شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

بعض الوثائق الاصلية تالفة

بالرسالة صفحات لم ترد بالاصل

TAXONOMICAL AND BIOLOGICAL STUDIES ON SOME PREDACIOUS ACTINEDID MITES

By

Salwa Mahmoud El-Saeid Sholla

B.Sc. Agric. Sci., Plant Protection, Moshtohor, Zagazig University (1995)

A thesis submitted in partial fulfillment
of
the requirement for the degree of

Master of Science

in
Agricultural Science

(Agricultural Zoology)

Department of Plant protection
Faculty of Agriculture
Ain-Shams University.

2000

APPROVAL SHEET

TAXONOMICAL AND BIOLOGICAL STUDIES ON SOME PREDACIOUS ACTINEDID MITES

By

Salwa Mahmoud El-Saeid Sholla
B.Sc. Agric. Sci., Plant Protection, Moshtohor, Zagazig University (1995)

This thesis for M.Sc degree has been approved by:

Prof.Dr.Amina Mohamed Zaki
Prof. Of Agricultural Zoology, Fac. Of Agriculture, El-Menoufia University.
A. M. Zaki

Prof.Dr.Nabila Mahmoud Ebaid
Prof. Of Agricultural Zoology, Fac. Of Agriculture, Ain-Shams University.
Nabila Ebaid

Prof.Dr.Sherif Mostafa Hafez
Prof. Of Agricultural Zoology, Fac. Of Agriculture, Ain-Shams University.

Date of examination 19 \ 4 \2000

TAXONOMICAL AND BIOLOGICAL STUDIES ON SOME PREDACIOUS ACTINEDID MITES

By

Salwa Mahmoud El-Saeid Sholla
B.Sc. Agric. Sci., Plant Protection, Moshtohor, Zagazig University (1995)

Under the supervision of:

Prof. Dr. Sherif Mostafa Hafez

Prof. of Agricultural Zoology, Fac.of Agriculture, Ain-Shams University.

Dr. Samia Mohammed Kilany

Lecturer of Agricultural Zoology, Fac.of Agriculture, Ain-Shams University.

Prof. Dr. Mahmoud El-Sayed El-Naggar

Director of Plant Protection Research Institute

ABSTRACT

Salwa Mahmoud El-Saeid Sholla. Taxonomical and Biological Studies on Some Predacious Actinedid Mites. Unpublished Master of Science Thesis, Department of Plant Protection, Faculty of Agriculture, Ain-Shams University 2000.

This study was under taken to survey families belonging to Actinedid mites in the soil in defferent localities of Egypt (Cairo, El-Qualyobia, El-Menoufia, El-Beheira, Giza, El-Gharbia, Beni-suef, Alexandria and Sohage), as well as biological studies on the the most common predacious Cheyletid and Cunaxid.

1-Survey:

During the present study samples of 10 materials (plant and animal debris, manure, soil under citrus, cotton, palm trees, maize, mango, grasses and soil under wheat green), of about 200 gm were collected from 9 Governorates (Cairo, El-Qualyobia, Giza, El-Gharbia, Alexandria , El-Beheria, El-Menoufia, Beni-suef and Sohag).

Mites inhabiting soil of these samples were counted and identified as follows:

Cheyletus eruditus Schrank, ***Cheyletus malaccensis*** Oudemans, ***Acaropsella notchi*** (Gomaa and Hassan), ***Hemicheyletia bakeri*** Ehara, ***Hemicheyletia* sp.**, ***Cheletogenus ornatus*** (C. and F.), ***Acaropsis sollers*** (Rohdendorf), ***Acaropsis docta*** (Rohdendorf), ***Cheletomorpha lepidopterorum*** Show,

(Family: Cheyletidae) ***Coleoscirus tuberculatus*** Denheyer, ***Coleoscirus buartus*** Denheyer, ***Cunaxa capreolus*** (Berlese), ***Neocunaxoides anderi*** (Baker and Hoff), ***Pulueus glebulonatus*** (Denheyer), ***Scutoscirus sp***, (Family: Cunaxidae).

Agistemus exsertus Gonzalez, ***Agistemus sp*** (**Family: Stigmaeidae).**

Bdella longicornis Linnaeus, ***Cyta coerulipes*** Duges, ***Spinibdella reducata*** Thor, ***Spinibdella bifurcata*** Atyeo, **(Family:Bdellidae).**

2-Biological studies:

i- Biology of the cheyletid mites***Cheyletus malaccensis*** Oudemans and cunaxid mites ***Coleoscirus buartus*** were studied.

ii- Different biological aspects such as hatching, moulting, mating, feeding capacity and sex ratio were determined.

Adult stage proved to be most effective predacious stage as fed on greater number of preys amounting more than six times of the consumed by immatures.

Key words:

Cheyletus eruditus, Cheyletus malaccensis, Acaropsella notchi, Hemicheyletia bakeri, Cheletogenus ornatus, Acaropsis sollers, Acaropsis docta, Cheletomorpha lepidopterorum Coleoscirus tuberculatus, Coleoscirus **buartus, *Cunaxa capreolus, Neocunaxoides anderi, Pulueus glebulonatus, Coleoscirus buartus, , Agistemus exsertus, Bdella longicornis, Cyta coerulipes Spinibdella reducata, Spinibdella bifurcata,*** **Bdellidae, Cheyletidae, Cunaxidae, Stigmaeidae, Biology, Morphology, Soil mites, Predacious mites.**

ACKNOWLEDGEMENT

The writer wishes to express her deep thanks and gratitude to Prof.Dr. Sherif, M. Hafez.Professor of Agricultural Zoology of the Plant Protection Department;Faculty of Agriculture, Ain Shams University for supervision, valuable guidance, encouragement and revising the manuscript.

The authore is indebted with gratefulness to Prof. Dr. Mahmoud El. El-Naggar, Director of Plant Protection Research institute, Agric. Res. Center, for suggesting the problem, supervistion, valuable advice and continuos guidance.

Sincere thanks with gratitude are also due to Dr. Samia M. Kilany Lecturer of Agricultural Zoology, Plant Protection Department, Faculty of Agriculture, Ain-Shams University for supervision, great help during the course of study.