

The Effect of Fenugreek on Performance, Quality Carcass and Blood Parameters Broiler Chickens

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Most of growth stimulating compounds is chemical products which have bad effects such as drug resistance, doing as carcinogens or other diseases in man. This made the scientists to research for derivable constituents. Using herbal compounds because of natural structures fitting to livestock and broilers body is a good choice. The aim of this investigation has been to compare the effects of different levels of Fenugreek on performance, carcass quality and some blood parameters in broilers. This study was performed on 200,308 Ross male chicks in 5 treatments. Each treatment had 4 replicates containing 10 chicks. The levels of Fenugreek included 0.05, 1, 1.5 and 2%. Analyzing of data was based on complete randomized design (CRD). Observed data were analyzed by SPSS software and at the end to experiments Turkey's method was used to compare the treatments. Increasing Fenugreek levels in the diet no effect on performance. Carcass, femur and thorax weight were increased and visceral lipid was decreased. Fenugreek didn't affect the small intestine length. It's effect on blood parameters were as followed: Cholesterol, triglyceride. Glucose was also decreased. in this regard also 2% level of Spinach had the best result.

Keywords : Keywords: broilers, performance, carcass quality, blood parameters, Fenugreek

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