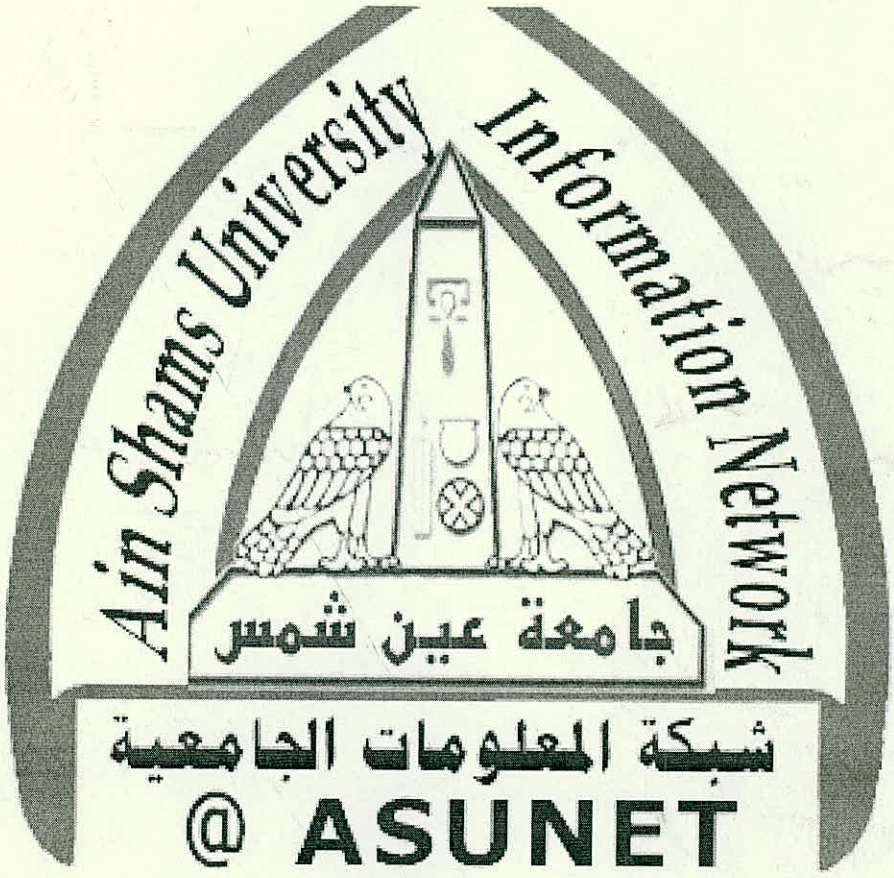
شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

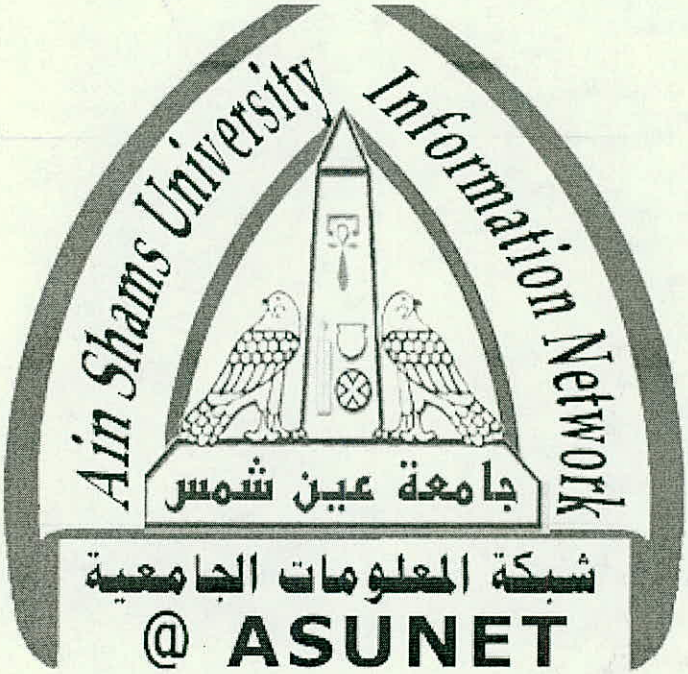
نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل

STUDIES ON SOME PIERCING-SUCKING INSECT SPECIES INFESTING CERTAIN OIL CROPS IN EGYPT

BY

HAMADA MOHAMED ABD-ELHAMIED ABD-ELWARETH

B.Sc., Agric. (Plant Protection), Cairo University, Fayoum-Branch, 1992

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

MASTER of SCIENCE

in
Agricultural Science
(Economic Entomology)

Department of Plant Protection.
Faculty of Agriculture
Ain Shams University

2000

APPROVAL SHEET

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Date of examination: 19/ 6/ **2000**

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ABSTRACT

HAMADA, M. A. H. Abdel-Wareth. "Studies on some piercing-sucking insect species infesting certain oil crops" Unpublished M. Sc. Thesis, Ain Shams University, Fac. of Agric., Department of Plant Protection, 2000.

Three piercing-Sucking insect groups i.e, aphids, leafhoppers and whiteflies were studied on three oil seed crops in Egypt namely soybean, sunflower and peanut at Seds Agric. Exp. Res. Station, Beni-Suef Governorate during two successive years 1996 and 1997.

Surveys of different piercing-sucking insect species were conducted in three localities namely Beni-Suef, Fayoum and Mounfia Governorates throughout one season, 1996.

Population densities and seasonal abundance of aphids, jasside and whiteflies and their associated predators on soybean, sunflower and peanut were estimated throughout two successive seasons (1996 and 1997).

Biological aspects of *Bemisia tabaci* on three host plant species were conducted under glass-house conditions, i.e. duration of immature stages, total duration of immature stage, percentage of apparent and intrinsic mortalities duration of adult stage (pre-ovipostion, ovipostion and post-ovipostion periods), fecundity, longevity of male and female and sex ratio.

Some agricultural practices, such as effect of planting date and effects of adding mineral fertilizers, nitrogen and potassium on the population densities of piercing–sucking insects infesting the three oil seed crops were studied.

Key words: survey, biology, population densities, agricultural practices, sowing dates, mineral fertilizers, aphids, leafhoppers, whiteflies, soybean, sunflower and peanut.

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