شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

﴿ قَسَـــم ﴾

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

EVALUATION OF SOME NEWLY PEACH CULTIVARS (*Prunus persica* L.) GROWN IN EGYPT UNDER DESERT CONDITIONS

By

HEND HUSSEIN KHALIFA HUSSEIN
B.Sc. Agric. Sci. (Pomology), Fac. Agric., Ain Shams Univ., 2003

THESIS
Submitted in Partial Fulfillment of
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In

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Faculty of Agriculture
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EGYPT

2011

APPROVAL SHEET

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Date: / / 2011

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Title of Thesis: Evaluation of Some Newly Peach Cultivars (*Prunus persica* L.) Grown in Egypt Under Desert Conditions.
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ABSTRACT

The present investigation aimed to study vegetative, flowering and fruit characteristics in order to evaluate and determine performance of four newly peach cultivars (Hermosillo* & Desert Pearl** & Bokkeveld** & De Wet**) grown in Egypt under desert conditions. This study was conducted during two successive seasons 2007 and 2008 on four years old peach trees budded on Nemaguard rootstock, of uniform growth in sandy soil in a private orchard at El-Khatatba region, Menofia Governorate, Egypt.

The obtained results and observations showed that Desert Pearl was the shortest flowering duration cultivar and had the highest significant percentage of vegetative buds. While, the longest duration of flowering was obtained with Bokkeveld cultivar. Highest significant percentages of fruit set were observed from De Wet and Hermosillo. De Wet was harvested early at May 22th, 6th during both seasons. In terms of yield per tree Hermosillo showed significantly higher values for the studies fruit characteristics compared to other cultivars. While, the highest average fruit shape index (L/D) was obtained from Bokkeveld cultivar. Flesh color was yellow for all cultivars under study except Desert Pearl which had Light yellow Flesh.

Meanwhile, the evaluations considered Hermosillo, Desert Pearl, Bokkeveld and De Wet cultivars noticeably found as suitable cultivars for growing in Egypt. Moreover, Hermosillo considered to be promising under Egyptian conditions due to high yield and De Wet may be contribute to increased export peach cultivars as it was the earliest to reach harvest stage.

Key words: Peach cultivars, evaluation, vegetative growth, fruit set, yield, fruit characteristics

* Introduced from Mexico.
** Introduced from Western Cape of South African.

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