



Performance Trial Summary:

GoldEdge Performance Study in Laying Hens

January 2019

Study_GE03_02_18: Effects of GoldEdge supplementation on performance in laying hens

This study was conducted to investigate the effects of feeding GoldEdge supplemented diet on performance in laying hens.

Materials and Methods

Birds were housed at the age of 18 wk and allotted to one of the following treatments: 1) control diet (without GoldEdge) and 2) control + 1 kg/MT GoldEdge in a 7-wk experiment. Under the control diet, a total 5000 (Lohmann White) laying hens, and under the GoldEdge supplementation diet, a total 4526 (Lohmann White) laying hens were housed to evaluate the performance of two diets in laying hens. Production performance (i.e. actual livability, actual and target values of egg production, and eggs per HH) was monitored and recorded from wk 24 to 30. Target values for egg production and EHH were 93.45% and 41.75, respectively, that were set from the management guide of Lohmann LSL-LITE (LOHMANN TIERZUCHT GmbH). Data (livability, egg production, and EHH and actual and target values) from two treatment groups (without GoldEdge vs. with GoldEdge) were statistically analyzed using MIXED Procedure of SAS program (SAS, 2013).

Results

There were no significant differences between +GoldEdge and -GoldEdge diets on livability during the whole trial (99.95 vs. 99.98%, $P>0.10$). Also, there were no significant differences on actual and difference value for egg production (4.34 vs. 3.79; $P>0.10$). However, laying hens fed the +GoldEdge diet showed higher difference value (actual minus target) of EHH compared to those fed the -GoldEdge diet (6.03 vs. 4.50, $P<0.01$). Moreover, laying hens fed the +GoldEdge diet had numerically higher actual egg production and EHH than those fed the -GoldEdge diet (97.80 vs. 97.25% and 47.78 vs. 46.25, respectively; $P>0.10$).

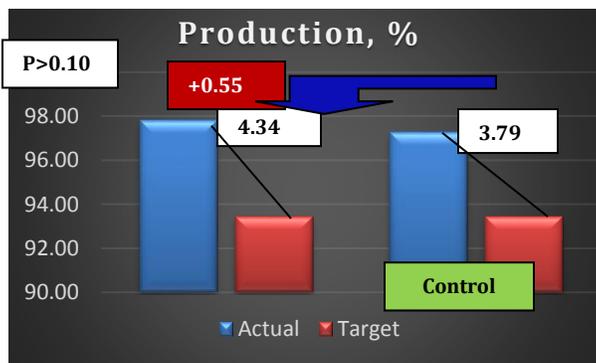


Fig.1: Effects of GoldEdge on egg production of laying hen during 24 to 30 wk

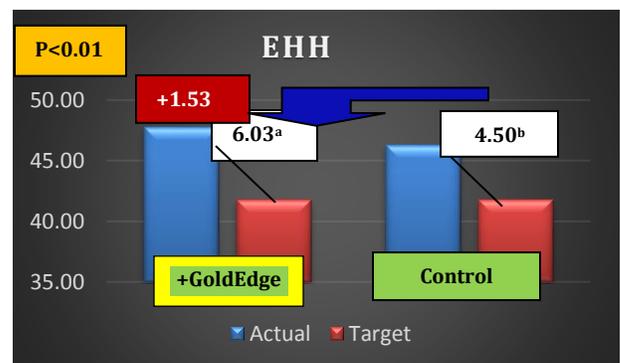


Fig.2: Effects of GoldEdge on EHH of laying hen during 24 to 30 wk

Conclusion

GoldEdge supplementation increased EHH and numerically improved egg production in laying hens.