

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

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With increasing world population using animal supplements and natural materials for stimulating growth to get food and also for other expenses relating to breeding broilers , is an important point. The aim of this investigation has been to compare the effects of different levels of Spinach 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 Spinach 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 Tukey`s method was used to compare the treatments. Increasing Spinach levels in the diet improved weight gain and FCR but had no effect on food consumption .Using 2% level of Spinach had the best result. Carcass , femur and thorax weight were increased and visceral lipid was decreased. Spinach didn`t effect the small intestine length. It`s effect on blood parameters were as followed: Cholestrol , 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, Spinach

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