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جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله 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 %



ثبكة المعلومات الجامعية





Information Netw. " Shams Children Sha شبكة المعلومات الجامعية @ ASUNET بالرسالة صفحات لم ترد بالأص

INTEGRATED MITE MANAGEMENT

By

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B.Sc. High Institute of Agricultural Cooperation, 2000 (Cairo)

Thesis

Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Science

In

Pesticides

Department of pesticides

Faculty of Agriculture, Kafr El-Sheikh

Tanta University

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INTEGRATED MITE MANAGEMENT

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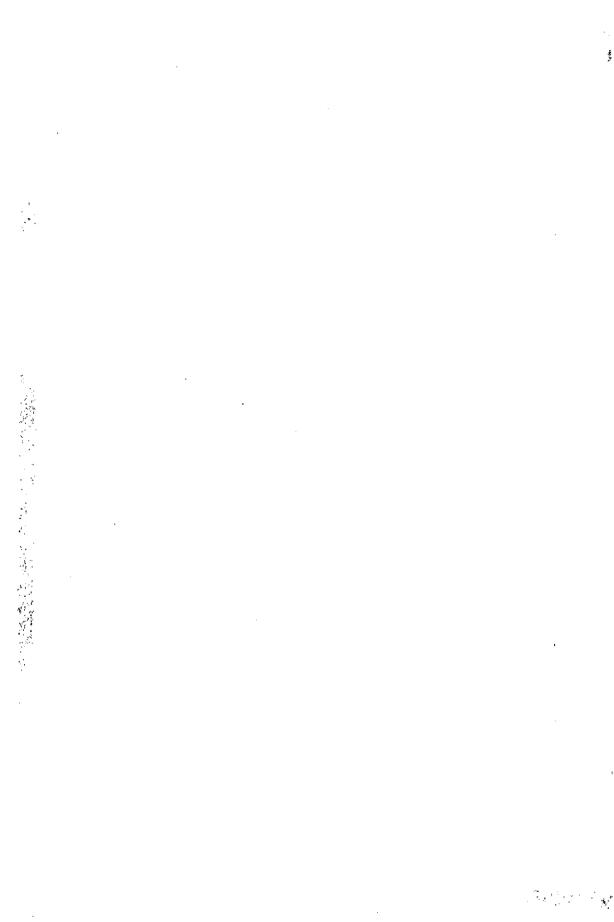
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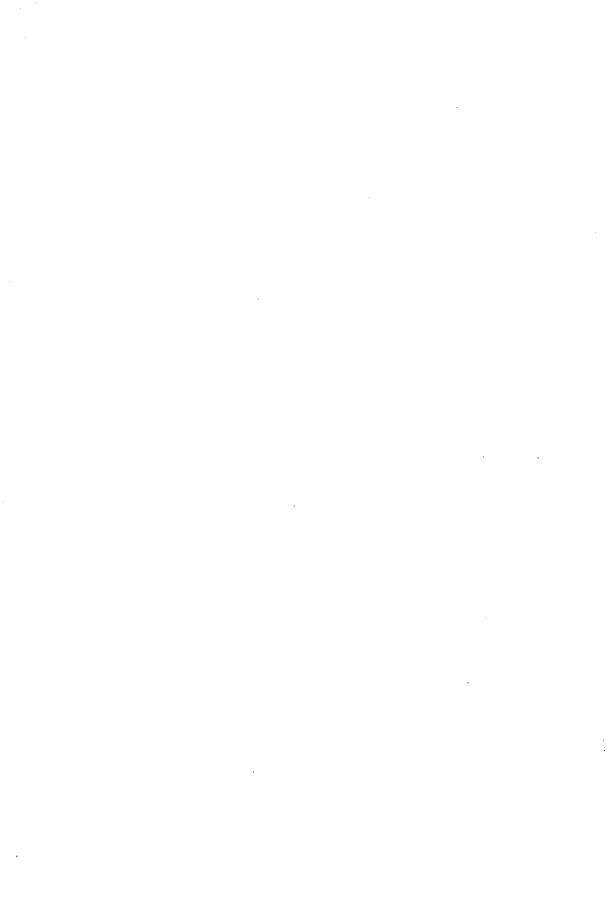
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INTEGRATED MITE MANAGEMENT

ABSTRACT

In preparation of the integrated mite management program, Laboratory experiments were carried out to evaluate the toxic effect of five compounds (three acaricides; Abamectin, Fenpyroximate and Etoxazole; one pyrethroid; Cypermethrin and one mineral oil Supermasrona) against the egg and adult females of the two spotted spider mite *Tetranychus urticae* (Koch) and adult females of predatory mite *Amblyseius gossipi* (El-Badry) on three different host plants (castor bean, green beans and tomato) using leaf-disc dip technique. The side effect of mentioned compounds on some biological aspects of two species of miteswere also evaluated.

Abamectin has a special position in integrated mite management mite control programs. Cypermethrin was the most effective compound tested on egg deposition of on *T. urticae* castor bean, while on the other two hosts occupies the next position after Fenpyroximate. Also, Cypermethrin was highly toxic compound that caused the highest decrease in egg hatchability especially on castor bean and green beans, but on tomato it occupies the next position after Fenpyroximate.

According to the nature of the chemical the prey egg consumption by the predator changed depending on time elapsed between egg contamination by chemical and egg introduction to the predator, also consequently the predator egg production.

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