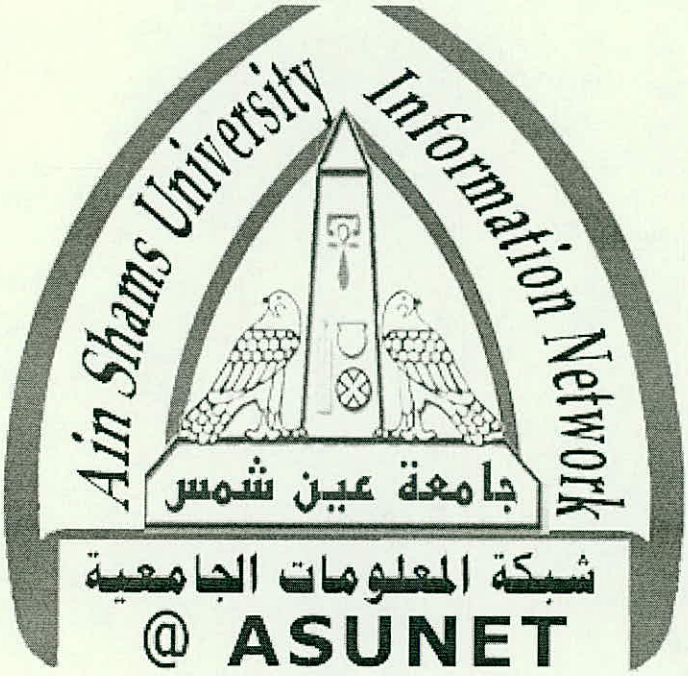
شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية



شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

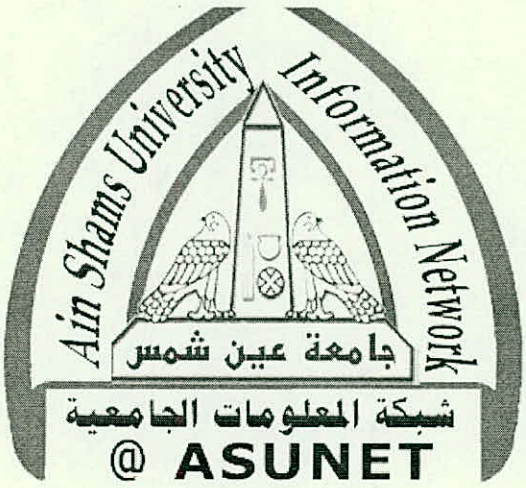
شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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

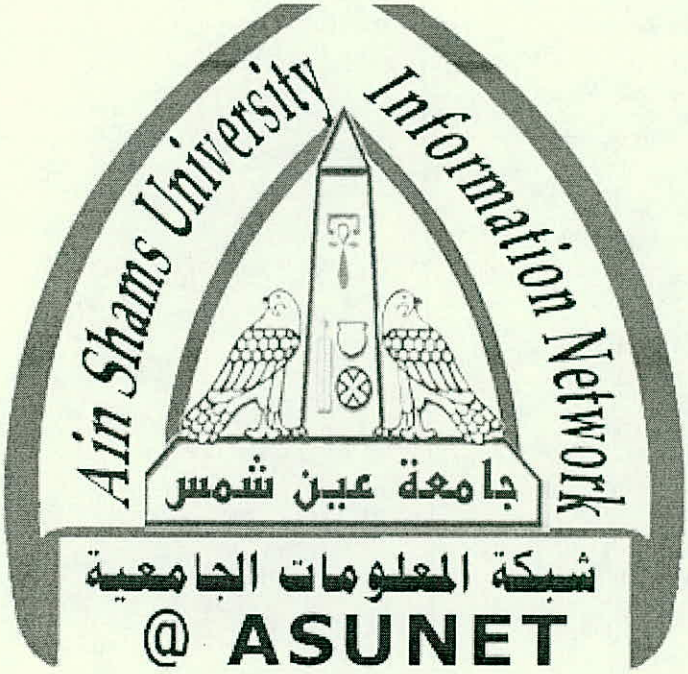


يجب أن

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

PHYSIOLOGICAL STUDIES ON SWEET CORN

By
MANAL MOHAMED ATTIA EL SEIDY
B.Sc. Agric.(Horticulture), Ain Shams Univ., 1990

**A thesis submitted in partial fulfillment
of
the requirement for the degree of**

Master of Science

**in
Agricultural Science
(Vegetable Crops)**

**Department of Horticulture
Faculty of Agriculture
Ain Shams University**

2001

APPROVAL SHEET

PHYSIOLOGICAL STUDIES ON SWEET CORN

BY

MANAL MOHAMED ATTIA EL SEIDY
B.Sc. Agriculture (Agric. Horticulture), Ain Shams Univ., 1990

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Date of Examination : 18/4/ **2001**

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ABSTRACT

Manal Mohamed Attia El-Seidy "Physiological studies on sweet corn". Unpublished Master of Science Thesis, University of Ain Shams, Faculty of Agriculture, Department of Horticulture, 2001.

This study was conducted in two trials. The first was carried out during the two seasons of 1997/1998 and 1998/1999 while the second trial was performed during the two subsequent seasons of 1998/1999 and 1999/2000. The first trial was carried out at a private farm at, Ayatt, Giza Governorate. The second trial was carried out at Kaha Experimental Station, Vegetables Research Department, Ministry of Agriculture.

In the first trial seeds of sweet corn (*Zea mays* L.) of Challenger and Dynasty hybrids were sown in each season in September 6 weeks after soil solarization to study the effect of soil solarization on pathogens, weeds, yield and quality of sweet corn ears.

In the second trial the same hybrids of sweet corn were harvested and trimmed (husked, unhusked ears) then wrapped with stretch and stored at 0°C to study the behaviour of hybrids during storage.

Results indicated that soil solarization decreased total fungi, total bacteria and total nematodes and also decreased annual broad leaved weeds, annual grasses in number and fresh weight, yield and quality of ears was also improved wrapping by stretch film extended storage period and reduced weight loss, and maintained quality.

Key words : Soil solarization, weeds, pathogens, yield, plant growth, post harvest and handling, cold storage, wrapping, packaging.

ACKNOWLEDGEMENT

Praise and thanks be to ALLAH, the most merciful for assisting and directing me to the right way

I would like to express my deepest thanks and gratitude to **Prof. Dr. Ibrahim Ibrahim El-Oksh** Prof. of Vegetable Crops, Ain Shams Univ., for his supervision, valuable help and continuous support during preparing this work.

My deepest and sincere gratitude to **Dr. Rawia El-Bassiouny Ibrahim**, Senior Researcher of Vegetable handling, Agric. Research Center, Ministry of Agriculture, for her supervision, valuable help during the progress of this study.

I wish to thank **Prof. Dr. Mamdouh Mohamed Fawzy Abdallah** Prof. of Vegetable Crops, Ain Shams Univ. for his great help and support during carrying out this work.

Sincere thanks are due to **Agricultural Materials Company, LTD. As grow agent, Al PHARANA for Export and Import Company** and **Taddros, L. Magar agent, Syngenta Company** for introducing available facilities and technique help required during this investigation.