

## ZIKV Response in Miami-Dade County – Jeff Hottenstein

- a. Urban warfare against *Aedes aegypti*
  - i. Door to door
  - ii. Larviciding
  - iii. Education
- b. Background
  - i. Over 1000 locally-acquired cases
  - ii. CDC travel advisory
  - iii. Patients mostly don't get sick
  - iv. Need good history
- c. Clarke Site Guard
  - i. Modeled after Rutgers University's container breeder program
  - ii. Designed to be a supplement to local mosquito control
  - iii. Design
    - 1. Surveillance – develop operational maps
    - 2. Inspections
      - a. Larval
      - b. Source reduction
    - 3. Adult control
      - a. Travel-related
        - i. Barrier treatment
        - ii. DUET
      - b. Locally-acquired
        - i. Truck spray
        - ii. Aerial spray of Naled
      - iii. Aerial larviciding
- d. The program
  - i. Seasonal staff
    - 1. Recruiting
    - 2. Screening
    - 3. Interviews
  - ii. Training
  - iii. Equipment
  - iv. Staff were given an ID and uniform
  - v. Trucks had appropriate label
- e. Protocols
  - i. Knock on door
  - ii. Stand back
  - iii. Identify self
  - iv. Ask for access
    - 1. 95% spoke Spanish
    - 2. 50% had no English
- f. The challenge

- i. Surveillance
    - 1. Cryptic breeding
    - 2. Think like a mosquito
  - ii. Realtime mapping
- g. <http://www.miamidade.gov/mosquito/index.html>
- h. Problems
  - i. Protests over aerial spraying
  - ii. No complaints about spray trucks
- i. Results
  - i. Got good control with ULV larviciding
  - ii. Aerial spraying knocked out transmission