

# Seasonal Occurrence of Spotted pod borer, *Maruca vitrata* (Geyer) (Pyralidae: Lepidoptera) on Greengram in *Rabi*

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## ABSTRACT

Field experiment was conducted to study the seasonal occurrence of spotted pod borer, *Maruca vitrata* (Geyer) (Pyralidae: Lepidoptera) on greengram at Agricultural Research Station, Madhira, Khammam district during *Rabi*, 2009-10 and 2010-11. The results revealed that, the initial incidence of *M. vitrata* was observed during the last week of November to 1<sup>st</sup> week of December *i.e.* at the bud initiation stage of the crop. Peak bud infestation (50.0%) was noticed in 48<sup>th</sup> standard week. The population and infestation gradually declined and reached minimum and the pest has disappeared by the third week of January. The results showed that all the weather variables together contributed to the per cent variation in larval population, bud infestation, flower infestation, webbing and pod damage by 70.52, 73.79, 38.52, 40.50 and 89.60 per cent respectively. Of the five variables in question, maximum temperature has been found to exert significant negative influence whereas, minimum temperature exert significant positive influence on larval population and bud infestation. But it is reverse in case of flower infestation and webbing. All the weather variables have been found to exert significant influence on pod damage in *rabi* season.

**Key words :** Greengram, *Maruca vitrata*, Seasonal occurrence, *Rabi*.