

2018 VECTOR CONTROL SUMMIT

Itching to Improve: | MARCH 13 - 15 |

Building Local Mosquito Control Capacity | ORLANDO, FLORIDA |



Session Descriptions

TUESDAY, MARCH 13: INTEGRATED MOSQUITO MANAGEMENT

Core Competencies

- Routine surveillance through standardized trapping and identification
- Treatment decisions using surveillance data
- Larviciding, adulticiding, or both
- Routine vector control activities

Supplemental Competencies

- Community outreach and education campaigns regarding mosquito-borne diseases, how they spread and how to prevent infection
- Regular communication with local health departments regarding surveillance and epidemiology

Breakfast & Registration

8:00 – 9:00am

Breakfast will be served in Salons V – VIII.

Introductions & Opening Statements

9:00 – 9:15am

Alvina K. Chu, MHS, Program Manager Epidemiology Program, Florida Department of Health in Orange County

A Tale of Three Competencies: A Baseline Assessment of Mosquito Surveillance and Control

9:15 – 9:45am

Oscar Alleyne, DrPH, MPH, Senior Advisor for Public Health Programs, NACCHO

Keynote: Integrated Mosquito Management

9:45 – 10:30am

Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, Centers for Disease Control and Prevention (CDC) National Center for Emerging and Zoonotic Infectious Diseases (NCEZID); Former President of the American Mosquito Control Association

Coffee Break

10:30 – 10:45am

Putting Integrated Mosquito Management into Practice: A Panel Discussion

10:45am – 12:00pm

Ben Beard, MS, PhD (Moderator), Deputy Director, Division of Vector-Borne Diseases, CDC NCEZID

Chris Fredregill, Field Operations Manager, Mosquito and Vector Control, Harris County Public Health, TX

Chris Barker, MS, PhD, Associate Professor and Researcher, University of California Davis, CDC Center of Excellence

Lauren Lochstampf, Environmental Health Specialist, Disease Carrying Insects Program, Fairfax County Health Department, VA (Booth 7)

Lunch

12:00 – 1:15pm

Lunch will be served in the Lower Atrium.

Lightning Rounds

1:15 – 2:25pm

Learn from your peers in the lightning round sessions! Winners of a competitive selection process will briefly demonstrate a tool or best practice used in their mosquito control organizations.

Best Practices for Integrated Mosquito Management at Anastasia Mosquito Control District

Rui-de Xue, PhD, Anastasia Mosquito Control District (Booth 3)

Moving Forward: Integration with Communicable Disease Control Services and Other Program Improvements

James Sayers, St. Louis County Department of Health (Booth 4)

Community-based Participatory Surveillance: Utility of the Kidenga App as a Vector Surveillance and Prevention Tool

Steve Waterman, MD, MPH, Centers for Disease Control and Prevention

Networking Coffee Break & Booth Visitations

2:25 – 3:10pm

The Lightning Rounds act as teasers for the tools and resources that will be shared during Booth Visitations. Booths will be staffed by local mosquito control jurisdictions and industry partners demonstrating methods of mosquito control technology. See the full booth list below.

Extended Technical Training: Integrated Mosquito Management

3:10 – 5:00pm (Concurrent)

Isik Unlu, PhD, Chair of Training and Member Education, American Mosquito Control Association (AMCA)

This training session will provide participants the opportunity to discuss a case study scenario based on the AMCA Best Practices Manual Process. During this activity, table groups will be asked to discuss alternatives for mosquito control and make decisions based on scenarios provided. Facilitators will then provide optimal solutions based on best practices and debrief additional thoughts and insights from the table groups.

Map A Scenario 2—Moderate Resources, Suburban Southwest: Salon V

Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite and Rodent Control Board, LA

Map B Scenario 2—Moderate Resources, Urban Mid-Atlantic: Salon VI

Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, CDC NCEZID; Former President, AMCA

Map A Scenario 1—Limited Resources, Suburban Southwest: Salon VII

Jason Kinley, MS, AMCA President-elect, District Manager, Gem County Mosquito Abatement District, IA

Map B Scenario 1—Limited Resources, Urban Mid-Atlantic: Salon VIII

Michael Doyle, State Public Health Entomologist, North Carolina Department of Health and Human Services, NC

Generic Map Scenario 3—Robust Resources, Southern U.S., Congested Suburban: Discovery

Wayne Gale, President, AMCA; Executive Director, Lee County Mosquito and Hyacinth Control Districts

WEDNESDAY, MARCH 14: PESTICIDE RESISTANCE TESTING

Core Competency

- Pesticide resistance testing

Supplemental Competencies

- Vector control activities other than chemical control
- Regular communication with local health departments regarding surveillance and epidemiology
- Outreach (communication and/or cooperation) with nearby vector control programs

Breakfast & Registration

8:00 – 9:00am

Breakfast will be served in Salons V – VIII.

Lightning Rounds

9:00 – 10:10am

Learn from your peers in the lightning round sessions! Winners of a competitive selection process will briefly demonstrate a tool or best practice used in their mosquito control organizations.

Mosquito Surveillance in Southern Nevada: *Aedes aegypti* 2017

Vivek Raman, Southern Nevada Health District (Booth 5)

Timely Public Health Intervention and Vector-borne Response Planning

Phil Maytubby, Oklahoma City-County Health Department (Booth 6)

Genetic Tools to Control Insects: Friendly™ Mosquitoes

Derric Nimmo, Oxitec (Booth 2)

Networking Coffee Break & Booth Visitations

10:10 – 11:15am

The Lightning Rounds act as teasers for the tools and resources that will be shared during Booth Visitations. Booths will be staffed by local mosquito control jurisdictions and industry partners demonstrating methods of mosquito control technology. See the full booth list below.

