

Plant Leaves are used widely as feed additives in the diets of poultry to enhance egg's quality and productivity. Nevertheless, there are few studies about the effects of Moringa olifera leave, Alfalfa (*Medicago sativa* L.) and Dill (*Anethum graveolens* L.) on the quality performance and egg productivity of laying hens which had been investigated in this study under controlled conditions. Two different experiments were conducted. The first experiment conducted to investigate five different concentrations (T1 0.2, T2 0.4, T3 0.6, T4 0.8 and T5 1.0%) of each of Moringa olifera leave, Alfalfa and Dill additives; and the results have been compared to the control treatment T0. Accordingly, second experiment depending on the results obtained from the first experiment of the best levels of each plant was designed to determine the effects of a mixture of the most effective ratio of Moringa olifera leave, Alfalfa and Dill, eventually the results were compared.



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## Effect of Photobiotics on the Quantity and Quality of ISA Brown Eggs

The Effect of Adding Photobiotics on the Quantity  
and Quality Traits of Enriched ISA Brown Eggs



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