

FDACS Zika Update

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Zika Virus Discovery

- FL DoH discovers an infectious disease transmitted by mosquitoes to humans (Zika)
 - State Health Officer has authority to declare that a threat to public health exists
- Florida Governor, Rick Scott signed Executive Order 16-29 - February 3rd
 - Directed State Surgeon General to declare **public health emergency**
 - 4 counties with travel-associated cases of ZikV (now up to 19)
 - All new counties with confirmed cases to be listed

State of Emergency Declaration

- State Health Officer must immediately notify Commissioner of Agriculture of public health threat
 - Authorized to issue **mosquito declaration** in those counties in need of additional mosquito control measures

Mosquito Declaration

- **Commissioner of Agriculture**
 - Shall order ameliorative mosquito control measures as are necessary to prevent spread of disease
 - Authority to collect, detect, suppress, and control mosquitoes that pose a threat to public health and to do all things necessary
 - Wherever they occur on public or private land



Sections 388.361(7) & 388.45(1), F.S.



As of 5/11/2016

Number of cases involving pregnant women: 7
(Counties of pregnant women will not be shared)

Total number of cases in Florida: 112

Confirmed Zika Cases in Florida

- 1-3 travel associated cases
- 4-6 travel associated cases
- 7-10 travel associated cases
- Broward county, 15 travel associated cases
Miami-Dade county, 44 travel associated cases
- Sexually transmitted case

0 50 100 Miles



FDACS Role in Response

- Department of Health - lead agency
- FDACS role
 - Provide technical assistance to MCPs & DoH
- Support local MCPs
 - Actively engage and monitor response to cases
 - Supplement as necessary
- Develop control strategy for state level response
 - Investigate use of vendors for supplemental control

FDACS Role in Response

- **Host recurring call with affected counties**
 - Open and maintain active lines of communication
 - Identify resource needs and limitations
 - Facilitate sharing of mosquito control personnel or equipment between MCPs as needed
 - Expanded to include all MCPs (April 25th!)

FDACS Role in Response

- **Provide guidance and training on best management strategies**
 - **MCPs – Zika Workshops**
 - 7 regional meetings
 - **PCOs – Zika Vector Control for the Urban Pest Management Industry**
 - Co-hosted with UF/FMEL - April 13th, Orlando
 - Bridge gap between public health mosquito control and pest control operators offering mosquito control services
 - Potential use as additional manpower in supplemental mosquito control response

Adult Surveillance

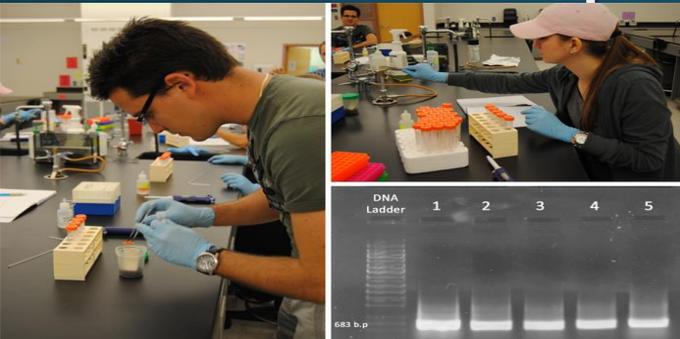


- Interest in gathering data on current geographic distribution of *Aedes aegypti* and *Aedes albopictus*
- FDACS purchased 300 BG Sentinel traps with associated batteries and battery chargers
 - Surveyed MCPs for willingness to incorporate traps into normal routine
 - Distributing based predominantly on need to ensure all of Florida's MCPs have necessary equipment for surveying these species
 - Discussion of additional needs
 - Encourage MCPs to share collection data!
 - Will provide standardized spreadsheet
 - Trapping protocol for BG Sentinel use - Dr. Connelly, FMEL



Arboviral Surveillance

- FDACS Bronson Animal Disease Diagnostic Laboratory (BADDL) to perform diagnostic testing on mosquitoes - Kissimmee
 - Multiplex RT-PCR assay for rapid detection of Zika, Dengue, and Chikungunya viruses
 - *Aedes aegypti/albopictus* specimens collected to be sent to BADDL
 - Follow established BADDL protocol
 - Vials of 1-50 mosquitoes from each location
 - FDACS to provide shipping supplies, etc.




 Florida Department of Agriculture and Consumer Services
 Division of Animal Industry
 Bureau of Diagnostic Laboratory
ADAM H. PUTNAM
 COMMISSIONER

Contact Information:
 Bronson Animal Disease
 Diagnostic Laboratory
 Tel: (321) 697-1400
 Fax: (321) 697-1467
www.FreshFromFlorida.com/ai

MOSQUITO ARBOVIRAL PCR TESTING SUBMITTAL FORM

570.36, 585.145, Florida Statutes
5C-9, Florida Administrative Code

Note: All documents and attachments submitted with this request are subject to public review pursuant to Chapter 119, F.S.

SUBMITTER

Name _____		
Address _____		
City _____	State _____	District _____
Zip Code _____	County _____	Fax _____
Phone _____	Email _____	

Sample ID#	Species (AE = <i>Aedes aegypti</i> , AB = <i>Aedes albopictus</i> , M = Mixed <i>Aedes</i> sp., O = other species)	Collection Location	Number Pooled
1	<input type="checkbox"/> AE <input type="checkbox"/> AB <input type="checkbox"/> M <input type="checkbox"/> O		
2	<input type="checkbox"/> AE <input type="checkbox"/> AB <input type="checkbox"/> M <input type="checkbox"/> O		
	<input type="checkbox"/> AE <input type="checkbox"/> AB <input type="checkbox"/> M <input type="checkbox"/> O		

Questions?

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