

Influence of Some Parameters on Embryonic Mortality of Barbary Partridge *Alectoris barbara* in a Semi-Captive Breeding

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Abstract : During the period of reproduction, the collection of eggs of the Barbary gabra partridge is made only once a week in the morning, considering the sensibility in the stress of this native species. The number of considered samples is 33 eggs. The duration of the incubation is of 18 days. Unhatched eggs and eggs eliminated previously at the time of the mirage are collected and forwarded to the laboratories of microbiology and parasitology. The average weight of the eggs of the Barbary Partridge vary much [20.08 ± 1.81 g. (2006) < Pm < $20.82 \pm 2,11$ g. (2008)]. The percentage of unhatched eggs varies between 9.3% in 2005 and 15.55% in 2007. It appears that the rate of embryonic mortality is slightly higher compared to that of infertile eggs. Microbiological analysis of unhatched eggs showed the presence of pathogenic germs such as lute *Chryseomonas luteola*. *Chryseomonas ola* and *Escherichia coli*. As against the parasites research is negative.

Keywords : barbary partridge, unhatched eggs, embryo mortality, pathogenic germs

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