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**EFFECTS OF DIFFERENT AGES OF BUDSTICK
ON ASEXUAL PROPAGATION OF POMELO**
'Citrus grandis'

RESEARCH STUDY

Chino Jerome Avinante
Ralph Lauren Avinante
Frederick Panganiban
Paul Mark Pel

CAVITE STATE UNIVERSITY
Indang, Cavite

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**EFFECTS OF DIFFERENT AGES OF BUDSTICK
ON ASEXUAL PROPAGATION OF POMELO
(*Citrus grandis*)**

**A Research Study Submitted to the Faculty
of the Laboratory School, College of Education
Cavite State University
Indang Cavite**

**In Partial Fulfillment
of the Requirements for Graduation**

**Chino Jerome Aviñante
Ralph Lauren Aviñante
Frederick Panganiban
Paul Mark Pel**



*Effects of different ages of budstick on
asexual propagation of pomelo (citrus
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ABSTRACT

AVIÑANTE, CHINO JEROME, AVIÑANTE, RALPH LAUREN, PANGANIBAN FREDERICK, PEL, PAUL MARK, Applied Research III, Cavite State University, Laboratory School, April 2003, **“Effects of Different Ages of Budstick on Asexual Propagation of Pomelo (*Citrus grandis*)**

Advisers: Mr. Carlos Rodil

Prof. Dulce Ramos

The study “Effects of Different Ages of Budsticks on Asexual Propagation of Pomelo” was conducted to determine the best age budstick to use in propagating pomelo.

A total of 90 plants, which served as the rootstocks, were divided into three (3) treatments with three (3) replications. Treatment 1 was budded using the softwood bud, Treatment 2, using the semi-hardwood bud and Treatment 3, using the hardwood bud. In this study, 37 new and young plants were able to develop covering the period from November 2002 to January 2003.

Based on the findings of the study, semi-hardwood is the best age of budstick to use in propagating pomelo. The plants budded with semi-hardwood developed with an average of 15.75 days while the hardwood buds developed with an average of 24.3 days. All the pomelo plants applied with the softwood bud were not able to survive. Semi-hardwood also gave the best results in the other parameters data regarding the development of the leaves.

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A research study submitted to the faculty of the Secondary Education,
Laboratory School, Cavite State University, Indang, Cavite in partial fulfillment
of the requirements for graduation. Prepared under the supervision of Prof. Carlos
Rodil.

INTRODUCTION

Pomelo, scientifically known as *Citrus grandis*, is a citrus tree of family Rutacea, sub- family Auretoidea, tribe Critrea and sub-tribe Critrenea.

This tree can grow up to the height of 6 to 13 meters. It has a round top with fuzzy twigs when young, has laves which resembles like those of oranges but have broadly winged petioles, which are octave in shape. It has large and white flowers, which are borne singly, or in branches and succeeded by very large spheroid or almost pear shaped fruit. Pomelo was recognized for its lemon-yellow color, pungent and tart but agreeable flavor. Pulp segments are either pallid or red