



## MONITORING THE EFFECT OF SOME INSECTICIDES FOR CORN STEM BORER CONTROL, AT DEIR EZ-ZOR REGION, SYRIA

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### ABSTRACT

The corn stem borers larvae (species *Sesamia cretica* Led., *Sesamia nonagrioides* Lef. and *Ostrinia nubilalis* (Hübner)) are considered the major pests attacking *Zea mays* L. The larvae bore into stems and ears which cause a significant decrease of both quantity and quality of yield. This research was completed at Eastern region of Syria during 2004 and 2005 corn growing season, aiming to control these corn borer species with some insecticides; Avaunt 150SC (Indoxacarb 150 g / L),

Sumialpha 5EC (Esfenvalerate 50 g / L), Proclaim 05SG (Emamectin benzoate 50 g / Kg), Comply 25WP (Fenoxycarb 205 g / Kg) and Agerin 6.5WP (*Bacillus thuringiensis kurstaki* 32000 IU / Mg). The results showed that in corn attacked by *Sesamia cretica*, *Sesamia nonagrioides* and *Ostrinia nubilalis* the infested rate reached up to 38 % on stems and 18.5 % on ears at control plots. Results also showed high efficacy of insecticides Avaunt 150SC, Sumialpha 5EC, Proclaim 05SG, Comply 25WP and Agerin 6.5WP in reducing the infested rate in stems to about 6, 8.1, 11.5, 13.5 and 21.2 %, respectively. And to about 4.5, 6.1, 7.2, 7.9 and 11.1 % in ears by Avaunt 150SC, Sumialpha 5EC, Proclaim 05SG, Comply 25WP and Agerin 6.5WP, respectively. These results gave rise to a positive increase in the yield of corn seeds.

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