



VISAYAS
STATE UNIVERSITY



NATIONAL ABACA RESEARCH CENTER

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VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT FORM

[October 1 to December 31, 2021]

I. Program/Project/Study Objectives

Program Title:

Project Title: ***Biological Control of the Abaca Corm Weevil with Entomopathogenic Nematodes (EPN)***

Objectives

General Objective

To survey and identify entomopathogenic nematodes from Abaca areas in Eastern Visayas and determine the most effective EPN against Abaca corm weevil

Specific Objectives

1. To isolate entomopathogenic nematodes from Abaca areas in Eastern Visayas
2. To determine the abundance of Abaca corm weevil in Eastern Visayas
3. To screen candidate EPN genera/species against the larvae and adults of the weevil in laboratory and microplot trial

II. Relevance to VSU & College's Thrust and Priorities: Relevant

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

- Collection of soil samples from different Abaca areas in Eastern Visayas
- Isolation of entomopathogenic nematodes

B. Highlights of accomplishments

- Collected soil samples around VSU, Baybay City and Ormoc City.
- Continuous baiting of entomopathogenic nematodes
- Continuous rearing of lesser wax moth
- Isolated an entomopathogenic nematode from a coconut area in Baybay City, Leyte which was initially identified as *Heterorhabditis* spp. due to its slender body and pointed tip (Figure 1). The infected larva also had a red color which is typical of a larva infected with *Heterorhabditis*.



Vision: A globally competitive university for science, technology, and environmental conservation.
Mission: Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

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