLAHABAD, U.P, INDIA

ABSTRACT

Study on “Effect of coccidiostats on growth performance of broiler chicks in Allahabad”U.P, India, was conducted to evaluate the effect of three different levels of neem leaf powder(100, 150 and 200g), amprolium@ recommended dose (25g), and salinomycin @recommended dose (10g) and their combination /50Kg diet on the growth performance of broiler chicks. There were 12treatments and control, which contained neem leaf powder,amprolium and salinomycin and their combination. The parameters studied were body weight, weight gain, feed intake and feed conversion ratio for five weeks. The results showed that there were significant differences among the fortified diets and the control. The bodyweight, gain in weight, and feed intake showed significant differences among the treatments. Better mean of B.W was recorded in T1, T2, and T4 while T1,T2,T4, T8,and T9 recorded better mean of weight gain than other treatment. F C R showed non-significant differences among the treatments, although there were no significant differences among the treatments for weekly mean feed conversion, T4, T1, T7, T6 and T3 had better F C R than remaining treatments and control group. Finally, the supplementation of the diets with various coccidiostats (Neem Leaf Powder Amprolium, and Salinomycin), and their combination in the diet of broiler chicken improved body weight, weight gain and feed consumption significantly. The feed efficiency was not significantly affected. T1 (100g NLP), T2 (200g NLP) and T4 (Amprolium @ recommended dose) had excellent performance than other treatments and control group. Economics of rearing broiler chicks was improved by use of coccidiostats.

Key words: Azadirachtaindica leaf powder, coccidiostat feed additive, broiler chicks