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Effect of Plumage Colour on The Productive and Physiolog Two Lines of Turkey During Egg Production

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Abstract: Using 32 hens from two turkey lines; broad-breasted bourbon red (BR), this study assessed how plumage colour affects physiological functions during (26-40) weeks of observation. A total c hens from the BBB line and 16 hens from the BR line, were bred fro weeks of age. According to our results, BBB line significantly (p≤0. line in terms of body weight at first egg production, feed intake, and the study period. A significantly (p<0.05) higher feed conversion ra mass, a higher production rate of hen-day eggs, and a higher rate of a by the BR line. It is, however, noteworthy that the age at first egg weight, the egg mass, the yolk weight, the yolk percentage, the albur weight percentage, the egg shell thickness, width, and length, the sha and yolk index were not significantly (p≥0.05) different between the t weeks of age. The levels of luteinizing hormone (LH) and follicle (FSH) were not significantly (p≥0.05) different between the two lines age when eggs were produced. Both turkey lines presented in the potentially be raised in Iraq, as well as used as hens to produce h genetic improvement.

Keywords: Egg production performance, Egg quality traits, Turkey hens.

Introduction