

Evaluation of Chemical and Botanical Insecticides Against Brinjal Epilachna Beetle

M Anuradha and P Arjuna Rao

Department of Entomology, Agricultural College, Bapatla 522101, Andhra Pradesh

ABSTRACT

Novel insecticides like diflubenzuron, bacospeine and a need formulation repel in were tested at the recommended concentrations and in combinations with the conventional insecticides like fenprothrin, monocrotophos and carbaryl at half the recommended doses against spotted leaf beetle of brinjal. Spraying was coincided with the moderate infestation of the beetle. Data were recorded one day prior to spraying and also at 1,5,10 and 14 days after spraying. Fenprothrin was found to be the best among all the treatments with 88.7 per cent reduction at one day after spraying. Combinations of diflubenzuron and bacospeine with fenprothrin were more effective with 90.4 and 88.7 per cent reduction at 5 days after spraying and with 95.7 and 92.2 per cent reduction over control at 10 days after spraying.

Key words : Brinjal, Conventional, Insecticides, Ladybird Beetle, Novel Methods of Pest Control