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# 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  
على هذه الأفلام قد أعدت دون أية تغيرات

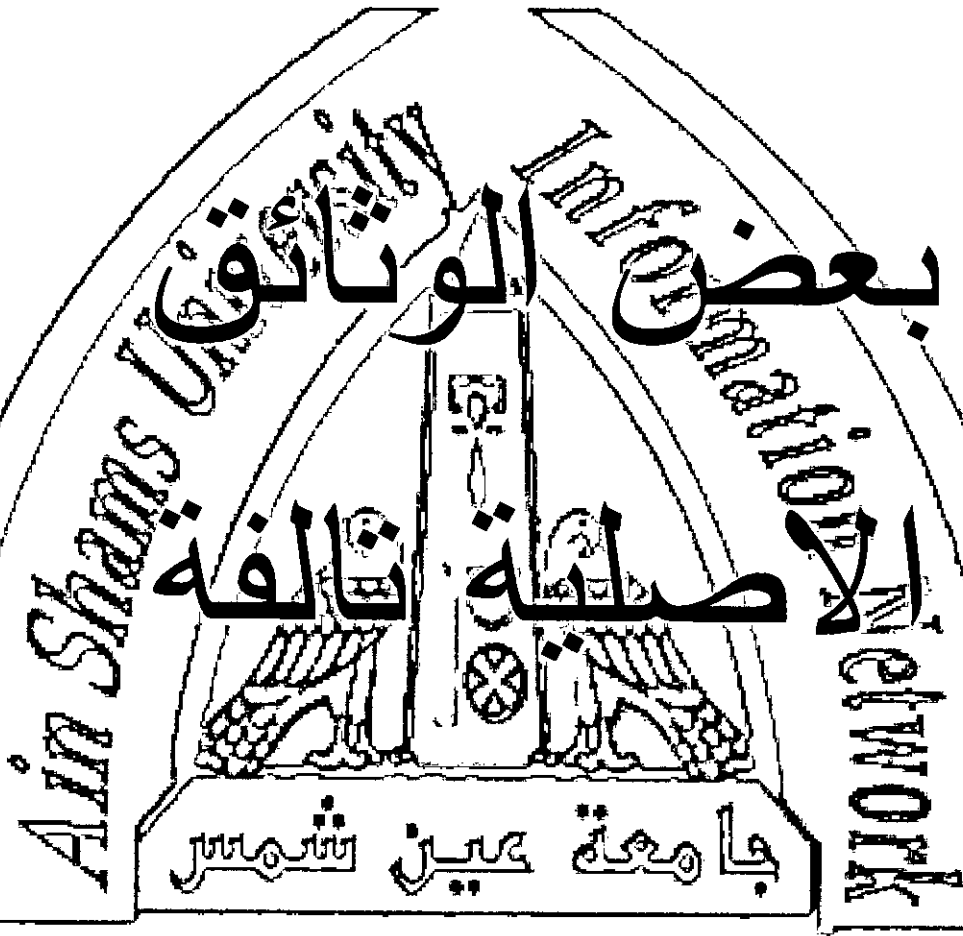


## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

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

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15-25- c and relative humidity 20-40%



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# بالرسالة صفحات لح



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**Effect of Irrigation and Harvesting Time on  
Yield and Quality of Onion cv. Giza 6**

**By**

**Amira Mostafa Kotb Hassan**

**B.Sc. Agric. (Vegetable Crops), Assiut University (1997)**

**THESIS**

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Requirements for the Degree of**

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Faculty of Agriculture  
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**Supervised by:**

**Prof. Dr. E.A. Waly**

**Prof. Dr. M.A. Farghali**

**Dr. A.K. Metwaly**

**Examined by:**

**Prof. Dr. A. El-Damarany**

**Prof. Dr. M.M.A. Abdalla**

**Prof. Dr. E.A. Waly**

**Prof. Dr. M.A. Farghali**

٢٤٤٤

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَاقْرَأْ رِيبًا زَاوِيًا حَلِيمًا  
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

## APPROVAL SHEET

**Title: Effect of Irrigation and Harvesting Time on Yield and Quality of Onion cv. Giza 6**

**By  
Amira Mostafa Kotb Hassan**

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

-----  
M. A. Farahat

-----  
A. M. Damany

-----  
S. A. Waly

**(Committee in charge)**

**Date: / /2004**



*This work is dedicated to  
the spirit of my Father  
and Grandmother*

A decorative scroll frame with a double-line border and ornate, curved corners. The word "ACKNOWLEDGEMENT" is centered within the frame.

**ACKNOWLEDGEMENT**

## *ACKNOWLEDGMENTS*

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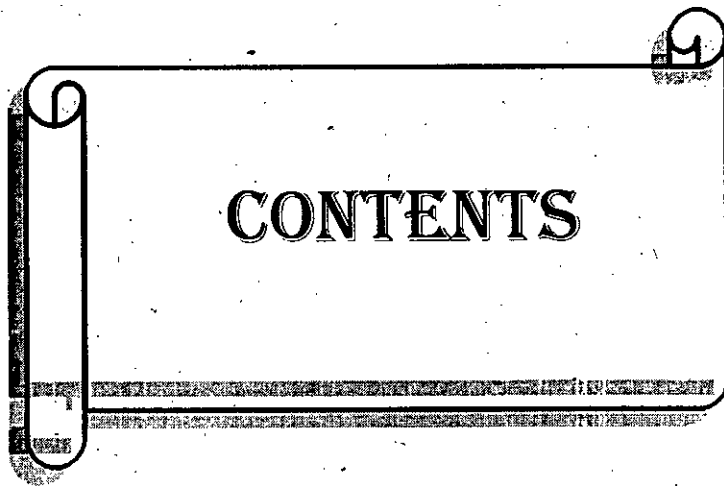
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*Amira Mostafa Kotb*



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# INTRODUCTION

## **INTRODUCTION**

Onion (*Allium cepa* L.) is considered one of the most important vegetable crops in Egypt. The cultivar Giza 6 is grown as a winter crop in Upper Egypt.

Onion growers are well aware that soil moisture is one of the major factors affecting yield and quality of onion. Since irrigation system was changed from basin to permanent irrigation and the weather temperature became higher than before, the purpose of the present investigation was to determine the optimal quantity and intervals of irrigation for production of Giza 6 cultivar of onions grown in Upper Egypt.