

## Bioefficacy of newer neonicotinoids against sucking insect pests of Bt cotton

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### ABSTRACT

A field experiment was conducted at the experimental farm of Department of Entomology, Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani during *Kharif* 2013 to evaluate the bio-efficacy of neonicotinoids against sucking pests of *Bt* cotton. The results revealed that significantly lowest population of sucking pests per three leaves was recorded in nitenpyram 10 per cent WSG @ 100 g a.i./ha, dinotefuran 20 per cent SG @ 50 g a.i./ha and clothianidin 50 per cent WDG @ 20 g a.i./ha were the most effective treatments in reducing incidence of sucking pests on *Bt* cotton as compared to acetamiprid 20 per cent SP @ 20 g a.i./ha, imidacloprid 17.8 SL, thiamethoxam 25 per cent WS @ 25 g a.i./ha and thiacloprid 21.7 per cent SC @ 30 g a.i./ha.

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