Effect of Prednisolone supplementation on the primary sex ratio of Fayoumi chicken's offspring.

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Abstract:

Effect of Prednisolone supplementation on the primary sex ratio of Fayoumi chicken's offspring M. S. Hassan2, M. A. M. Sayed1, M. El-Sagheer1, and M. S. G. Hassanien2 1Dept. of Poultry Production, Fac. of Agric., Univ. of Assiut, Egypt. 2Animal Production Research Institute, Agriculture Research Center, Ministry of Agriculture, Egypt. Abstract: The current study aimed to evaluate the effects of supplementing the diets with different pharmacological doses of the glucocorticoid drug Prednisolone on; the primary sex ratio of Fayoumi chicken offspring, egg-laying performance, and birds' general health, during the period 32-36 wks of age. Birds were assigned to 4 treatment groups, according to the glucocorticoid level in the diet, each with 3 replicates of 10 females + 1 male. Birds in groups 1, 2, 3 and 4 were fed a commercial diet having glucocorticoid level of 0, 5, 10 or 20 mg Prednisolone/kg diet, respectively. The results showed that all pharmacological doses of Prednisolone affected offspring sex ratios which became more female-biased compared to the control group (P

Keywords:

Offspring sex ratio alteration, Prednisolone, Fayoumi Chickens, Fertility rate

Published In:

Egyptian Journal of Nutrition and Feeds, NULL, NULL