EVALUATION OF CHEMICAL AND BOTANICAL CONTROL AGENTS AGAINST ANTHURIUM THRIPS *Chaetanaphothrips orchidii* Moulton

THESIS

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ABSTRACT

DE ZOSA, LORENA T. Cavite State University, Indang, Cavite. March, 2000. Evaluation of Chemical and Botanical Control Agents Against Anthurium Thrips, *Chaetanaphothrips orchidii* Moulton. Adviser: Dr. Evelyn Oquias Singson.

The experiment was conducted at the Research Laboratory of the Department of Crop Protection from November to February, 2000 to determine the effect of different control measures.

Three sets of experiments were conducted. The first was performed to determine the effect of non-traditional chemical formulations and insecticide against anthurium thrips while the second experiment was mixed with sugar. The third experiment was done to determine the effect of different pesticidal plant extract. Experiments were laid-out in a Completely Randomized Design (CRD) and were replicated three times.

Confidor was the most effective pesticide against anthurium thrips. LOC was the least effective among treatments, psychic nut soaked in petroleum ether was the most effective among the pesticidal plants evaluated.

Psychic nut and Confidor were equally effective in controlling anthurium thrips and both exhibited a strong pesticidal action.

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EVALUATION OF CHEMICAL AND BOTANICAL CONTROL AGENTS AGAINST ANTHURIUM THRIPS
(Chaetanaphothrips orchidii Moulton)

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INTRODUCTION

Anthurium (*Anthurium andreanum* Andre) is a tropical and perennial herb of family Araceae. It is a native of Columbia, Mexico and Costa Rica. It was introduced to Hawaii in 1889 and to the Philippines in the early 50's. This ornamental plant is grown chiefly for their showy spathes and spadices or for their handsome leaves. Anthuriums are herbaceous plants with creeping, climbing, assurgent or arborescent stems and prominently veined leaves especially the mid and lateral portions. These plants come in various colors such as red, pink, orange, coral, white and the combinations of green with other colors. Being waxy and glossy, the flower has a very long baselife that lasts up to three weeks or more at room temperature.

Anthurium is one of the important cutflowers in the country which gained popularity because of its durability and attractiveness. Many growers raise anthurium