

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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بالرسالة صفحات
لم ترد بالأصل



**EFFECT OF ALGAE, AMINO ACIDS AND
COMPOST EXTRACT ON THE GROWTH
AND PRODUCTIVITY OF FLORIDA
PRINCE PEACH TREES**

BY

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B.Sc. Agric. Sci. (Pomology), Fac. Agric., Benha Univ., 2007

THESIS

**Submitted in partial Fulfillment of the
Requirements for the Degree of**

MASTER OF SCIENCE

In

**Agricultural Sciences
(Pomology)**

**Department of Pomology
Faculty of Agriculture
Cairo University
EGYPT**

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Formul Reviewer

Vice Dean Graduate Studies

APPROVAL SHEET

EFFECT OF ALGAE, AMINO ACIDS AND COMPOST EXTRACT ON THE GROWTH AND PRODUCTIVITY OF FLORIDA PRINCE PEACH TREES

M.Sc. Thesis

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Title of Thesis: Effect of algae, amino acids and compost extract on the growth and productivity of Florida prince peach trees.

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ABSTRACT

This study was carried out during two successive seasons 2014 and 2015 on eight years old peach trees cv. "Florida prince" budded on Nemagard rootstock grown in sandy soil of private orchard at El-Sadat region in El-Menoufiya governorate Egypt. This investigation was aimed to study the effect of soil application of organic manure (plant compost, chicken manure) and control and some organic fertilizers as foliar spraying (Algae extract, Amino acids, compost tea) and control on vegetative growth, yield and fruit quality of peach cv. "Florida prince". The results indicated that the chicken manure at 100% alone or with foliar spraying by algae extract at 100% gave the highest significant values of all vegetative growth parameters including trunk diameter, shoot length, leaf area, and total chlorophyll and leaf mineral contents in both seasons. Also, this treatment produced the best fruit physical and chemical characteristics.

Key words: Peach, organic manure, Algae extract, Amino acids, compost extract, vegetative growth, fruit quality.

DEDICATION

First and foremost my unlimited thanks and praise to "Allah" who shed me with his mercy and by his will to achieve this work,

*I dedicate this work to whom my heartfelt thanks; to my Father **Said Abd El -Fatah** , my **mother** and my friend **Abas Abd El-moniem** for their Patience and for all the support they lovely offered along the period of my post-graduation.*

