



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ain Shams University Information Network
جامعة عين شمس

شبكة المعلومات الجامعية

@ ASUNET



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 الأصلية تالفة



بالرسالة صفحات نم ترد بالاصل

**EFFECT OF WATER TABLE DEPTH AND SALINITY
OF IRRIGATION WATER ON SOME WATER
RELATIONS AND PRODUCTIVITY OF COTTON**

B7033

By

Abdel-Kariem Mohamed Ali Abdel-Hady

B.Sc. Agric., Alexandria University, 1968

M.Sc. Agric., Soil Science, Faculty of Agriculture, Mansoura University, 1984

Thesis

Submitted in Partial Fulfillment of the Requirements for the Degree
of

DOCTOR OF PHILOSOPHY

in
Soil Science

Soil Department
Faculty of Agriculture
Kafr El-Sheikh
Tanta University
2001

Approval Sheet

Thesis Title: Effect of water table depth and salinity of irrigation water on some water relations and productivity of cotton.

Name : Abdel-Kariem Mohamed Ali Abdel-Hady.

Approved by

Prof. Dr. Mahmoud Mohamed Ibrahim *M. M. Ibrahim*

Prof. and Head of Soil Department, Faculty of Agriculture, Tanta, Tanta University.

Prof. Dr. El-Sayed Mahmoud Fawzy El-Hadidy *E. M. El-Hadidy*

Prof. of Soil Science, Faculty of Agriculture, Mansoura University.

Prof. Dr. Wagdy Mohamed El-Ghamry *W. M. El-Ghamry*

Chief Researcher, Soil, Water and Environment Research Institute, Agricultural Research Center.

Prof. Dr. Mohamed Ahmed Koriem *M. A. Koriem*

Prof. of Soil Physics, Faculty of Agriculture, Kafr El-Sheikh, Tanta University.

Date : / / 2001

Committee in charge

SUPERVISORS

Prof. Dr. Saber Abdou Gaheen

Professor of Soil Science

Faculty of Agriculture, Kafr El-Sheikh

Tanta University

Prof. Dr. Wagdy Mohamed El-Ghamry

Chief Researcher

Soil, Water and Environment Research Institute

Agricultural Research Center

Prof. Dr. Mahmoud Mohamed Ibrahim

Professor and Head of Soil Science Department

Faculty of Agriculture, Tanta

Tanta University

Prof. Dr. Mohamed Mohie El-Deen Saffan

Professor of Soil Science

Faculty of Agriculture, Kafr El-Sheikh

Tanta University

To My Dear Family

ACKNOWLEDGMENT

I would like to express my sincere gratitude to **Prof. Dr. Saber Abdou Gaheen**, Professor of Soil Science, Faculty of Agriculture, Kafr El-Sheikh, Tanta University for his continuous guidance, kind help, unlimited encouragement and valuable advice during the various stages of the work. Working under his supervision is great honor.

I am indebted to **Prof. Dr. Wagdy Mohamed El-Ghamry**, Chief Researcher, Department of Soil Salinity, Soil, Water and Environment Research Institute, Agricultural Research Center for his valuable support, brilliant remarks and careful interpretations of the results. His guidance and continuous concern are sincerely acknowledged.

I am also grateful to **Prof. Dr. Mahmoud Mohamed Ibrahim**, Professor and Head of Soil Department, Faculty of Agriculture, Tanta, Tanta University for his comprehensive assistance, encouragement and unlimited support. His honest valuable advices have been of great help in the preparation and arrangement of this work.

I wish to express my deepest and sincerest thanks to **Prof. Dr. Mohamed Mohye El-Deen Saffan**, Professor of Soil Science, Soil and Water Department, Faculty of Agriculture, Kafr El-Sheikh, Tanta University. His moral support, supervision, useful help and constructive suggestions throughout final preparation of the thesis are highly appreciated.

My special thanks to **Prof. Dr. Mohamed Safwat Shams**, Professor and Head of Soil and Water Department, Faculty of Agriculture, Kafr El-Sheikh, Tanta University for his continuous guidance, endless cooperation and helpful support.

My great thanks to **Dr. Ahmed Abdel-Razik Abou-Shal**, Assistant Professor of Soil Science, Department of Soil Salinity Research, Soil, Water and Environment Institute, Agricultural Research Center for his help, Cooperation and valuable effort during the preparation of this thesis.

My thanks also are due to **Dr. Gamal Abdel-Nasser Mohamed Khafil**, Assistant Professor of Soil Science, Faculty of Agriculture, Saba Basha, Alexandria University for his great help and sincere cooperation.

Finally, my appreciation and thanks to all staff members of Soil Salinity Laboratory, Alexandria for their help and support.