



South Walton County Mosquito Control District

774 N. County Hwy 393, Santa Rosa Beach, FL 32459

P 850.267.2112 F 850.267.2712

southwaltonmosquitocontrol.org

Entomologist Assistant

Job Description

Summary

The Entomologist Assistant is responsible for implementing lab and field work for the arthropod vector surveillance programs and reporting data. Performs specialized technical work assisting with arbovirus surveillance, mosquito population surveillance, mosquito identification, insecticide testing, and data/record keeping; works directly under Entomologist to execute field and laboratory tasks.

This position will have additional duties of a mosquito control technician which includes, surveillance and applying pesticides, as needed.

Duties and Performance Requirements

Identifies, records, and maintains mosquito and larvae specimen. Measures mosquito larvae and adult populations through sampling across designated areas, along with determining vector concerns.

Obtains routine blood samples from sentinel chicken program and records field information for laboratory processing. Processes serum samples from the arbovirus disease sentinel flock.

Assists in the placement of various types of traps and assesses mosquito trap catches in the field for immediate integration into the adult mosquito suppression operation.

Assist with field trials for insecticide efficacy. Performs droplet analysis and characterization on various adulticiding equipment.

Investigates resistance of mosquitoes to insecticides being used. Conduct lab studies (ex. bottle bioassay).

Ensures proper operation, maintenance, minor repairs, and replacement of designated equipment.

Enters and maintains all related records and databases.

Conducting research into pre-approved pertinent topics. Write articles for various resources (webpage, magazines, new leaders, etc.)

Assist with maintaining mosquito colonies and *Gambusia* populations.

Keeps the laboratory sanitized, orderly, and stocked with proper equipment and supplies.

Assists with public education and presentations.

Attend and presents at professional meetings and seminars as applicable.

Prepares reports and analysis of District's entomological programs.

Assist Mosquito Control Technicians as needed.

Performs other related job duties as assigned.

Qualifications

Education and Experience

Graduation from an accredited college or university with a bachelor's degree in biology, botany, marine science, wildlife management, zoology, or another related field. Course works in entomology and one (1) year of related professional experience, or an equivalent combination of education, training, and experience.



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Special Qualifications (May be required depending on area of assignment):

Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.

Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.

Possession and maintenance of Public Health Pest Control prior to the completion of the first year of employment.

Possession and maintenance of Certified Mosquito Identifier certificate through the Florida Department of Agriculture and Consumer Services/Florida Medical Entomology Laboratory within one year of hire.

Additional recommended certifications: Aquatic Weed Control and Right-of-Way Control Certificates.

Working Environment

Work is performed in an office setting and outdoors, exposing employee to inclement weather, noise, fumes, construction environments, slippery or uneven surfaces and traffic hazards. Employees are required to use appropriate safety equipment and follow standard safety practices. Occasional local, regional, and national travel may be required. Noise level is usually low but occasional exposure to loud and moderate noise levels when around trucks, equipment, pony motors and a variety of other motors and engines. Working with and around chemicals, which are stored, handled, applied/used, and disposed of according to exact labeling instructions, is required. Exposure to moving mechanical parts, mud, fuel, fumes, snakes, insects, and other wildlife may be required.

Physical Requirements

Physical activity may be required including lifting, reaching for, pulling, and carrying up to fifty pounds and climbing in and out of vehicles and a variety of other equipment. Must be able to use hands and fingers to type, grip and operate of hand tools and other equipment. Excellent vision, both close and distance, is regularly required.

This document does not create an employment contract, implied or otherwise.

Job Category:	Non-Exempt	Salary Range:	\$17.00 - \$25.61
Position Type:	Full-Time	Origination Date:	7/20/2022
Reports to:	Entomologist	Revision Date:	