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PRODUCTION OF ROOTED BLACK PEPPER CUTTINGS

USING HORMONE AS ROOT INDUCER

FARM PRACTICE

PRECY M. PEJI

Department of Crop Science
CAVITE STATE UNIVERSITY
Indang, Cavite

April 1999

**PRODUCTION OF ROOTED BLACK PEPPER CUTTINGS
USING HORMEX AS ROOT INDUCER**

Farm Practice Project
Submitted to the Faculty of the
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In partial fulfillment
of the requirements for the degree of
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(Major in Horticulture)



*Production of rooted black pepper cuttings
using hormex as root inducer
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ABSTRACT

PEJI, PRECY MAGLABE, Cavite State University, Indang, Cavite, March 1999.
“Production of Rooted Black Pepper Cuttings Using Hormex as Root Inducer”. Prof.
Adolfo C. Manuel, Jr., adviser.

Production of rooted black pepper cuttings using Hormex as root inducer was undertaken at the Mixed Orchard and Nursery Project at Cavite State University, Indang, Cavite from October to December 1997. The objectives of the project were: to produce 1000 rooted cuttings, use hormex in propagation of black pepper and market the seedlings at the end of the project.

A total of 1100 black pepper cuttings were planted out of which 1000 cuttings successfully produced roots. After two months, the rooted black pepper cuttings were sold for P8.00 per cuttings.

The project's production cost amounted to P4,733.39. On the other hand, the project generated a total gross income of P8,000.00 from the sale of 1000 black pepper cuttings at P8.00 each. Upon deducting the total expenses from the gross income, the project earned a net income of P3,266.61. The computed Return on Investment of the project was 69.01%.

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PRECY MAGLABE PEJI

A farm practice report presented to the Faculty of the Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Agriculture (BSA), Major in Horticulture. Prepared under the supervision of Prof. Adolfo C. Manuel, Jr. with contribution No. CSFPR-0299-135.

INTRODUCTION

Black pepper (*Piper nigrum* Linn) is one of the most important spice crops in the Philippines. Although black pepper is a promising crop in the country, farmers pay little attention to this crop particularly in the production of planting materials.

Asexual propagation involves reproduction from vegetative parts of the plant. This is possible since the vegetative organs of many plants have the capacity for regeneration.

Black pepper is commonly propagated by stem cuttings since seedlings from peppercorns are slow growers and late bearers. However, percentage survival of stem cuttings is very low due to slow root formation. Studies show that root initiation could be induced by using Hormex. This hormone was also shown to increase root length and promote rapid shoot growth.