Keynote: Pesticide Resistance Testing

11:15am – 12:00pm

Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite, and Rodent Control Board

Lunch

12:00 – 1:00pm

Lunch will be served in the Lower Atrium.

Panel Discussion with Q&A

1:00 – 2:15pm

Ben Beard, BS, MS, PhD (Moderator), Deputy Director, Division of Vector-Borne Diseases, CDC NCEZID

Janet McAllister, PhD, BCE, Research Entomologist, CDC NCEZID

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

Michael Doyle, State Public Health Entomologist, North Carolina Department of Health and Human Services

Coffee Break

2:15 – 2:30pm

Extended Technical Training: Integrated Mosquito Management

2:30 – 4:30pm (Concurrent)

Isik Unlu, PhD, Chair of Training and Member Education, AMCA

This training session will provide participants the opportunity to learn about resistance and monitoring through a flash card activity. They will discuss an additional case study component regarding pesticide resistance based on the AMCA Best Practices Manual Process. During this activity, table groups will be asked to discuss resistance and make decisions based on scenarios provided. Facilitators will provide optimal solutions based on best practices and debrief additional thoughts and insights from the table groups. Session will conclude with a brief overview of the AMCA resources available for further study.

Map A Scenario 2—Moderate Resources, Suburban Southwest: Salon V

Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite and Rodent Control Board, LA

Map B Scenario 2—Moderate Resources, Urban Mid-Atlantic: Salon VI

Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, CDC NCEZID; Former President, AMCA

Map A Scenario 1—Limited Resources, Suburban Southwest: Salon VII

Jason Kinley, MS, AMCA President-elect, District Manager, Gem County Mosquito Abatement District, IA

Map B Scenario 1—Limited Resources, Urban Mid-Atlantic: Salon VIII

Michael Doyle, State Public Health Entomologist, North Carolina Department of Health and Human Services, NC

THURSDAY, MARCH 15: LICENSING AND ORDINANCES

Supplemental Competencies

- Licensed Pesticide Application
- Regular communication with local health departments regarding surveillance and epidemiology
- Outreach (communication and/or cooperation) with nearby vector control programs
- Bonus competency: Local ordinances (topic identified by NACCHO Vector Control Workgroup)

Breakfast & Registration

8:00 – 8:45am

Breakfast will be served in Salons V – VIII.

Panel Discussion: Perspectives on Public Health Law and Mosquito Control

8:45 – 9:45am

Tyler Zerwekh, DrPH, REHS (Moderator), Administrator of Environmental Health Services Bureau, Shelby County Health Department, TN

Shaun C. May, MPH, REHS, Director of Environmental Health, Bi-City-County Health District, Amarillo, TX

Honorable Judge Thomas Walsh

Matthew Penn, JD, MLIS, Director, Public Health Law Program, Centers for Disease Control and Prevention

Closing Statements

9:45 – 10:00am

Oscar Alleyne, DrPH, MPH, Senior Advisor for Public Health Programs, NACCHO

Coffee Break

10:00 – 10:15am

Extended Technical Training

10:15am – 12:00pm (Concurrent)

Ensuring Successful Monitoring and Data Utilization for Program Improvement: Salon II

Rachel Morreale, Lee County Mosquito and Hyacinth Control Districts; **Jared Shoultz**, Health GIS Patterns Specialist, Esri
Hands-on demonstration on correct use of traps including common mistakes, maintenance and placement. The second part of the session will include using information collected to improve your program, including: engaging citizens, planning, reporting and sharing treatment activities and results, conducting field operations, monitoring mosquito populations and tracking vector-borne disease, and mapping data in real-time.

Building Programs Through Internal and External Partnerships: Salon V-VI

Shaun C. May, MPH, REHS Director of Environmental Health, Bi-City-County Health District, Amarillo, TX; **Terri Harder, BSN, RN**, Program Manager, Epidemiology and Health Assessment, Florida Department of Health in Collier County; **Jennifer Stepanian**, Florida Department of Health in Orange County

How three successful programs utilize internal, external, and non-traditional partnerships to protect public health.

How to Build and Improve Mosquito-Focused Outreach and Communications Programs: Salon VII

Vanessa Lamers, MEd, MPH, Assistant Director, Performance Management and Quality Improvement, Public Health Foundation; **Scott Meador**, Program Coordinator, Vector Control, Tulsa Health Department, OK

Building and improving outreach and communications around mosquito control and disease.

Pesticide Application: A Practical Guide to Pesticide Licensing, Label Interpretation and Rate Calculations: Salon VIII

Christine L. Vanover, MPH, Public Health Analyst, National Center for Environmental Health (NCEH), Water, Food, and Environmental Health Services Branch, CDC; **Andrew J Ruiz, MSPH**, Health Scientist, NCEH, Food, Water and Environmental Health Services Branch, CDC

Everything you wanted to know about pesticides including: interpretation of pesticide labels, application rates, and the intricacies of pesticide applicator licensing.

BOOTHS

1	Clarke
2	Oxitec
3	Anastasia Mosquito Control District
4	St. Louis County Department of Health
5	Southern Nevada Health District
6	Oklahoma City-County Health Department
7	Fairfax County Health Department
8	Florida Department of Health in Orange County
9	Centers for Disease Control and Prevention: National Center for Emerging and Zoonotic Infectious Diseases and National Center for Environmental Health CDC/NCEZID/NCEH
10	National Association of County and City Health Officials (NACCHO)

