Efficacy of certain insecticides and biocides against the tomato leafminer, Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) at Assiut Governorate.

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Abstract:

The tomato leafminer, Tuta absoluta (Meyrick), is one of the key pests of tomato. Chemical control has been the main method of controlling it. However, reduced efficacy of some of the recommended insecticides has been observed. An experiment was conducted at Manfalout district Assiut Governorate during two successive tomato seasons (2012 & 2013) to evaluate the efficacy of different insecticides for the control of the tomato leafminer, T. absoluta on tomato. Eight treatments (five insecticides + control) in randomized complete block design were oriented. Five insecticides Demeron 10% Ec, Avaunt 15% EC, Coragen 20% SC, Proclim 5% SG, Radiant 12% SC, and two biocides namely; Dipel 65% DF and Mycotal 52% WG were applied. All the insecticides were significantly better than untreated check in reducing pest population after applications. Coragen 20% Sc proved to be the best followed by Dipel 6.5% DF and Radiant 12% Sc

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