# ASTYVAL PROPAGATION OF SELECTED LANDSCAPE PLANTS

Farm Pravilue Report

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## ASEXUAL PROPAGATION OF SELECTED LANDSCAPE PLANTS

A Farm Practice Report

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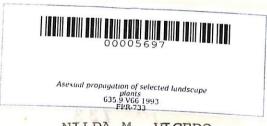
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#### ABSTRACT

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This farm practice project entitled "Asexual Propagation of Selected Landscape Plants" was conducted at the Ornamental Multiplication Project of the Department of Crop Science, Don Severino Agricultural College, Indang, Cavite from January to April 1993. The general objective of the project was to propagate selected landscape plants. Specifically, it aimed to attain 80% success in propagating golden dewdrops (<u>Duranta sp.</u>), Lollypops (<u>Pachystachys lutea</u>), and cuphea (<u>Cuphea hyssopifolia</u>) and to obtain more than 25% return on investment in the project.

One thousand softwood cuttings of the three landscape plants were used as propagating materials and were rooted in plastic bags with rooting medium composed of an equal proportion of sawdust, compost and garden soil. These were maintained under a shady mango tree for about four months.

A total amount of P4,238.74 was invested in the project. Recovered were 807 rooted plants which were sold at P10.00 each for golden dewdrops, P15.00 each for lollypops and P10.00 each for cuphea. The gross income realized amounted to P9,085.00 and the net income was P4,846.26.

A value of 114.33% return on investment (ROI) was computed as the measure of project worth.

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### ASEXUAL PROPAGATION OF SELECTED LANDSCAPE PLANTS 1/

by

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#### INTRODUCTION

The propagation of plants has long been recognized as a fundamental practice in the fields of plant science. Some plants can be propagated asexually using their vegetative parts. With this technology, the unique characteristics of any individual plant are preserved in the plantlets. In addition, the genotype of the source plant can be preserved.

Asexual propagation by cuttings is widely used in commercial greenhouses with many florist crops. It is used in propagating several landscape plants such as Golden dewdrops (<u>Duranta sp.</u>), Lollypops (<u>Pachystachys lutea</u>), and Cuphea (<u>Cuphea hyssopifolia</u>).