Appl. Ent. Phytopath.
Vol. 63, 1&2, Feb. 1996

Biology of *Lobesia botrana* in Fars province

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ABSTRACT

Lobesia botrana Schif is an impotrant pest in the vineyards of Fars province. The studies carried out in Shiraz, as a temperate and Bavanat as acold region, indicate that the pest overwinter as pupae. Cocoons are formed under the bark scales. Adults emerge in spring within 8-9 days, when the average daily temperature reaches 10°C, usually coinciding with pre-flowering stage of the host plant. However at this time the damage is very low. In temperate regions following generations may exert a damage over 10 percent, necessiating chemical spraying.

In Shiraz, a generation of insect under the condition of t=30-32°C and RH=40-45% is accomplished in 30-32 days (Embrionic stage 8-10, larval stage 17-18 and pupal stage 7.8 days). The pest has 3 generation in the cold and 4 generation in temperate regions.

There is as Ichneumonid parasite in the vineyards of Shiraz destroying some 20-25% of the larval population of the pest.

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