



RESEARCH ARTICLE.....

## Effect of different herbals feed additives on the feed intake and feed conversion efficiency of Giriraja poultry birds

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**ABSTRACT.....** The present investigation entitled “Effect of different herbals feed additives on the feed intake and feed conversion efficiency of Giriraja poultry birds” was carried out to assess the effect of feeding Coriander and *Tulsi* seed powder on feed consumption and feed conversion ratio (FCR) or efficacy, during 2016-17 at Department of Animal Husbandry and Dairy Science, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. 125 chicks of day-old straight run commercial Giriraja breed were procured from Govt. hatchery. They were randomly and equally distributed in to five dietary treatments consisted of on basal control ( $T_1$ ) (untreated group), supplemented with one per cent coriander seed powder ( $T_2$ ) 2 per cent coriander seed powder ( $T_3$ ), 1 per cent *Tulsi* seed powder ( $T_4$ ) and 2 per cent *Tulsi* seed powder ( $T_5$ ). The significant difference in weekly feed consumption was found from forth week onward. The trend of significantly feed consumption was recorded in  $T_1$  (680.42),  $T_2$  (677.66),  $T_3$  (675.33),  $T_4$  (679.40) and  $T_5$  (673.83) groups during forth to seventh week which the feed intake of all chicks receiving coriander and *Tulsi* seed powder reared lower than control and this was a linear decrease in level might be due to of feed additives addition. The cumulative feed consumption at seventh weeks of age were recorded as 2678.32, 2662.13, 2648.78, 2673.28 and 2648.33 g for  $T_1$ ,  $T_2$ ,  $T_3$ ,  $T_4$  and  $T_5$  treatments groups, respectively. supplementation of 2 per cent *Tulsi* seed powder was found more beneficial to live body weight gain, feed consumption and feed conversion efficiency of Giriraja poultry birds.

**KEY WORDS.....** Giriraja, Herbal, Coriander, *Tulsi* seed powder, Feed consumption, Feed conversion ratio

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