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PROPAGATION OF SONG OF INDIA, SONG OF JAMAICA
AND POINSETTIA USING HOMEX-TREATED
STEM CUTTINGS

Farm Practice Report

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1
PROPAGATION OF SONG OF INDIA, SONG OF JAMAICA
AND POINSETTIA USING HORMEX-TREATED
STEM CUTTINGS

A Farm Practice Report
Submitted to the Faculty of the
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In Partial Fulfillment
of the Requirements for the Degree of
Bachelor of Science in Agriculture
(Major in Horticulture)



*Propagation of song of India, song of
Jamaica and poinsettia using hormex
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A B S T R A C T

This farm practice project entitled "Propagation of Poinsettia, Song of India and Song of Jamaica Using Hormex-Treated Stem Cuttings" was conducted at the Crop Science Ornamental Nursery of the Don Severino Agricultural College, Indang, Cavite from October 1992 to February 1993. The project aimed to successfully propagate three landscape plants using stem cuttings treated with Hormex and to experience how to manage a small nursery of landscape plants and obtain an ROI of not less than 25%.

A total of five hundred sixty (560) semi-hard-wood cuttings of the three landscape plants were used as propagating materials. These were dipped for five minutes in a full-strength solution Hormex, a chemical formulation containing naphthalene acetic acid and Indole Butyric Acid. The cuttings were rooted in a previously sterilized medium consisting of $\frac{1}{3}$ garden soil, $\frac{1}{3}$ compost and $\frac{1}{3}$ sand.

A total of 425 poinsettia, 52 Song of India, and 28 Song of Jamaica were recovered as rooted materials. These were sold to the Ornamental Nursery Project of the Crop Science and gave a gross income of ₱6,110.00.

After deducting the total expenses which amounted to ₦2,591.68 from the total gross sale, a net income of ₦3,518.32 was realized. A value of 135.8% was computed as the project's return on investment (ROI).

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
ABSTRACT	vi
INTRODUCTION	1
Importance of the Project	2
Objectives of the Project	3
Time and Place of the Project	4
EXPECTED OUTPUT	5
STRATEGY OF IMPLEMENTATION	6
Pre-Internship Training	6
Site Selection	6
Establishment of the Nursery Shed	6
Preparation of Propagating Medium	6
Preparation of Stem Cuttings	7
Hormex Treatment	7
Setting of Stem Cuttings	7
Watering	7
Weeding	8
Marketing	8
DISCUSSION OF THE PROJECT OUTCOME	9
ACTUAL COST AND RETURN OF THE PROJECT	12
TIMETABLE OF ACTIVITIES	15

	Page
TIMETABLE OF ACTIVITIES	16
SUMMARY, CONCLUSION AND RECOMMENDATION . . .	17
Summary	17
Conclusion	18
Recommendation	18
FIGURES	19
APPENDIX	22

PROPAGATION OF SONG OF INDIA, SONG OF JAMAICA
AND POINSETTIA USING HORMEX-
TREATED STEM CUTTINGS¹

by

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INTRODUCTION

Poinsettia (Euphorbia pulcherrima, Willd) belongs to the Euphorbiaceae family. It is a tall woody perennial which bears narrow pointed leaves. The lower leaves are green and those near the top are bright red. It grows to a height of about eight to ten feet.

Song of India and Song of Jamaica (Pleomele reflexa, Variegata) which belongs to the Liliaceae family are tropical evergreen plants with narrow lanceolate, leathery leaves, 12 centimeters long.