

PROGRAM
71st Annual Meeting
Northeastern Mosquito Control Association
December 7–10, 2025
Margaritavill Resort – Cape Cod
Hyannis, MA

Sunday, December 7, 2025

3:00 PM-		Compass
7:00 PM	Exhibitor Set-up	Rose South
4:00 PM-		Continental
5:30 PM	Conference Prep	Drifter
		Continental
5:30 PM	Audit Committee Meeting	Drifter
		Continental
6:00 PM	Executive Board Meeting	Drifter

Monday, December 8, 2025

8:00 AM	Registration Table	Lobby
		Foyer
	Exhibitor Set-up/Booths Open	Compass
		Rose South
First Session	Moderator: Ellen Bidlack	Compass
		Rose East / West
9:00 AM	Welcome Address – Cape Cod Cooperative Extension	
9:20 AM	Presidential Address – <u>Ellen Bidlack</u> , NMCA President	
9:30 AM	AMCA Update – <u>Priscilla Matton</u> , AMCA North Atlantic Region Director	
9:45 AM	State of Maine Update, 2025 – <u>Charles Lubelczyk</u> , Sara Robinson, Haris Sohail, Hillary Peterson, MaineHealth Institute for Research, Maine Centers for Disease Control and Maine Department of Agriculture Conservation and Forestry	
10:00 AM	Coffee Break	Compass Rose South

**Second
Session**

Moderator: TBA

Compass
Rose East /
West

- 10:30 AM **Arbovirus Activity in Connecticut, 2025 –**
Tanya Petruff, John Shepard, Michael
Misencik, Angela Bransfield, Andrea Gloria-
Soria, Philip Armstrong, The Connecticut
Agricultural Experiment Station
- 10:45 AM **New Jersey 2025 Season Recap –**Scott Crans,
NJ Office of Mosquito Control Coordination
- 11:00 AM **Pennsylvania State Report –** Bryan Diehl, PA
Dept of Environmental Protection (recorded)
- 11:15 AM **Rhode Island State Report –** Janelle Couret,
RI Dept of Environmental Management,
Mosquito Office
- 11:30 AM **2025 New York State Arbovirus Surveillance
Update –** Alan Dupuis II, Valeri Schwartz, Elyse
Banker, Lindsay Tomaszek, Joseph Maffei,
Jennifer White, Alexander Ciota, New York
State Department of Health
- 11:45 AM **New Hampshire State Report –** Justin Adams,
Northeast Vegetation and Mosquito Control
- 12:00 AM **Lunch (on your own)**

**Third
Session**

Moderator: TBA

Compass
Rose East /
West

- 1:30 PM **Massachusetts Arbovirus Season 2025 –**
Matthew Osborne, MA Dept of Public Health
- 1:50 PM **2025 Arbovirus Surveillance in Vermont –**
Patti Casey and Eliza Doncaster, Vermont
Agency of Agriculture, Food and Markets
Environmental Surveillance Program
- 2:10 PM **Updates from NEVBD: Introducing Vector-
Borne Disease Careers to the Next
Generation –** Emily Mader, NEVBD, Cornell
University (recorded)

2:25 PM	Proven GIS Data Management Practices, Chad Minteer, Frontier Precision	
2:45 PM	The Role of <i>Oc. cantator</i> in Jamestown Canyon Virus Transmission - Justin Adams and Damian Andrada, Northeast Vegetation and Mosquito Control	
3:00 PM	Coffee Break	Compass Rose South
Fourth Session	Moderator: TBA	Compass Rose East / West
3:30 PM	Under Investigation: Mobilizing an operational response to a suspected locally acquired malaria case in Morris County, NJ– Teresa Duckworth, Morris County Mosquito Control	
3:45 PM	Stick and Strike: Concanavalin A-Guided Zein-Permethrin Nanocarriers for Targeted Tick Knockdown - Raja Muthuramalingam, Lorelei Sandland , Nubia Zuverza-Mena, Christian Dimkpa, Jason White, Goudarz Molaei, The CT Agricultural Experiment Station	
4:00 PM	Investigating the Feasibility of Nanopore Metagenomic Sequencing for Real-Time Vector-Borne Pathogen Surveillance - Brandon Assi ¹ , Noelle Khalil ² , Christian Eggers ¹ , Goudarz Molaei ^{2,3} , Paul Wolujewicz ¹ Quinnipiac University ¹ , The CT Agricultural Experiment Station ² , Yale School of Public Health ³	
4:15 PM	<i>Anopheles crucians</i> in CT – John Shepard , The CT Agricultural Experiment Station	
4:30 PM	AMREF – Update on Laboratory Training Course – Sybil Henry , AMREF (recorded)	
5:15 PM	NMCA Business Meeting	Compass Rose East / West

6:30 PM	President's Reception NMCA Scholarships and Awards	Fins Conference Center
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Tuesday, December 9, 2025

7:30 AM	Young Professionals Sponsored Breakfast – <i>invitation only</i>	
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8:00 AM	Registration Table Open	Lobby Foyer
	Exhibit Booths Open	Atlantic Rm

Fifth Session	Moderator: TBA	Compass Rose East / West
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9:00 AM	The effects of insecticide-treated resting boxes on <i>Culiseta melanura</i> populations and age-structure – <u>Domingo Lora Medina</u> and Janelle Couret, RI Dept of Environmental Management, Mosquito Office	
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9:20 AM	AMCA Update: Member Agencies are Helping Lead the Way with <i>Culicoides</i> Management Projects – <u>Dan Markowski</u> , American Mosquito Control Association	
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9:40 AM	Control Responses Based on Arbovirus Risk - <u>Catherine Brown</u> and Matthew Osborne, MA Dept of Public Health	
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10:00 AM	Coffee Break	Compass Rose South
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Sixth Session	Moderator: TBA	Compass Rose East / West
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10:30 AM	Empathy First: Building Trust and Community Engagement in Tickborne Disease Communication in Highly Affected Communities , <u>Lea Hammer</u> and <u>Patrick Roden-Reynolds</u> , Barnstable County Dept of Health and InterIsland Public Health Excellence Collaborative	
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11:00 AM	Massachusetts School Requirements - <u>Taryn LaScola</u> , MA Department of Agricultural Resources	
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11:20 AM	Pesticides and Risk, Musing on Messaging - <u>Dan Wixted</u> , Cornell University	
12:00 PM	William Zawicki Memorial Vendors Luncheon	Compass Rose East / West
Seventh Session	Moderator: TBA	Compass Rose East / West
1:30 PM	Pesticide Industry Legislative Updates from RISE - <u>Jon Gaeta</u> , Responsible Industry for a Sound Environment (RISE)	
2:00 PM	Monitoring for Mosquitoes During Wetland Restoration: An Overlooked Metric - <u>Roger Wolfe</u> , CT Dept. of Energy & