

ECU (Dr. Richardson) public survey about
NC mosquito opinions

1,350 surveys mailed; 408 surveys
received;

Pitt, Wake, and Henderson counties;
High, med, low income

Questions about:

container removal,
use of pesticides,
use of private companies,
repellant,
willingness to pay for control

2016 NC Mosquito Projects

2016 Container Species Survey

- Dr. Stephanie Richards (East Carolina University), Dr. Michael Reiskind (NC State), Dr. Brian Byrd (Western Carolina Univ)
- 17 Counties spread across NC
- Approximately 30 ovitraps per county,
- May-October weekly collections
- Found *Ae. Albopictus* (>95%), *Ae. triseriatus*, *Ae. japonicus* found
- ~63,000 larvae ID'd
- No *Ae. aegypti* to date – focus on dense urban and outdoor activity locations in 2017

2016 NC Mosquito Projects

State Survey of Mosquito Programs

- Created by NC Mosq. and Vector Control Assn. (NCMVCA) in Feb. 2016
- Contact information & Surveillance tools
- Updated during Hurricane Matthew Response

Summary of Results:

100 counties total

51 Counties contacted

56 Town programs

39 County programs

11 City programs

2 Villages

108 potential programs (so far)

Hurricane Matthew Response

- Provided a Hurricane Response Plan (FEMA Reimbursement)
- Coordinated Landing Rate Counts for several counties

2016 NC Mosquito Projects

NC Public Survey on Mosquito Activities and Opinions

- ECU (Dr. Richardson)
- 1,350 surveys mailed; 408 surveys received;
- Pitt, Wake, and Henderson counties; High, med, low income
- Questions to public about:
 - container removal actions
 - use of pesticides
 - use of private companies
 - Use of repellent
 - willingness to pay for control

2017 NC Mosquito Projects

Education/Surveillance:

Invasive Mosquito Project – Goal of 10 schools
3 Mosquito ID seminars

Applied Research:

Expand Insecticide resistance to Formulated Products
Determine weeks that Albopictus starts and stops biting seasonally
Determine what time of day albopictus bites

Zika Response:

Improve communication among State – County - Contractor
Implement Response Plan
Algorithm for stepped response to suspect vs. local cases

County Assistance:

ELC Aid to Counties: \$27K to 10 counties
Assist with creation of 3 new County programs