

REARING SYSTEMS AND THEIR IMPACT ON PRODUCTIVITY IN QUAIL FARMS: A REVIEW

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Abstract

*This review explores the relationship between different growing systems and their impact on productivity in quail (*Coturnix coturnix japonica*) farms. As consumer demand for alternative poultry meat and eggs increases, the need for optimized and welfare-oriented production systems becomes critical. This study analyzes various growing methods such as cage systems, deep litter systems, and free-range setups, highlighting their effects on growth rate, feed conversion ratio, egg production, mortality rate, and animal welfare indicators. Comparative data suggest that intensive systems, particularly multi-tier cages, offer higher productivity in terms of body weight gain and feed efficiency, while alternative systems, such as free-range, show benefits in animal behavior expression and consumer preference. Environmental parameters, stocking density, lighting, and ventilation are also discussed as influencing factors. The findings emphasize the necessity of balancing economic efficiency with ethical farming practices. This review aims to support farmers, researchers, and policy makers in identifying sustainable and productive models suited to various operational goals and regional conditions.*

Key words: *quail farming; housing systems; productivity; animal welfare; sustainable production*