

### Article title

## Study of the fig wax scale insect *Ceroplastes rusci*(Linnaeus) (Homoptera: Coccidae) and the predatory activity of *Eublemma Scitula*(Ramb.)under three different environmental conditions.

### Abstract

The fig wax scale insect *Ceroplastes rusci* (Linnaeus) is a serious pest of fruit in many countries. In this study we investigated the efficacy of an endemic predacious moth, *Eublemma scitula* (Ramb.), as a potential biocontrol agent. There was a trend for *C. rusci* and *E. scitula* growth time at all stages decrease as the temperature and relative humidity increase. Also, the average number of eggs/ female increased with increase of temperature and relative humidity. Where the number of eggs/female at 26, 28 and 30C° were 1141.5, 1157, and 1167 egg/female, respectively. Also, the results which tabulated, describe that the female predator preferred the *C. rusci* for laying the eggs over another different hosts. Finally, the rate of predation for the used predator increased gradually with increasing in the temperature and relative humidity.