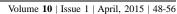
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## RESEARCH PAPER

## Development of suitable integrated pest management module for major lepidopteran insect pests of cabbage (*Brassica oleracea* var. *capitata*)

SOMNATH DESHMUKH, H.V. PANDYA, S.D. PATEL, M.M. SAIYAD AND P.P. DAVE

Department of Entomology, ASPEE College of Horticulture and Forestry, Navsari Agriculture University, NAVSARI (GUJARAT) INDIA

Email: hvpandya@nau.in

**Article Info:** Received: 09.12.2014; Revised: 16.02.2015; Accepted: 01.03.2015

Investigation on development of suitable integrated pest management module for major insect pest of cabbage (*Brassicae oleracea* var. *capitata*) was carried out in experimental field of Navsari Agricultural University, Navsari, Gujarat. In case of larval population of *C. binotalis*, *S. litura*, *P. xylostella* and *H. armigera* was found in sole synthetic insecticide module  $M_3$  (0.23, 0.35, 1.61 and 1.78/ plants, respectively) followed by eco-friendly pest management module  $M_1$  (0.23, 0.98, 1.50 and 1.51/ plants, respectively) and botanicals bio-pesticides module  $M_2$  (0.30, 0.99, 1.62 and 1.65/ plants, respectively). As far as yield and economics is concerned, module  $M_3$  recorded highest yield of cabbage heads (28322.0 kg/ha) and consequently higher net gain over control (122050 Rs./ha) and higher net BCR (1:41.01). However, its effect in destructing natural fauna, polluting environment and causing residual problem should not be overlooked. Eco-friendly pest management module and botanicals and bio-pesticides module was next effective module in recording yield and net profit besides any adverse effect on natural fauna and did not leave any toxic residue.

Key words: IPM modules, Insect pests, Cabbage

How to cite this paper: Deshmukh, Somnath, Pandya, H.V., Patel, S.D., Saiyad, M.M. and Dave, P.P. (2015). Development of suitable integrated pest management module for major lepidopteran insect pests of cabbage (*Brassica oleracea* var. *capitata*). *Asian J. Bio. Sci.*, 10 (1): 48-56.