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Effect of Different Management System on Haemato-biochemical profile in Quail

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Abstract

A very little information is available in literature on management of Japanese quail (*Couturnix Couturnix Japonica*) in different housing system (cage system and deep litter system) of management. The average weekly body weight gain was significantly higher in deep litter system (34±0.43gm) than cage (12.71±0.41gm) system at the 3rd week of age. The average daily feed consumption by individual quails was higher in cage (12.71±2.10) than deep litter system (11.84±1.47) during 0-6 weeks of age. The haematobiochemical profile viz Hb (gm%),TEC (10^6/µl),PCV(%),TLC(10^3/ µl)along with biochemical studies as blood sugar (mg/dl), total serum protein (gm/dl),serum calcium (mg/100ml) and serum phosphorus (mg/dl) were well within the normal health of quail under both cage and deep litter system of management.

Keywords: Management System, Quail, Hemato-biochemical profile, Cage sytem, Deep Litter system.