

Influence of Salbutamol (Beta Adrenergic Agonist) on Carcass Characteristics and Same Blood Parameters in Male Broiler Chicken

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Abstract : This study was conducted to determine the effect of salbutamol (beta-adrenergic agonist) on carcass characteristics and some blood parameters in male broiler chicks. Four hundred and twenty day-old (Coob-500) male broiler were used in this experiment for six weeks. All birds were randomly divided into 7 treatment groups with 4 replicates of 15 birds per pen. Treatment groups included: control, 5, 10, and 15 mg salbutamol per liter water and 10, 20 and 30 mg salbutamol per kg diet. The data obtained from this study indicated that supplementation of salbutamol in water and diets have significant effect on live body weight, abdominal fat, and gizzard weight ($p < 0.05$). Also adding salbutamol in broiler water and feed did not have significant effect on thigh and breast dry matter, thigh and breast crude protein, and thigh and breast crude fat ($p > 0.05$). The results from this study demonstrated that salbutamol has significant ($p < 0.05$) effect on hemoglobin content and RV/TV but it does not have significant effect ($p > 0.05$) on hematocrit amount.

Keywords : salbutamol, beta-adrenergic agonist, broiler chicks, carcass characteristic

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