

B-18 Studies on the effect of insecticides on brinjal shoot and pod borer, *Leucinodes orbanalis*

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An experiment was conducted to evaluate, the effectiveness of insecticides (such as Decis, Ekalux, Monocrotophos, Sumicidin) and of the botanicals (such as Neem oil and Gardenia bud powder solution) of the brinjal pod borer, *Leucinodes orbanalis* larvae in the Agricultural Biology Laboratory, Eastern University.

All the insecticides and Gardenia significantly ($p < 0.05$) reduced larvae of *Leucinodes orbanalis*. However, the performance of Gardenia bud powder was significantly lower than all the insecticides used in the experiment. The performance of Decis was lower in controlling this pest, compared to other insecticides. Within the insecticides, Ekalux, Monocrotophos, Sumicidin were effective in controlling this pest. There were no significant differences of performance among these 3 insecticides. Neem oil and Neem oil with soap water solution are not effective in controlling this pest.

Therefore, based on these results, the insecticides such as Ekalux, Monocrotophos, Sumicidin may be considered as potential candidates to suppress *L.orbanalis*.