

Comparison of Chest Weight of Pure and Mixed Races Kabood 30-Day Squab

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Abstract : The aim of this study is to evaluate and compare chest weight of pure and mixed races Kabood 30-day Pigeons to investigate about their sex, race, and some auxiliary variables. In this paper, 62 pieces of pigeons as 31 male and female pairs with equal age are studied randomly. A natural incubation was done from each pair. All produced chickens were slaughtered at 30 days age after 12 hours hunger. Then their chests were weighted by a scale with one gram precision. A covariance analysis was used since there were many auxiliary variables and unequal observations. SAS software was used for statistical analysis. Mean weight of chests in pure race (Kabood-Kabood) with 8 records, 123.8 ± 32.3 g and mixed races of Kabood-Namebar, Kabood-Parvazy, Kabood-Tizpar, Namebar-Kabood, Tizpar-Kabood, and Parvazi-Kabood with 8, 8, 6, 12, 10, and 10 records were 139.4 ± 23.5 , $7/122 \pm 23.8$, 124.7 ± 30.1 , 50.3 ± 29.3 , 51.4 ± 26.4 , and 137 ± 28.6 gr, respectively. Mean weight of 30-day chests in male and female sex were 87.3 ± 2.5 and 82.7 ± 2.6 g, respectively. Difference chest weight of 30-day chests of Kabood-Kabood race with Kabood-Namebar, Kabood-Parvazi, Tizpar-Kabood, Kabood-Tizpar, Namebar-Kabood and Parvazi-Kabood mixed races was not significant. Effect of sex was also significant in 5% level ($P < 0.05$), but mutual effect of sex and race was not significant. Auxiliary variable of father weight was significant in 1% level ($p < 0.01$), but auxiliary variable of mother weight was not significant. The results showed that most and least weights belonged to Kabood-Namebar and Namebar-Kabood.

Keywords : squab, Kabood race, 30-day chest weight, pigeons

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