

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية
التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

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الأصلية تالفه



EFFECT OF NUTRITIONAL AND HORMONAL STATUS OF MOTHER PLANTS ON PROPAGATION OF SOME FICUS SPECIES

By

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THESIS

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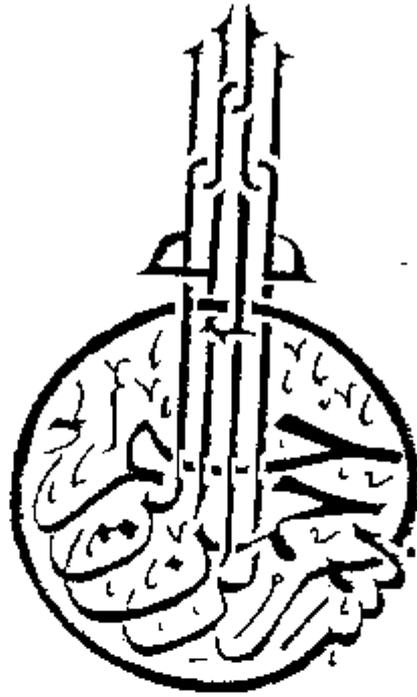
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يَرْفَعُ دَرَجَاتٍ مَّنْ نَّشَاءُ
وَفَوْقَ كُلِّ ذِي عِلْمٍ

