## Influence of Different Management Systems on Gut Microbes and Chemical

Constituents of Giant Land Snail (Archachatina marginata)

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The impact of management systems on the African giant land snail, Archachatina

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## Abstract

discussed.

marginata found in Abeokuta, Nigeria was investigated. The gut microbial load, haemolymphbiochemical values (proteins, lipids, glucose, Na+,  $Ca^2+$ ,K, CD PO/+) and proximatecomposition (crude protein, fat, fibre, ash and carbohydrates) of the flesh were determined these snails. There were significantly (p<0.05) higher colony forming units (cu) in the gut of snails from the wild (5-24  $\times 10^3$ ) than the domesticated snails (3-13  $\times 10^3$ ). The haemolymph biochemical values and flesh proximate composition were significantly higher in the snails from the wild than the domesticated ones. However, antinutrients and mineral composition of the flesh were not significantly affected by the management systems. The implication of these results on snail meat value in Nigeria is

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