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RESEARCH **P**APER

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

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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

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