EVALUATION OF DIFFERENT BOTANICALS AND BIOPESTICIDES AGAINST HELICOVERPA ARMIGERA ON MARIGOLD


Department of Entomology, Rajmohini Devi College of Agriculture & Research Station, Ambikapur-497001 Surguja (Chhattisgarh) India

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Abstract: The different botanicals and bio-pesticides were tested against the natural incidence of the Helicoverpa armigera on marigold crop var. Morden during Rabi 2016-17. The experiment was undertaken in a randomized block design (RBD) with seven treatments viz., HaNPV (250 LE) @ 2ml/litre, NSKE @ (5%), Bacillus thuringiensis @ 2.5g/litre, Neem oil @ 4ml/litre, Beauveria bassiana @ 4gm/litre, Karanj oil @ 5% and Untreated control in three replications with 3 x 2.5 m² plots and row to spacing of 60 x 30 cm. In all two sprayings were undertaken so as to evaluate the effectiveness of the treatments and it was observed that the larval incidence at 1, 3, 5, 7 and 10 days after both spraying was lowest in plots sprayed with HaNPV. However the next best treatments in the order of effectiveness for the control of Helicoverpa armigera were NSKE 5%, Bacillus thuringiensis @ 2.5 gm/litre, Neem oil @ 4ml/litre, Beauveria bassiana @ 4ml/litre, Karanj oil @ 5%.

Keyword: Beauveria bassiana and Bacillus thuringiensis, HaNPV, Marigold, NSKE

REFERENCES


*Corresponding Author