

RESEARCH ARTICLE

# Occurrence of insect-pests and natural enemies in rice (*Oryza sativa* L.) agro-ecosystem

■ DHARMENDRA KUMAR<sup>1\*</sup>, M. RAGHURAMAN<sup>1</sup>, JANARDAN SINGH<sup>2</sup>, SHOWKAT A. WAZA<sup>2</sup> AND KAUSHAL KUMAR<sup>3</sup>

<sup>1</sup>Department of Entomology and Agricultural Zoology, Institute of Agricultural Sciences, Banaras Hindu University, VARANASI (U.P.) INDIA

<sup>2</sup>Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, VARANASI (U.P.) INDIA

<sup>3</sup>Department of Agronomy, Institute of Agricultural Sciences, Banaras Hindu University, VARANASI (U.P.) INDIA

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## \*Corresponding author:

Email: vermaento@gmail.com

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## ABSTRACT

The present survey was conducted during *Kharif* 2011 and *Kharif* 2012 in Varanasi district of Uttar Pradesh, India. Twenty six insect-pests and natural enemies of crop plants, belonging to 9 different orders (including Acarina group) were recorded in the rice (*Oryza sativa* L.) agro-ecosystem. The maximum percentage of insect-pests and natural enemies were recorded in the order Coleoptera (23.10%), followed by Lepidoptera (15.40%), Homoptera, Isoptera and Thysanoptera. Insect pests *viz.*, yellow stem borer, green leaf hopper and gundhi bug were highest in proportion, whereas rest others were found to be medium or low in proportion. Among natural enemies and predators, rove beetles, tiger beetles, carabid beetles, damsel flies and dragon flies were recorded from the rice agro-ecosystem.

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