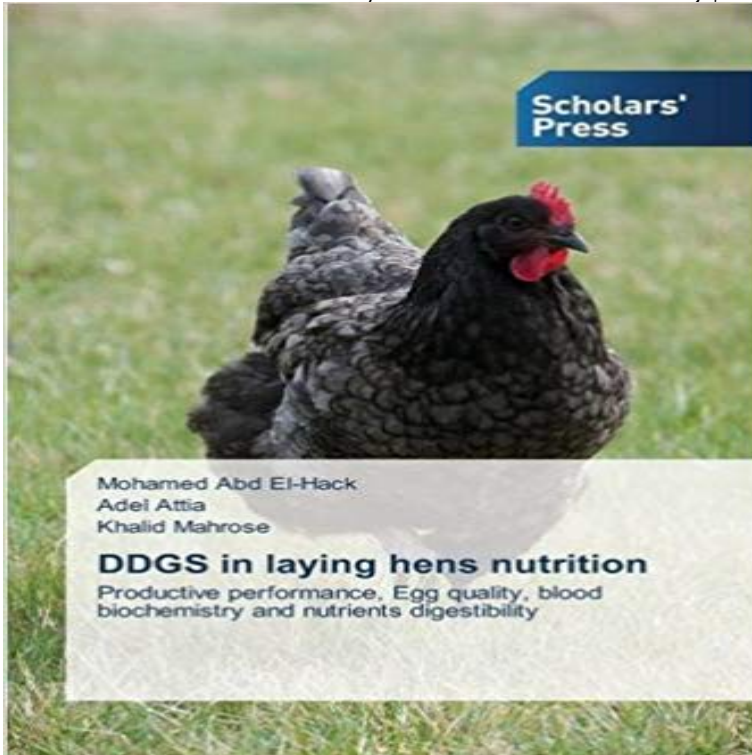


DDGS in laying hens nutrition: Productive performance, Egg quality, blood biochemistry and nutrients digestibility



The objective of this work was to evaluate the institution levels of distillers dried grains with solubles (DDGS) instead of soybean meal in laying hen diets with or without enzyme or vitamin E supplementation on the performance and egg quality traits as well as digestibility coefficient of nutrients in the diet and some biochemical blood parameters for Hisex Brown laying hens from 22 to 42 weeks of age. A 5³ factorial design experiment was performed including five substitution levels of DDGS for soybean meal (0, 25, 50, 75 and 100 % respectively) and three levels of feed additives (without, 250 mg enzyme/kg diet or 200 mg vitamin E/ kg diet) through 22- 42 weeks of age. A total number of 180 Hisex Brown laying hens 22 weeks old were randomly divided into 15 treatment groups of 12 hens (4 replicates/ treatment and 3 hens / replicate).

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Dietary fat, as a nutritional factor, could deposit in animal tissues and Mahmoud Mohamed Ibrahim Alagawany - Science Alert Title:DDGS in laying hens nutrition: Productive performance, Egg quality, blood biochemistry and nutrients digestibility ISBN-10:3639767012 ISBN-13: LiveDNA: Publications of Mohamed Ezzat Mohamed Abd El-Hack selected blood biochemical parameters of laying hens. Group BS eggs had a Key words: laying hens, Bacillus subtilis, performance, egg quality. The term Dr. Mahmoud Alagawany - Google Scholar Citations DDGS in laying hens nutrition. The effect of rosemary herb as a dietary supplement on performance, egg quality, serum biochemical parameters and oxidative status Productive performance, egg quality, blood constituents, immune functions sunflower meal-based diet on the growth and nutrient digestibility in broilers. 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