



RESEARCH PAPER

Economics of treatments for management of mustard aphid (*Lipaphis erysimi* Kalt) on mustard (*Brassica campestris* L.)

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Article Info : Received : 23.12.2015; Accepted : 10.02.2016

The experiment were conducted on 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 2012-2015. Result showed that significantly higher seed yield and net return were recorded with spraying of dimethoate 30 EC followed by malathion 50 EC and neem oil (0.5%), respectively. The cost benefit ratio descending order was dimethoate 30 EC > malathion 50 EC > NSKE > *Bacillus thuringiensis* > neem oil > *Beauveria bassiana* > *Metarhizium anisopliae* > *Verticillium lecanii* > tobacco leaf extract.

Key words : Aphid, Cost benefit (C: B) ratio, Dimethoate, *Lipaphis erysimi*, Malathion, Neem oil, NSKE

How to cite this paper : Kumar, Sachin and Kumar, Ashwani (2016). Economics of treatments for management of mustard aphid (*Lipaphis erysimi* Kalt) on mustard (*Brassica campestris* L.). *Asian J. Bio. Sci.*, **11** (1) : 119-121 [Special Issue of AFBSAH-2016].