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Using of Entomopathogenic Fungi against Fabae bean Aphid, Aphis craccivora (Koch)

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Abstract : Laboratory bioassay studies were carried with three different concentrations of *Beauveria bassiana* (Bals.) Vuill., *Metarhizium anisopliae* (Metsch.) Sorokin. and *Verticillium lecanii* (Zimm.) against *Aphis craccivora*. In the high concentration $(2 \times 10^5 \text{ spores/ ml.}) 100\%$ mortality was obtained with *V. lecanii* and *B. bassiana* followed by *M. anisopliae*. Mortality declined with the decrease in concentrations.

Lowest LC₅₀ value of 2.2 x 10 ³spores/ ml. was recorded by *V. lecanii*, which showed higher virulence compared to other isolates. The LC₅₀ values of *V. lecanii*, *B. bassiana* and *M. anisopliae* were 2.2 x 10 ³, 4.2 x 10 ³ and 6.2 x 10 ⁴spores ml., respectively. At the highest concentration of 2 x10⁵ spores/ ml., the Median LT₅₀ values for *V. lecanii*, *B. bassiana* and *M. anisopliae* were 4.8, 5.80 and 7.0 days, respectively. The LT₅₀ values were found to be inversely proportional to the spore concentrations.

Key words : Entomopathogenic Fungi, A. craccivora, control.

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