سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكروفيلم

سامية محمد مصطفى

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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سامية محمد مصطفى

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة

سامية محمد مصطفى

بالرسالة صفحات لم ترد بالأصل

FIELD APPLICATION OF SOME MICROBIAL CONTROL AGENTS AGAINST SOME COMMON PLANT PARASITIC NEMATODES IN EGYPT

BY

Ezzat-Mohamed Abd El- Baky Noweer

B-Sc (Agric.) Cairo Univ., 1991
M.SC (Agric.) Cairo Univ., 1997

Thesis
SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIREMENTS
FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY

In
Agricultural zoology
(Nematology)

Faculty of Agriculture
Cairo University

2001

Name of Candidate: Ezzat Mohamed Abd- El baky Noweer **Degree :** PH.D
Title of Thesis : Field application of some microbial control agents against some common plant-parasitic nematodes in Egypt"
Supervisors : Prof Dr. Nagwa Abd El-Hamed Abd-El Bary , Prof Dr.D.M. El gendi , Prof Dr. E.A.Anter.
Department : Agricultural Zoology & Nematology , Faculty of Agricultural, Cairo Univ.
Branch: Nematology **Approval** / 14/7/2001

Abstract

The present study aimed towards the applications in fields of different microbial control agent against certain plant–parasitic nematodes of economic importance parasites on vital agricultural crops.

The results reveald that:

1-wheat straw medium was found to be the best medium in encourging the sporulation of Dactylaria brochopaga, Arthrobotrys oligospora, Dactylella geapheropaga fungi.

2-Reduction percentage means in soil larval population in Dtlx- 1011 biocompound treatment was (97.7%) Followed by 89% (R%) in the treatment of Dbx-1003 while in Vydate treatment was (59%) on tomato plants infested with M. incognita.

3-Dbx – 1003 biocompound was the most superion with values mean reduction XR%= 90.5% , reduction range R.R=59.5- 98.4% on peanut first experiment.

4-The Reduction percentage (R%) of the soil larvae as a result of using the three microbial compounds Adx-1010, Dbx-1003 and Dtlx-1011 arranged designingly over Nameless, Vertemic 0.1 & 1%, Furidan in peanut roots, They gave also the highest peanut yields.

5-The Microbial compounds Dbx, Adx, Dtlx were used in plastic house conditions to control M. incoginta infested the cucumber plants.

6-The M.compound Dbx give the highest effect in reducing the nematode reproduction, Also the M.compounds Dbx , Adx, Dtlx gaves the highest cucumber yields in plastic house compared to the other treatment .

7-The highest mean R% in soil larvae population were caused by Dbx against root –knot nematodes on banana Williams and grapevine Flame seedless.

8-It was also noticed that survival of the commercial nematode-attraping fungi compounds was successfully active during the period of plants growing in all experiments.

Supervision

Nagwa Abd El Bary

Prof Dr/ Nagwa Abd El-hamed Abd El-bary

بسم الله الرحمن الرحيم

قالوا سبحانك لا علم لنا إلا ما علمتنا

إنك أنت العليم الحكيم

صدق الله العظيم

سورة البقرة آية (٣٢)

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