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Sandra L. Fisher-Grainger, MPH
Hernando County Mosquito Control



MOVING FORWARD

Mosquito Control Department

- Our department falls under Public Safety, I report to the Fire Chief/Director of Public Safety
- Staff:
 - Director
 - Support Specialist/Outreach Coordinator
 - Surveillance Technician
 - 4 MC Technicians
- Current Budget: \$1,174,946 from GF transfer, \$78,879 State Aid

Florida & Mosquito Control

- FL Dept. of Agriculture & Consumer Services: FL Statute 388, FL Administrative Code 5E-13
 - Specific laws to MC
- Licenses
 - Public Health Applicator's License
 - Applicator/Core-Chemical Handling
 - Aquatic Weed, Natural Areas, ROW
- NPDES-State and Federal
- FL Mosquito Control Association
- FL Coordinating Council on Mosquito Control

Mosquitoes

- Occur everywhere except Iceland and Antarctica
- About 3,500 species globally
- 80 species in FL
- Hernando just over 40
 - Includes 6 vector species
- Habitats-fresh and saltwater wetlands/swamps, floodwaters in and out of tree canopy, containers, stormwater structures

WORLD'S DEADLIEST ANIMALS

DEATHS PER YEAR

Mosquito	725,000
Freshwater snail	110,000
Ascaris roundworm	60,000
Venomous snake	50,000
Rabid dog	40,000
Assassin bug	12,000
Tsetse fly	9,000
Tapeworm	2,000
Crocodile	1,000
Hippo	500
Elephant	100
Lion	100
Wolf	10
Shark	10



SOURCE: DATA VIZEO

TND

Arboviruses

- Eastern Equine Encephalitis - 1 Garden Grove
- St. Louis Encephalitis
- West Nile Virus - 2 SHWWTP
- Highlands J Virus
- Dengue
- Chikungunya
- Zika
- Dog Heartworm

Our Program

Mission

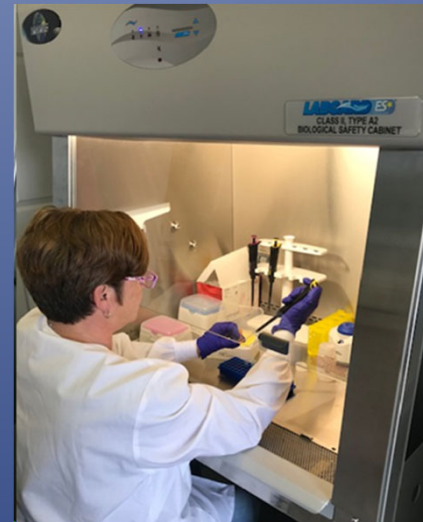
To enhance the quality of life for residents throughout the County by reducing mosquito populations that are a biting nuisance and those that carry disease.

How we do this:

- Integrated Mosquito Management
 - Surveillance
 - Control
 - Source Reduction
 - Outreach/Education
- Season is late April to Thanksgiving
- Off-season maintenance/repair of equipment, pre-treatments of stormwater structures

Surveillance

Landing Rates, Trapping, Sentinel Chickens, In-house mosquito testing,
Breeding Site Inspections



