

# **Influence of homeopathy on the quality of quail eggs stored for different periods of time**

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**Abstract:** The purpose of this trial was to assess the influence of homeopathy products on the diet of quails based on egg quality when submitted to different storage periods. **Methodology:** Two hundred, 45 day old Japanese quails and 80% of production were used, in a completely randomized design comprised of a 4x3 factorial, and 4 diets (basal feed, inert vehicle and 2 homeopathic products: FertSigo® (*Sulphur* 10 CH, *Sepia* 15CH ) and Ovosigo® (*Belladonna* 12CH, *Silicea* 12 CH, *Natrum mur.* 30CH, *Calcarea phos.* 30CH, *Sulphur* 12CH) and 3 storage periods (0 days, 7 days and 14 days) with ten repetitions of three eggs per treatment. The weight, percentages of yoke, albumen and shell, albumen height and yolk color, specific gravity, Haugh unit, yolk index and shell thickness were evaluated. The data were submitted to variance analysis to verify whether there was a interaction effect between homeopathy factors and storage time, and when absent, the isolated effects. **Results:** An interaction between the homeopathic products and time was found for the parameters of albumen height and yolk, Haugh unit and yolk index, which reduced over time. For egg weight, yolk, albumen and shell, a significant effect ( $p < 0.05$ ) was found only in the case of homeopathy for the percentages of albumen and shell. For egg and albumen weights, yolk and albumen percentages, specific gravity and colorimetry there was an effect for time, however these parameters reduced over the storage time in days. The addition of the homeopathic based products Ovosigo® and FertSigo® are indicated for the diets of Japanese quail during the laying phase since it resulted in better weights for the egg and its components. **Conclusion:** The different homeopathic products did not have an influence on conserving the quality of the Japanese quail eggs during the periods evaluated.

**Keywords:** Quail farming, organic products, ultra-highly diluted remedies, egg weight, egg production.

Ethical committee: Protocol number 052/18