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RESEARCH ARTICLE :

Efficacy of acetamiprid against brown plant hoppers (*Nilaparvata lugens* Stal) in rice

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SUMMARY : The field experiments were conducted for evaluation of acetamiprid, a neonicotinoid insecticide, against brown planthopper (BPH) at experimental field, college of Agriculture, RARS,Murjhad Farm, Waraseoni, Balaghat M.P. during *Kharif*, 2015 with seven treatments replicated thrice following Randomized Block Design. Results revealed that acetamiprid performed very good spectrum of action throughout the seasons against BPH population than the imidacloprid. Acetamiprid 20% SP was found quite effective against BPH at 20 g a.i./ha and was also very safe to the important predators recorded to be present in rice field. Highest rice yield and B;C ratio were recorded with the treatment of acetamiprid at 20 g a.i./ha.The results obtained indicate that no phyto-toxicity was observed even at 4X dose of acetamiprid.

KEY WORDS :
Neonicotinoid, Brown planthopper, Acetamiprid

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