

Yossef, Narmen A. and **Abd-Elgayed, A. A.** (2015): Evaluation of some commercial formulations against *Spodoptera littoralis* and *Hypera brunneipennis* larvae, Annals of Agric. Sci., Moshtohor, 53(2): 295 – 302.

الملخص الانجليزي :

The insecticidal activity of three commercial Bt – formulations and one fungus; namely Dipel Df , W- Bus and Protecto (*Bacillus thuringiensis var.kurstaki*) and Biofly (*Beauveria bassiana*) were tested against 2nd and 4th instar larvae of *Spodoptera littoralis* (Boisd) and *Hypera brunneipennis* (Boheman) were studied under laboratory conditions .Results revealed that Bt- formulations caused the larval mortality after treatment of *S. littoralis* 2nd and 4th larval instars ranged from 40 to 100 % and 32.5 to 92.5 % and reached 100 ,85 and 100 % for *H.brunneipennis*, respectively at the highest concentration after 7 days of treatment compared to 77.5 % and 60 % for *S.littoralis* and 95 and 85 % for *H.brunneipennis* treatments by Biofly. The Dipel Df and W-Bus were highly efficient on the insect larvae, followed by Biofly and Protecto, respectively. Based on the LC₅₀ values,Dipel Df was the highest toxic to *S.littoralis* and *H.brunneipennis* than that of the other compounds. Pupation and adults emergence percentages were reduced by all treatments compared to control.