

EFFECT OF TEMPERATURE ON THE GROWTH OF GIANT AFRICA LAND SNAILS.

(Archachatina marginata)

By

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ABTRACT

The effect of temperature on the productivity of Giant African Land Snail (*Archachatina marginata*) was carried out in order to know the effect of temperature on growth and reproduction of snails. Sixty snails were purchased from the sellers in Alogi and were housed in a constructed box with different temperature ranges.

The box, constructed with wood was divided into three compartments (treatments). Treatment was covered with mosquito net, treatment two with nylon and treatment three was covered with wire mesh.

Data obtained indicated that temperature has significant impact on the growth and reproduction of the snails.

The snails responded to the various treatment with the greatest weight gain was recorded in the treatment two with increase weight gain between 42g and 72g while treatment one had between 42g and 63g. Treatment three had the least increase from 41g to 60g.

Treatment has a temperature range of 24°C to 28°C, treatment two had the highest temperature range more than that of treatment one, while the third treatment's temperature range is mostly affected by the atmospheric temperature and it is the most affected by wind which also affected the performance of the treatment