

THE EFFECT OF FEED CONTAINING BEETROOT MEAL ON THE DIFFERENT PARAMETERS OF QUAILS

Besbas Mohamed El Amine^{1*}, Maria Takacs-Hajos²

¹University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management, Horticulture and Crop production Department, Debrecen, HUNGARY

²University of Szeged, Faculty of Agriculture, Institute of Plant Science and Environmental Protection, Hódmezővásárhely, HUNGARY

*corresponding author: mohamedelaminebesbas@gmail.com

This study investigates the effect of feeding quails a diet containing beetroot meal, focusing on parameters such as weight, behavior, egg production, and physiological responses. The objective was to assess whether beetroot meal supplementation could improve quail health and productivity. Quails were fed a diet supplemented with varying levels of beetroot meal, and their weight, behavior, egg production, and overall health markers were monitored. While some initial weight loss occurred, likely due to the adaptation period to the new diet, no significant long-term effect on weight was found. Behavioral observations showed increased activity and improved social interactions. Egg production remained optimal in the beetroot-supplemented groups, with no adverse effects. Additionally, the study also explored the potential impact of beetroot meal on antioxidant and anti-inflammatory responses in quails. The study concludes that beetroot meal supplementation positively influences quail behavior and egg production, and further research is needed to better understand its full physiological effects and determine the optimal levels for inclusion.