

EVALUATION OF PRODUCTIVE PERFORMANCE OF JAPANESE QUAIL IN SUMMER OF IRAQ .

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ABSTRACT

This study was conducted to determine the productive performance of Japanese quail during summer season in Iraq along the period 10 July 2011 to 25 Sept. 2011 . The flock consist of 60 one day old chicks and reared in three boxes with dimensions 50* 50* 100 Cm., the measurements included the following traits : Live body weight , gain body weight , Uniformity , Age at sexual maturity , Egg weight , Shell weight , Shell thickness , Egg shape index , Chick weight / Egg weight percentage and calculated correlation coefficients and regression coefficients between some traits of the study .

The results inducted that , the mean chick weight and its uniformity were 7.24 g and 56.25 % respectively . The egg weight , shell weight , shell thickness , shape index , chick weight / egg weight , age at sexual maturity were 9.54 g , 1.23 g , 0.25 mm , 79.19 % , 75.89 % , 40.63 day , there were highly significant correlation coefficients between shell weight and each of shell thickness and shape index (0.45 and – 0.68 respectively) , also there were significant regression coefficients between chick weight and each of egg weight and shape index (0.88 and – 0.45 respectively) .

Key words : Japanese quail , summer , live body weight , uniformity .