

Evaluation of Certain Newer Insecticides against Spotted Pod Borer, *Maruca vitrata* on Greengram

D Sravani, M Sessa Mahalakshmi, C Sandhya Rani and V Prasanna Kumari
Department of Entomology, Agricultural College, Bapatla 522 101, Andhra Pradesh

ABSTRACT

A field experiment was conducted during *rabi* 2014-15, to evaluate the efficacy of some newer insecticides along with conventional insecticides against spotted pod borer in greengram. Among eleven treatments evaluated for their efficacy against *Maruca vitrata* on greengram, novaluron 5.25 % @ 0.005 % + indoxacarb 4.5 % SC @ 0.004 % was numerically the best treatment with 85.67 per cent reduction in larval population over untreated control and recorded lowest per cent inflorescence and pod damage of 9.03 and 11.20 %, respectively. However, the incremental cost benefit ratio was highest from acephate 95 % SP @ 0.071 % (1: 5.36) due to its cheaper cost followed by combination insecticides *i.e.*, chlorpyrifos 20 % EC @ 0.04 % + dichlorvos 50 % EC @ 0.05 % (1: 4.33) and novaluron 5.25 % @ 0.005 % + indoxacarb 4.5 % SC @ 0.004 % (1: 3.78). Hence, conventional insecticides can also be used along with new insecticides for management of spotted pod borer in greengram.

Key words : Efficacy, Greengram , Insecticide, *Maruca vitrata*, Spotted pod borer.