

ABSTRACT

Correlation between size and home range of *Agama agama africana*

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Agama agama africana is a lizard originally found in sub-Saharan Africa. Typically, it is found in urban and suburban areas and certain wildlands of Africa. This lizard was first noted in 1983 in Florida by L. D. William and L. Portis. It is believed that the Florida populations of these lizards are a result of intentional release and from damage done to exotic reptile businesses during Hurricane Andrew. Other researchers have documented that this species of lizard has a territory range that it aggressively defends against when other males challenge the territory. The behavior of the lizard was the focus for this study. Data was collected in areas throughout Jensen Beach and Stuart, Florida where populations are prevalent. Five males of *A. a. africana* were caught, marked with nail polished, and measured. Once released, three of these males and one uncaught male were observed from a distance while their movement and activity were recorded. Measurements were then taken of the lizards' movement and the total area was calculated using an online irregular polygon calculator. Due to the small sample size, the results were inconclusive for a relationship between lizard size and home range area.

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