عَلِيمٌ
مَّا قَالَتِ الْعُلَمَاءُ

التيسير، ٧٢ من
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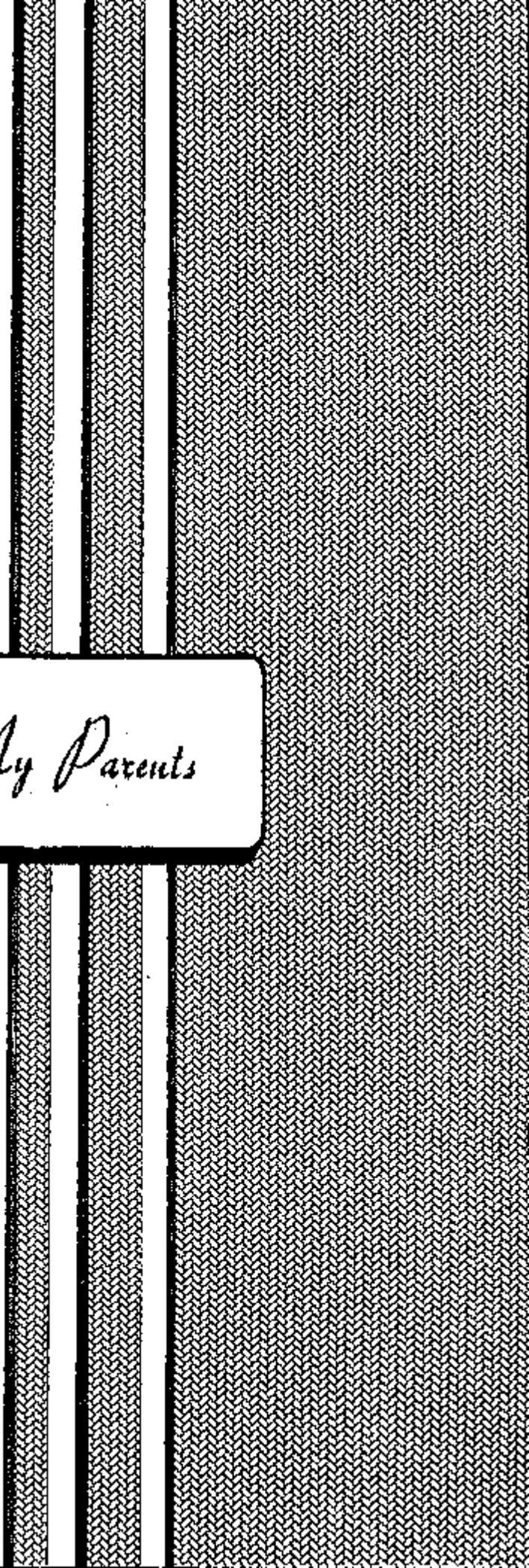
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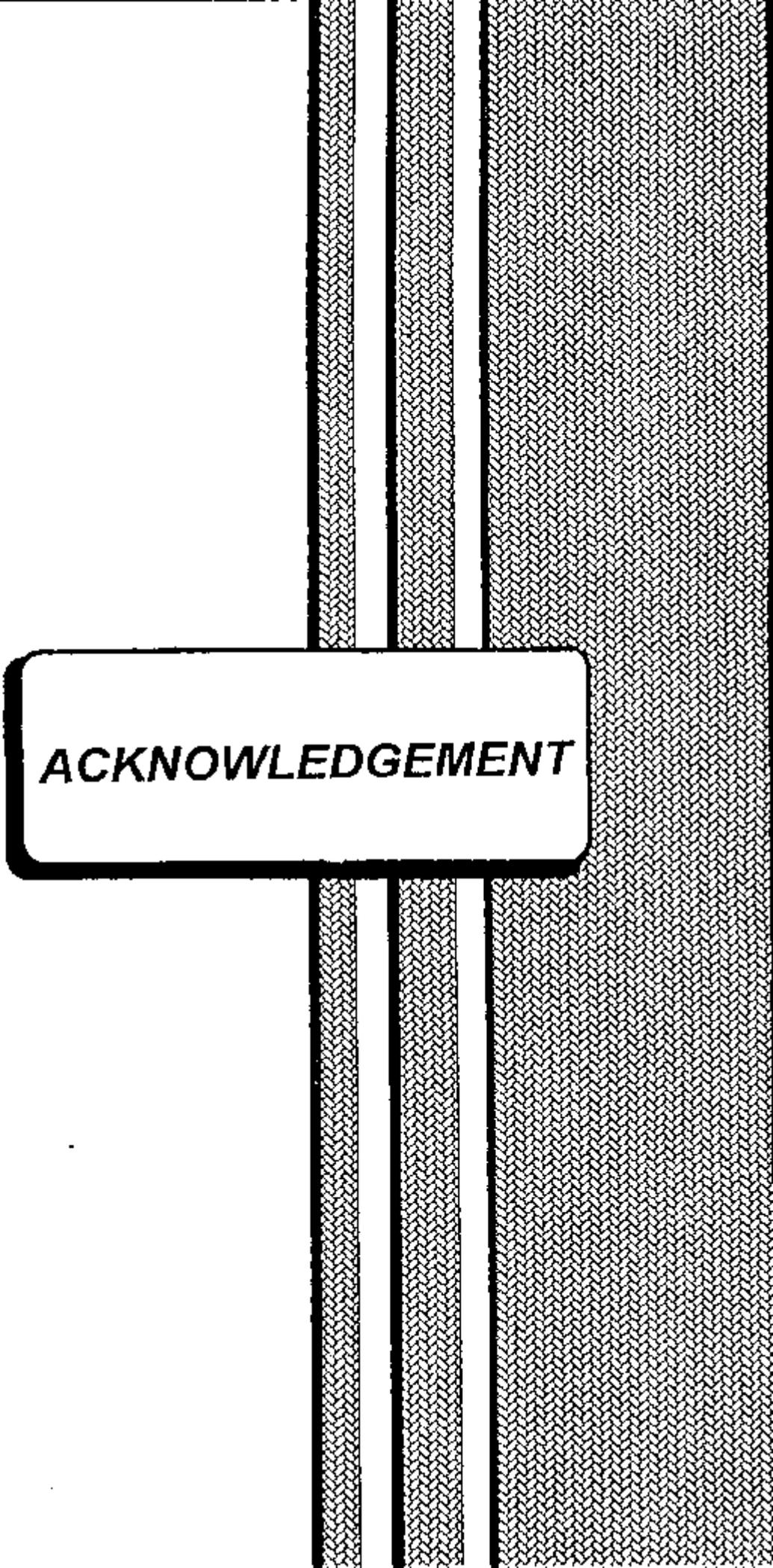
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To My Parents



