International Journal of ChemTech Research
CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.5, pp 527-534,2017

Virulence of some Entomopathogenic Fungi as AbioControl Agent on Tomato leaf miner, *Tutaabsoluta*(Meyrick) and*Bemisiatabaci* in Tomato Crop.

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Abstract: In this study, three concentrations (10^2; 10^3 and 10^4 Conidia/ ml.) of *Verticilliumlecanii,M. anisopliae*and *Beauveriabassiana*were prepared and tested on *T. absoluta*eggs and larvae (1st instar,2ndinstar &3rd instar) to study the virulence of these Entomopathogenic fungi on larval mortality In addition, eggs hatchability under laboratory conditions. Results showed that; the estimated LC_{50} of values of *V. lecanii*,*M. anisopliae*and*B. bassiana*were (0.20 x 10^2, 0.25x 10^2&0.35x 10^2), (0.23 x 10^2, 0.26 x $10^2$0.27 x 10^2) and (3.3 x 10^2, 5.0 x 10^2&3.4 x 10^2conidia/ml) for 1st instar,2nd instar&3rdinstar*T. absoluta*larvae, respectively. The higher concentration (10^4) was the higher mortality. Also, the three Concentration used against adult stage of *Bemisiatabaci*.Results showed that; the percent of mortalities are increased gradually and reached to the maximum in the 7th day from treatment. With the all concentrations, the percent of mortalities are increased with increase of concentrations. The percent of mortalities ranged between 70.2to 100 and 65.5to 100% with *V. lecanii* and *B. bassiana*, respectively, in the 7thday after treatment.

Keywords: Entomopathogenic Fungi, *Tutaabsoluta*, *Bemisiatabaci*.

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