

Morphometric Study of the Eggs of Pheasant Eggs *Phasianus colchicus* (Aves, Phasianidae)

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Abstract : Pheasant, is a bird of great ornamental value through the beauty of its form and colors, it is among the most popular birds. The present study was conducted in an experimental breeding. The objective of this work is to know the quality of the eggs of this bird. A total of 938 eggs were collected. To deepen the knowledge about the characteristics of external shell quality, biometric parameters were studied, among them we find the weight with a mean value of $29.2 \pm 2, 24$ g. Egg length (mm) and egg width (mm) mean value are respectively $43.01 \pm 1,84$ cm and $34.05 \pm 1,44$ cm. The volume and shape index of eggs obtained are respectively $25,63 \pm 2,88$ cm³ and $79.00 \pm 3\%$, shell index which recorded an average of 68%. Water loss recorded is 13%. Note that all these parameters and others may influence hatching. The analysis of variance applied for the comparison of egg weight shows that there is no significant difference in the same form factor ($P > 0.05$). Otherwise, the comparison test used shows a significant difference with $P < 0.05$ for length, width, volume, density, indices of shell and water loss of eggs between the different. Indeed, several factors may explain the difference as the absence of sorting eggs during incubation and other factors that will be exposing later.

Keywords : analysis of variance, egg, hatching, morphometry of eggs Phaisan (*Phasianus colchicus*.L.)

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