

## Comparison of Live Weight of Pure and Mixed Races Tizpar 30-Day Squabs

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

**Abstract :** The aim of this study is to evaluate and compare live weight of pure and mixed races Tizpar 30-day pigeons to investigate about their sex, race, and some auxiliary variables. In this paper, 70 pieces of pigeons as 35 male and female pairs with equal age are studied randomly. A natural incubation was done from each pair. All produced chickens were weighted at 30 days age before and after hunger 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 live in pure race (Tizpar-Tizpar) with 12 records,  $182.3 \pm 60.9$  gr and mixed races of Tizpar-Kabood, Tizpar-Parvazy, Tizpar-Namebar, Kabood-Tizpar, Namebar-Tizpar, and Parvazy-Tizpar with 10, 10, 8, 6, 12, and 12 records were  $114.3 \pm 71.6$ ,  $210.6 \pm 71.7$ ,  $353.2 \pm 86$ ,  $520.8 \pm 81.5$ ,  $288.3 \pm 65.6$ , and  $382.6 \pm 70.4$  gr, respectively. Effects of sex, race and some auxiliary variables were also significant in 1% level ( $P < 0.01$ ). Difference live weight of 30-day of Tizpar-Tizpar race with Tizpar-Namebar and Parvazi-Tizpar mixed races was significant in 5% level ( $P < 0.05$ ) and with Kabood-Tizpar mixed races was significant in 1% level ( $P < 0.01$ ) but with Tizpar-Kabood, Nmaebar-Tizpar and Tizpar-Parvazy mixed races was not significant. The results showed that most and least weights of live belonged to Kabood-Tizpar and Tizpar-Kabood.

**Keywords :** squabs, Tizpar race, 30-day live weight, pigeons

**Conference Title :** ICASBFAS 2018 : International Conference on Agricultural Science, Biotechnology, Food and Animal Science

**Conference Location :** Paris, France

**Conference Dates :** May 17-18, 2018