

## Comparison of Carcass Weight of Pure and Mixed Races Namebar 30-Day Squabs

**Authors :** Sepehr Moradi, Mehdi Asadi Rad

**Abstract :** The aim of this study is to evaluate and compare carcass weight of pure and mixed races Namebar 30-day pigeons to investigate about their sex, race, and some auxiliary variables. In this paper, 68 pieces of pigeons as 34 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 carcasses 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 carcass in pure race (Namebar-Namebar) with 8 records,  $219.5 \pm 61.3$  gr and mixed races of Kabood-Namebar, Parvazy-Namebar, Tizpar-Namebar, Namebar-Kabood, Namebar-Tizpar, and Namebar-Parvazy with 8, 10, 8, 12, 12, and 10 records were  $369.9 \pm 54.6$ ,  $338.3 \pm 52.7$ ,  $224.5 \pm 73.6$ ,  $142.3 \pm 67.8$ ,  $155.6 \pm 56.2$ , and  $170.2 \pm 55$  gr, respectively.. Difference carcass weight of 30-day of Namebar-Namebar race with Namebar-Kabood, Namebar-Parvazy, Namebar-Tizpar, Parvazy-Namebar and Tizpar-Namebar mixed races was not significant, and was significant in level 5% with Kabood- Namebar ( $P < 0.05$ ). Effect of sex and age were also significant in 1% level ( $P < 0.01$ ), but mutual effect of sex and race was not significant. The results showed that most and least weights of carcass belonged to Kabood-Namebar and Namebar-Kabood.

**Keywords :** squab, Namebar race, 30-day carcass weight, pigeons

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