

Effect of Sunflower cake inclusion on certain blood biochemicals of Japanese quails

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Abstract

A week old 120, Japanese quail chicks were equally and randomly distributed into four different treatment groups (T0, T1, T2 and T3), of three replicates having 10 chicks in each. All the chicks were reared on saw dust litter upto six weeks of age. The chicks in control group-T0 were fed corn-soya based diet with multi-enzyme and group T1, T2 and T3 were fed on diets containing 10, 20 and 30 per cent replaced soybean cake by sunflower cake with multi-enzyme supplementation, respectively. The significant ($P < 0.01$) differences were noticed between the treatments for weekly live body weights upto sixth week. The blood-biochemicals viz., serum glucose, serum total protein and serum cholesterol level did not varied significantly. It was concluded that inclusion of sunflower cake do not have any adverse effect on blood-biochemical parameters however supplementation of multi-enzyme improves numerically the growth performance of Japanese quails.

Key Words: Japanese quails, Sunflower cake, Multi-enzyme, Blood-Biochemical profile.