

## Biology and webbing behavior of Sesame webworm, *Antigastracatalaunalis Duponchle* (Lepidoptera: Pyraustidae)

El Nayer H. Suliman<sup>1</sup>, Nabil H. H. Bashir<sup>2</sup>, El Ameen M. A. El tom<sup>2</sup> and Yousif O. H. Asad<sup>2</sup>

<sup>1</sup>Gedarif Research Station, Agricultural Research Corporation

<sup>2</sup>Department of Toxicology and Pesticides, Faculty of Agricultural Sciences, University of Gezira, Sudan

The experiments were conducted during 2009-011 seasons in Gedarif Research Station laboratory, Agricultural Research Corporation. To study biology and webbing (spinning) behaviour of sesame webworm, *A. catalaunalis* Dup. under laboratory conditions during the period of September to November 2006. Eggs incubation period was 2.45 days, while larval period lasted for  $10.2 \pm 1.05$  days, completing five larval instars. The pupation occurred both inside the webbed leaves and the in the soil, and the average pupal period was  $4.9 \pm 0.21$  days. The average adults longevity was  $6.18 \pm 0.2$  days. The webbing behaviour revealed that the area of the leaves greatly influenced the webbing process. The larger area of the leaves, the greater number of stitches made and the longer time taken for completing the webbing. The larva changed the position while webbing, if the leaf area was large. Smaller leaves were webbed quickly, even if the length of the larvae was short.

elnayer15@yahoo.com