

Bio-efficacy of biopesticides and certain chemical insecticides against mustard aphid (*Lipaphis erysimi* Kalt.) on mustard crop under field condition

■ SACHIN KUMAR* AND ASHWANI KUMAR

Department of Entomology, Sam Higginbottom Institute of Agriculture, Technology and Sciences, ALLAHABAD (U.P.) INDIA

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*Corresponding author:

Email: sachin.entomology@gmail.com

ABSTRACT

The experiment was conducted on bio-efficacy of Biopesticides and certain chemical insecticides against mustard aphid (*Lipaphis erysimi* Kalt.) at research farm Department of Entomology, SHIATS Allahabad during Rabi season of 2012-2013. Bio-efficacy of Biopesticides and certain chemical insecticides against mustard aphid (*Lipaphis erysimi* Kalt.) on mustard revealed that treatments of Dimethoate 30 EC followed by spraying of Malathion 50 EC and Neem oil (0.5%) were found more effective for control of *Lipaphis erysimi* Kalt., respectively. Whereas, the descending order of treatments were Neem oil > NSKE > Tobacco Leaf extract > *Bacillus thuringiensis* > *Beauveria bassiana* > *Metarhizium anisopliae*. The least effective treatment was *Verticillium lecanii*. Maximum infestation was recorded in control.

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