



RESEARCH PAPER

Effect of turmeric along with proximate nutrients of broiler chicks

U. K. Shukla* and Ankur Dwivedi

Department of Natural Resource Management, Faculty of Agriculture, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, Satna, (M.P.) India

Abstract : The experiment was conducted at the Livestock Production and management unit, Department of N.R.M Faculty of agriculture MGCGV Chitrakoot - Satna M.P. To complete the research work following steps were followed. Freshly hatched, apparently healthy, day old straight run 225 commercial broiler chicks (Cobb strain) were procured on 18th April, 2022 from Government Poultry Farm, for the present study. Routine, day old vaccinations for (Fl strain) disease were given to the chicks just after hatching. On 14th day all the chicks were vaccinated against Infectious Bursal Disease also. On 2nd day all the chicks were wing banded, individually weighed and randomly divided into 4 treatment groups excluding one that of control. Each group having 45 broiler chicks, was further sub-divided into 3 replicates of 15 chicks. In the group (T₁) prebiotic as Bio-Mos, a product of Alltec Inc. incorporation, at the rate of 1000 ppm of feed to give an active concentration of 0.1 % in the feed. In the group (T₂), probiotic was mixed with ration at the rate of 100 g/ton of feed to give an active concentration of 0.01% in the feed. In the group (T₃) a herbal product turmeric (*Curcuma longa*), was mixed with ration at the rate of 1000 ppm. To give an active concentration of 0.1% in the feed. In the group (T₄) a combination of prebiotic (Bio-Mos) and probiotic was incorporated with ration at the same rates as in treatment groups alone. Based on results it was concluded that turmeric powder has none -significant effect on the body weights, feed intake, gain in weight and feed efficiency of broilers. Based on feed efficiency best performance of broilers was observed in supplemented with 0.1 per cent turmeric powder, followed by 0.01 per cent turmeric powder, All treatments were economically better than control.

Key Words : Broiler chicks, Growth performance, Turmeric powder

View Point Article : Shukla, U. K. and Dwivedi, Ankur (2023). Effect of turmeric along with proximate nutrients of broiler chicks. *Internat. J. agric. Sci.*, 19 (1) : 223-228, DOI:10.15740/HAS/IJAS/19.1/223-228. Copyright@2023: Hind Agri-Horticultural Society.

Article History : Received : 14.09.2022; Revised : 10.11.2022; Accepted : 12.12.2022