The Effect Of Different Levels Of Soluble Probiotic And Synbiotic In Some Of Chemical Composition Of The Egg From Lohmann Brown Layer Hens

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ABSTRACT

The present experiment were carried out at Agriculture Research Center at Abu- Grab for the period extended from
25 October 2012 to the 25 April 2013. The study aimed to evaluate the effect of different levels of Locally prepared
Iraqi soluble probiotic (Isp) and Iraqi Synbiotic (Is) on laying hens performance. A total of 420 brown Lohman
Laying hens , 20 weeks old , were randomly allocated in to seven treatment groups with three replicates for each.
Hens in the seven treatment group received the following treatments:
T1: Control group fed on standard Laying diet.
T2: Fed on standard diet + 0.25 gm/liter ISP with drinking water.
T3: Fed on standard diet + 0. 5 gm/liter ISP with drinking water.
T4: Fed on standard diet + 0. 75 gm/liter ISP with drinking water.
T5: Fed on standard diet + 3 kg /ton of Iraqi synbiotic.
T6: Fed on standard diet + 4 kg /ton of Iraqi synbiotic.
T7: Fed on standard diet + 5 kg /ton of Iraqi synbiotic.
The stastical analysis for the experimental data showed the following results:-
The addition of probiotic dissolved (ISP) for drinking water and add the mixture Iraqi synbiotic (IS) to the
feed may have significantly in the proportion of protein and ash for whites compared with control
treatment. as can be observed change superiority of transactions added to the control treatment in the
proportion of protein , carbohydrates and ash in yolk eggs compared to control treatment. Add boosters
also led to vital drinking water and fodder to the decrease in the percentage of fat and cholesterol have
found eggs in compared to control treatment , which recorded significant superiority in the proportion of

fat and cholesterol in yolk eggs. We conclude from the current study that the addition of probiotic
dissolved in water and the mixture synbiotic feed has led to an improvement significantly in some of the
qualities of the chemical for the whites and yolks of eggs produced for laying hens , such as the proportion
of protein , carbohydrates and ash. also led Add Brobiotics to obtain a significant decrease in the
percentage of fat and cholesterol found egg added to transactions compared to the control treatment. As for
the transactions were recorded T4 treatment best transactions add of probiotic dissolved (ISP) for drinking
water, as it was the best treatment T5 transactions mixture Iraqi synbiotic (IS) to the feed in the chemical
characteristics of the egg and egg yolk and cholesterol compared to the control treatment.
Keywords: brobiotic, synbiotic, chemical composition of the eggs , Layer hens.

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