

**IDENTIFICATION OF PREHARVEST AND POSTHARVEST
INSECT PESTS ASSOCIATED WITH TWO
VARIETIES OF SOURSOP
(*Annona muricata* L.)**

COLLEGE OF AGRICULTURE, FORESTRY, ENVIRONMENT
AND NATURAL RESOURCES

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**Undergraduate Thesis
Submitted to the Faculty of the
Cavite State University
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ABSTRACT

BALUYOT, GINA B. Cavite State University Indang, Cavite. March 2000.
"Identification of Preharvest and Postharvest Insect Pests Associated with Two Varieties of Soursop (*Annona muricata* L.)." Adviser: Dr. Evelyn Oquias Singson

BIOGRAPHICAL DATA

The experiment was conducted to: (1) identify the preharvest insect pests associated with soursop; (2) identify the postharvest insect pests associated with soursop and (3) determine the postharvest shelf life of two different varieties of soursop as affected by mealybug infestation.

The common insect pests at preharvest and postharvest associated with soursop were *Carphophilus* sp., *Dysmicoccus neobrevipes* (Beardsley), *Parasaissetia* sp., *Coccus viridis* (Green), *Tricentrus walkeri* (Walker), *Machaerota* sp., *Egropa* sp., *Odontomachus* sp., *Oecophylla* sp. and *Acanthomyrmex* sp.

Firmness and quality of soursop were not affected by the application of fungicide and did not maintain the firmness of the fruit. The Sweet variety of soursop with fungicide degraded faster than the fruits that have no fungicide.

Visual quality of the treated and untreated fruits with fungicide were also compared.

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