

Article title
Field and laboratory studies on the leaf miner
***Chromatomyia horticola* Goureau(Diptera: Agromyzidae)**
and its parasitoids in Fayoum Governorate

Abstract

In both season of study, the lowest count of *C.horticola* larvae and pupae /50 compound leaf, correlated with the lowest percentage of parasitism was recorded in the 1st Dec. 147 and 14.3% in the first season(2006-2007) and 141 and 21.2% in the second season(2007-2008), respectively. While the highest counts were recorded during the last week of March in both seasons(328 and 37.1%;and 278 and 39.9% respectively).The longest durations of the different immature stages and their total for both insect(*C.horticola* and *N.formosa*) were recorded at the lowest temperature,20C° reduced significantly with the increase rearing temperature. The longest pre-oviposition period was recorded at the lowest temperature 20C° reduced obviously with increase of the temperature. On contrary, the shortest periods of oviposition and longevity of female and male were recorded at the lowest temperature, 20C° increased gradually, however, insignificantly with increase of temperature. Finally, the lowest fecundity in both insects was recorded at the lowest rearing temperature, 20C°.