

عنوان مقاله:

Indigenous Race of Hen: Egg Physical Characteristics and Laying Performance - Case of a Family Poultry Farm in Madagascar

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خلاصه مقاله:

The purpose of the present study is to get a better knowledge of the Malagasy indigenous race of hen through its egg physical characteristics and its laying performance in order to promote villager poultry production. This study was undertaken within a local family farm, of the rural Township of Ambalamahaso, Haute Matsiatra Region, Madagascar, with 25 hens and 4 roosters in age to reproduce. From 180 collected eggs and 4 incubation tests with three repetitions, the results showed that: 1 – Eggs were light weighted (average weight= 45.49 ± 4.63 g), of small calibers (average length= 4.82 ± 0.22 cm; average diameter = 3.61 ± 0.15 cm) but of normal format (average IF= 0.75 ± 0.03) 2 – they were presenting a good fertility rate (73.94%) with a high hatching percentage (90.16%) and a low embryonic death rate (9.84%). The mother-hen is both a good brooder and a good local reproducer. Egg physical variability reflects a broad genetic diversity within the indigenous race among the poultry population; which could constitute an asset for villager poultry production promotion and poultry biodiversity conservation in Madagascar.

کلمات کلیدی:

Poultry, Madagascar, Performance, Indigenous race, Natural incubation, Egg physical characteristic

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