

Effect of Herbal Mineral Blend on Growth Performance of Broilers

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Abstract : This experiment was conducted to investigate the effect of supplementation of herbal and mineral mixture on growth performance of broilers. One hundred and eighty birds were randomly distributed into 6 experimental units of 3 replicates (10 birds/replicate) as: negative control (basal diet), positive control (Lincomycin at the rate of 5g/bag), commercially available herbal-mineral product FitFat™ at the rate of 150g/bag and 200g/bag, and herbal-mineral mixture at the rate of 150g/bag and herbal-mineral mixture at the rate of 300g/bag. The data regarding weekly feed intake, body weight gain and feed conversion ratio were recorded, and fecal samples were collected at the end of starter and finisher phase for nutrient digestibility trial. The results of body weight gain showed significant ($P < 0.05$) differences in 3rd week of age (506.90g), also, feed intake showed significant ($P < 0.05$) results in 1st (297.22g), 3rd (936.7g) and 4th (967.8g) week and feed conversion ratio indicated significant ($P < 0.05$) variations in 1st (1.14) and 3rd (1.74) week of age. The starter phase indicated significant ($P < 0.05$) differences among all treatments groups in body weight gain (902.2g), feed intake (1843.9g) and feed conversion ratio (1.78). In case of nutrient digestibility trial, results showed significant ($P < 0.05$) values of dry matter, crude protein, and crude fat in starter phase as 77.74%, 69.37%, and 61.18% respectively and 77.65%, 68.79% and 61.03% respectively, in finisher phase. Based on overall results, it was concluded that the dietary inclusion of combination of herbs and mineral can increase the production performance of broilers.

Keywords : herbal blend, minerals, crop filling, nutrient digestibility, broiler

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