

Evaluation of new insecticides and bio pesticides against defoliators on *Palak*

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ABSTRACT

The investigation was undertaken at the College of Horticulture, UHS, Bagalkot, during 2013-2014 to study the bio efficacy of different insecticides against *Agrotis segetum* (Denis and Schifferrmuller) and *Spoladea* (= *Hymenia*) *recurvalis* (Fabricius) on *Palak*. The results indicated that the newer molecules viz., emamectin benzoate 5 per cent SG @ 0.25g/lit indoxacarb 15.8 per cent EC @ 0.25 ml/lit and fipronil 5 per cent SC @ 1ml/lit were found very effective in minimizing the larval population and were superior in reducing the foliage damage and also fetched higher yields of 15.00, 15.11 and 15.33 t/ha, respectively throughout period of experiment. The highest ICBR (50.21) was obtained from the treatment indoxacarb 15.8 per cent EC @ 0.25 ml/lit.

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