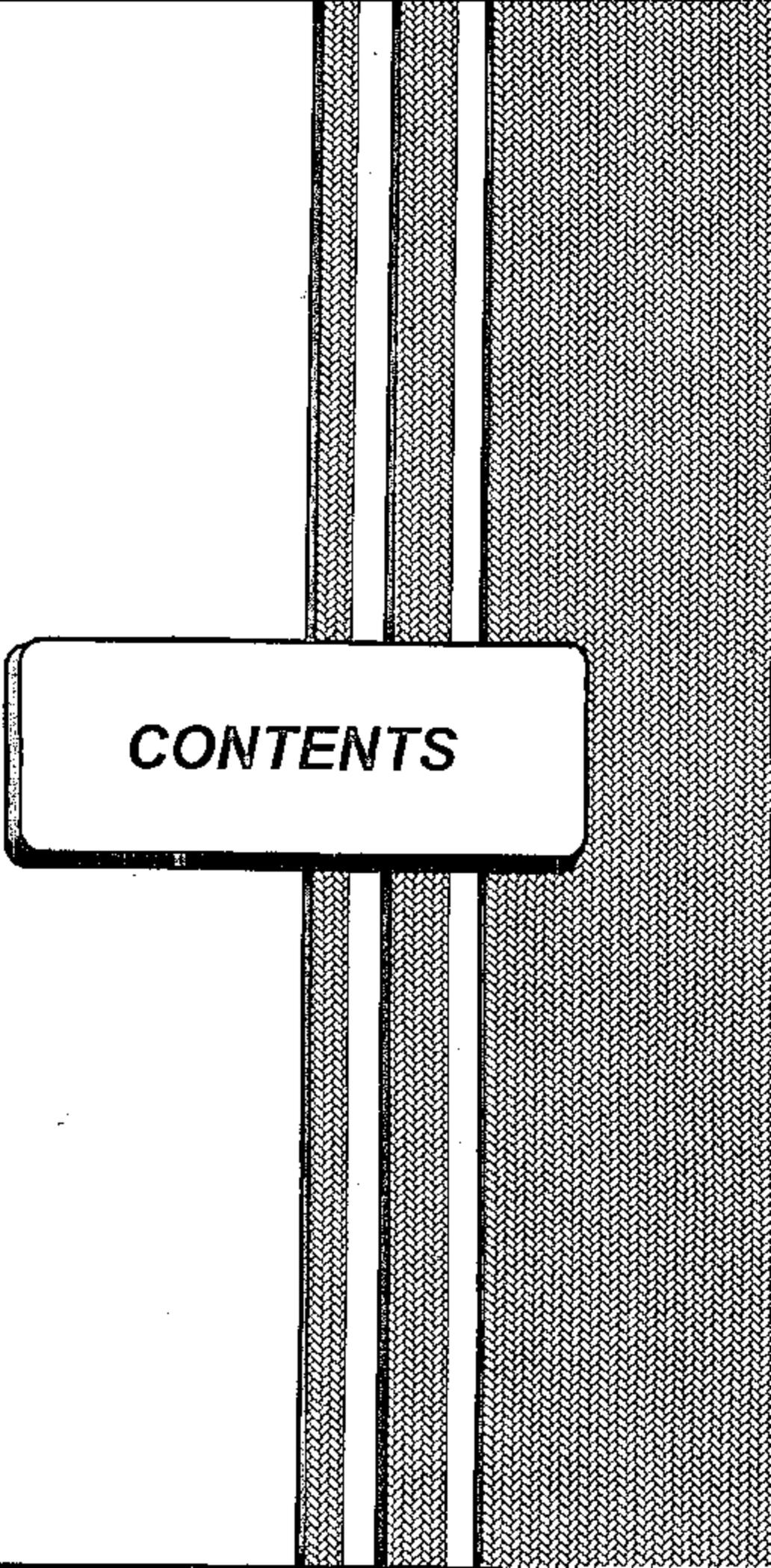
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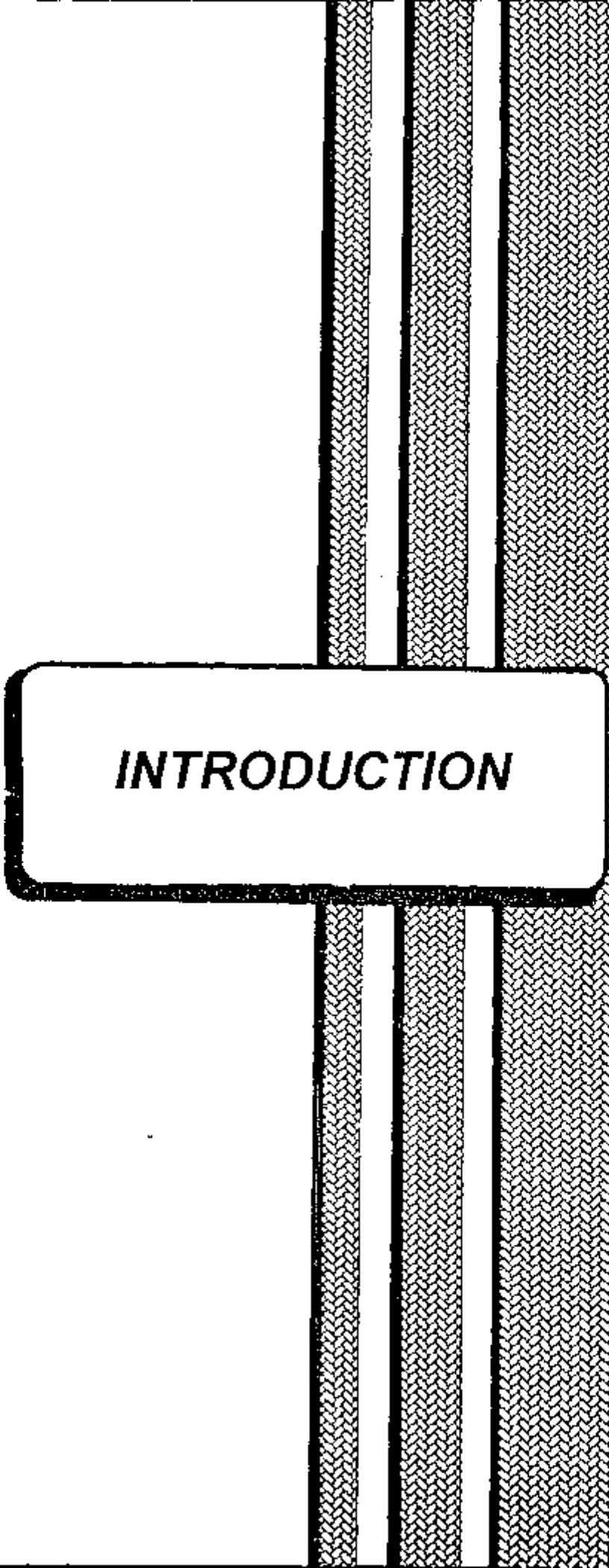


