Impact of early dietary supplementing with some performance promoters on the production of Japanese quail


Abstract:

This study aimed to study the effects of early dietary supplementing with some performance promoters (Molasses, Sugar syrup and Yeast) to the Japanese quail starter ration during the first two weeks of age on the growth performance, carcass traits and some blood constituents. Chicks in first group (control, C) were fed on a commercial mash ration without any addition, while those in the treatments (1, 2 and 3) were fed on the same ration supplemented with (10g molasses, 10g sugar syrup and 10g yeast/kg ration), respectively. Feed and water were available ad lib. and all the other managerial conditions were the same during the experimental period. The important achieved results could be concluded as follow: 1- The chicks fed on a commercial starter supplemented with 10g yeast + 40 cm3 water/kg ration had significantly increased body weight, body weight gain, while the increase was only insignificant by supplementing 10 g sugar syrup and 10 g molasses as compared to the control group. 2- The carcass traits as well as some blood constituents of the birds fed on the starter ration, supplemented with each of the yeast, sugar syrup and molasses increased relatively, in addition to the decreased in mortality percentage as compared to those of the control group. Due to the previous advantages of the tested performance promoters, their use as early dietary supplementations during the first two weeks of Japanese quail age is highly recommended.

Keywords:

Quail – early dietary supplementing – growth performance

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