



## RESEARCH PAPER

# Effectiveness of some insecticides on spotted pod borer, *Maruca vitrata* geyer (Lepidoptera: Pyralidae) in greengram

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**Abstract :** The effect of commercially available insecticides formulations, emmamection benzoate 0.5 per cent SG (0.5 g/ litre of water), quinalphos per cent 25 EC (2.0 ml/ lit.), novaluron 10 per cent EC (1.0 ml/ lit.), *Neem* oil 2 per cent (20 ml/lit.), karanj oil 2 per cent (20 ml/lit.) against the spotted pod borer, *Maruca vitrata* in greengram were evaluated. The most effective insecticide were emmamection benzoate > quinalphos > novaluron the maximum population reduction over control was found after 7 days of application of second spray at 15 days of interval viz., 72.66 and 68.20 per cent due to emmamection benzoate, quinalphos, respectively during 2015. A similar trend was found in 2016 and 2017. Thus, emmamection benzoate was found most effective against the spotted pod borer, *Maruca vitrata* Geyer (Lepidoptera: Pyralidae).

**Key Words :** Greengram, Emmamection Benzoate, Novaluron, *Maruca vitrata*

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