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INTRODUCTION

INTRODUCTION

The genus *Ficus*, Family Moraceae, is widely distributed in tropical and subtropical countries, and comprises nearly 2000 species, **Bailey (1958)**.

Ornamental *Ficus* species, such as *retusa*, *variegata* and *infectoria*, are grown for providing shade. *Ficus retusa*, Linn. used as an excellent shading tree and as a high sheared hedge, or it may be shaped in beautiful forms in landscaping for its small and bright leaves.

In folklore medicine, *Ficus* plants are reported to have hypotensive and antidiabetic activities; the latex of *Ficus sycomorus*, Linn. is also used to treat, cough and skin diseases.

Different methods of application of growth regulating substances to promote rooting on cuttings such as soaking the base in dilute concentrations, dipping in highly concentrated solutions or in talc dust mixtures, and/or in lanolin pastes have been reported by various investigators. All of these methods involve treatment of the cutting after removal from the plant. Therefore, it is not surprising that growth regulators applications to the stock plant also stimulate rooting of cuttings; **Cummins (1965)**, **Hare (1976)** and **Whatley et al. (1966)**.

The influence of mineral nutrition on plant growth and rooting of cuttings has been also investigated by several authors, **Preston et al. (1953)**. Some investigators reported that a relatively low supply of nitrogen to mother plants has a profound influence on rooting of the produced cuttings. This was first shown by **Kraus and Kraybill (1918)** for tomato plants.