

Abd El- Gayed, A. A. (2009): Population dynamics of *Saissetia coffeae* Walker (Homoptera : Coccidae) and its parasitoids on guava in middle Egypt. *Fayoum J. Agric. Res. & Dev.*, 23 (2): 22 – 31.

Studies on the seasonal fluctuations of the population of *Saissetia coffeae* Walker (Homoptera: Coccidae) and its parasitoids were conducted in Beni-suif Governorate during the period extending from May 2006 until April 2008. The parasitoid species, *Coccophagus lycimnia* Walker, *Marietta leopardina* Motsch. *Metaphycus helvolus* Comp. and *Scutellista cyanea* Motsch. were found associated with *S. coffeae*. The hemispherical scale insect, were appeared either three or two periods of activity (generation) during the first and second seasons, respectively. The highest peak counts was observed during winter (December and January). On the other hand, the parasitoids activity appeared in three periods in both season in combination with those of the insect pest. The climatic factors (max. & min. temp. and % R.H.) affected insignificantly on the population of each insect pest and the parasitoids, while the correlation between both populations was significant in both season of study.