

THE EFFECT OF N⁶ BENZYL-ADENINE AND
INDOLE BUTYRIC ACID ON THE PROPAGATION
OF PEPEROMIA ARGYREIA CV 'WATERMELON'
AND P. CAPERATA CV 'EMERALD RIPPLE'

by

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A MASTER'S THESIS

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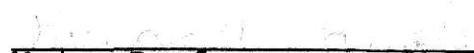
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INTRODUCTION

Plantlets do not easily regenerate from leaf cuttings of certain species and cultivars of Peperomia and other herbaceous plants. Such plants are therefore usually propagated by means of tip (stem) cuttings from which it is relatively easy to obtain both shoots and roots. Plantlets originating from tip cuttings however frequently do not develop into an appealing final product as compared to plants obtained from leaf cuttings.

It is often necessary to use growth regulators to stimulate both root and shoot development on leaf cuttings of cultivars that do not easily form these organs. Various results have been obtained from the use of growth regulators. Results obtained depend on many factors.

The objectives of this study were to characterize the effects of N⁶ benzyl-adenine (BA) and indole butyric acid (IBA) on shoot and root development of leaf cuttings of Peperomia argyreia cv. 'Watermelon' and P. caperata cv. 'Emerald Ripple' and to enhance shoot development of the former.

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