Control



Source Reduction



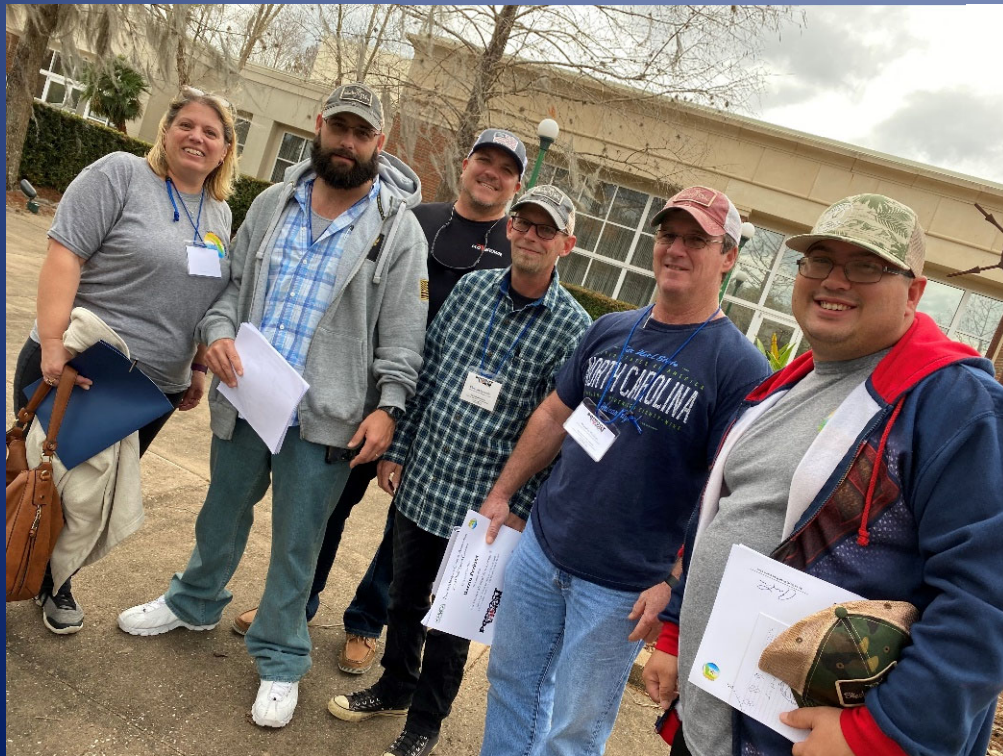
Education/Outreach





MOSQUITO CONTROL

Training & Education-CEUs



Virtual Vector Education



2021 Dodd Short Courses



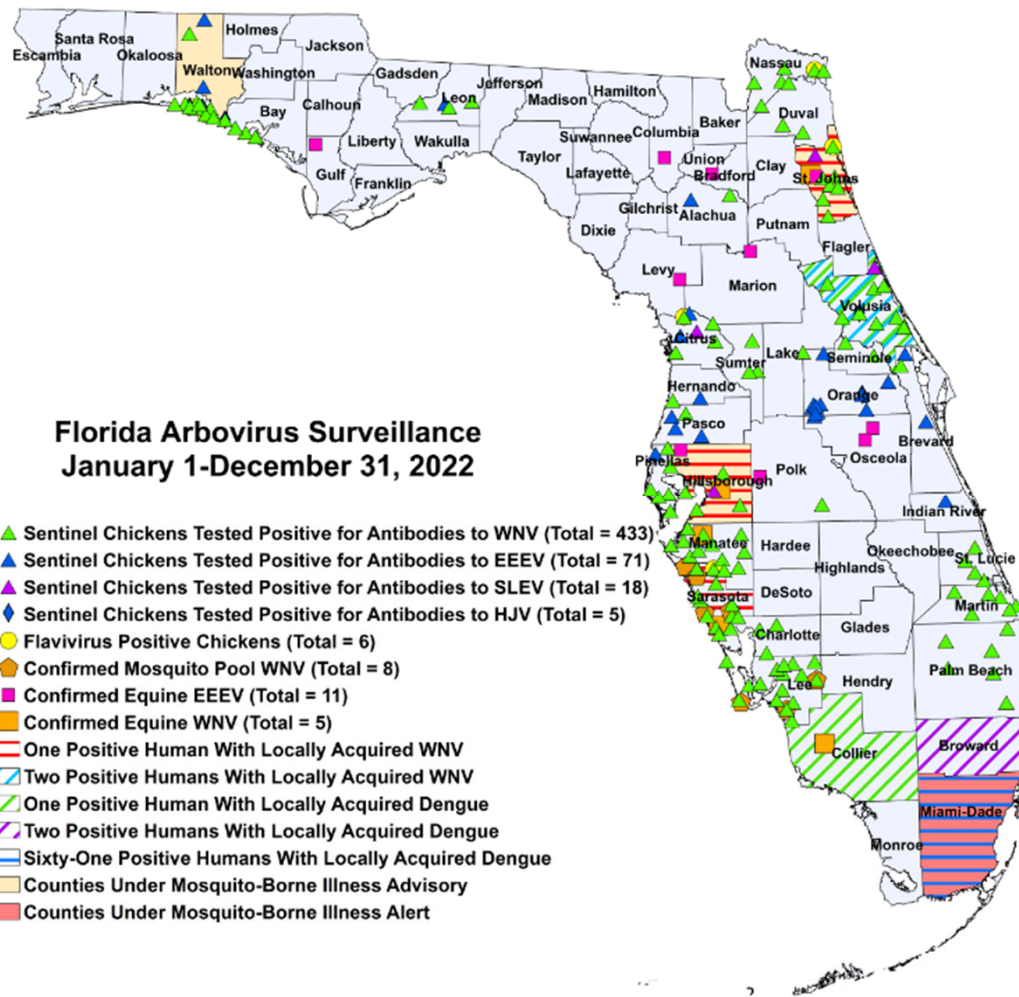




2022 Season

- Service Requests – 700
- Inspections– 12,479
- Treatments– 2,251
- Acres treated by hand- 838
- Acres treated by truck- 16,079
- Trap collections- 609
- Landing rate counts- 1,934
- Chicken Sera Samples- 1,120
- Mosquito Pools- 469

Statewide Arbovirus 2022



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Thank You



MOVING FORWARD

