

ثنكة المعلومات الجامعية

CELLE TELLE SIONE





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله 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 %



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بعض الوثائق

الأصلية تالفة



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Kafr El-Sheikh **Faculty of Agriculture** Horticulture Department

PHYSIOLOGICAL STUDIES ON SOME MEDICINAL **PLANTS**

 B_y

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Thoris

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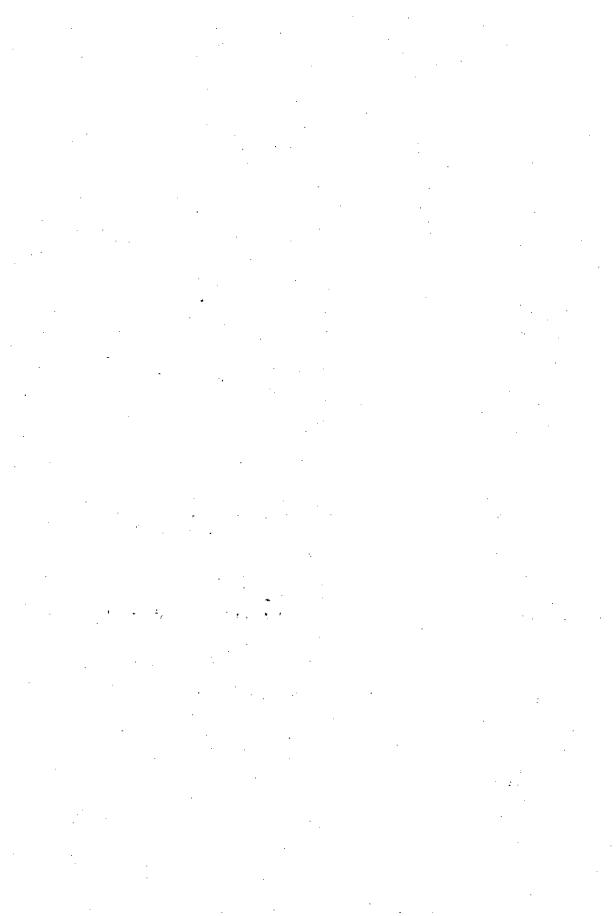
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PHYSIOLOGICAL STUDIES ON SOME MEDICINAL PLANTS

Maiada Kadry Mohamed Seleim

ABSTRACT

Field experiments were carried out in the Experimental Farm of Faculty of Agriculture at Kafr El-Sheikh, Tanta University during two successive seasons of 2002/2003 and 2003/2004 to study the effect of dry yeast (1 and 2 g/L.) and B. vitamins (B₁, B₆ and B₁₂ at 50 and 100 ppm) on the vegetative growth, oil productivity and chemical composition of *Mentha viridis* L. and *Salvia officinalis* L.

The plants were sprayed four times. Both sprayings were done before and after harvesting the first one 30 days after planting, the second one by 30 days later, the third by 30 days after the first cut and the fourth one was done 30 days later. Whereas, the first cut of spearmint was on 1st June and the second one on 1st September, while the first cut of sage was on 1st August and the second one on 1st November for each season. The main results can be summarized as follows:

- All used treatments of dry yeast and B. vitamins significantly increased
 the values of growth parameters as plant height, shoots number, plant,
 fresh and dry weights/plant, leaves fresh weight plant and leaf
 area/plant) and volatile oil production (oil percent and oil yield), as well
 as increased leaf chlorophyll (a) and (b) and N, P and K% of spearmint
 and sage in comparison to control in the two harvests during the two
 seasons.
- The highest values of the previously parameters resulted from the treatment of dry yeast at 2 g/L or V. B₆ treatment at 50 ppm in most cases for spearmint and from V. B₁₂ at 100 ppm in most cases for sage plant in comparing to the other treatments through the two harvests during the both seasons.

Therefore, it can be recommended to spray spearmint with dry yeast at 2 g/L. or V. B₆ treatment at 50 ppm and sage with V. B₁₂ treatment at 100 ppm four times, the first one after 30 days from planting, the second one by 30 days later, the third one 30 days after the first cut and the fourth by 30 days later.

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