



شبكة المعلومات الجامعية

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شبكة المعلومات الجامعية
التوثيق الالكتروني والميكروفيلم



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جامعة عين شمس

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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 الأصلية تالفة



بالرسالة صفحات نم ترد بالاصل

**Monitoring of pesticides pollution in River Nile
and irrigation canals at Kaliobia governorate.**

1996

By

SHERIF HUSSEIN ABD EL-RAHMAN

B.Sc. Agric., Pesticides, Ain Shams Univ., 1996

A thesis submitted in partial fulfillment

of

**the requirements for the degree of
MASTER OF SCIENCE**

in

**Agricultural Science
(Pesticides)**

Department of Plant Protection

Faculty of Agriculture

Ain Shams University

2000



APPROVAL SHEET

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ABSTRACT

Sherif Hussein Abd El-Rahman. Study of monitoring of pesticides pollution in River Nile and irrigation canals at Kalubia governorate. Unpublished M.Sc. thesis, Ain Shams University, Faculty of Agriculture, Department of Plant Protection, 2000.

Twenty-seven different pesticide residues were investigated in a variety of water, sediment and soil samples collected from three different locations at Kalubia governorate during two periods in 1999-2000.

The obtained results showed that most of the analyzed water, sediment and soil samples contained different residue levels of pesticides, according to sampling location and the time during which the samples were examined. Organochlorine pesticides were the main contaminants of sediment and soil samples, while some samples contained traces of other pesticides. Water, sediment and soil were contaminated with organophosphorous, pyrethroid and organochlorine pesticides.

An experiment was conducted to estimate the $t_{0.5}$ of effects of hardness and temperature on some pesticides: chlorpyrifos-ethyl (organophosphorous pesticide), fenprothrin (pyrethroid) and P,P-DDT (organochlorines pesticide).

Key words: Monitoring, contamination, pollution, pesticides, residues, River, canals, ground water, sediment, degradation, persistence.



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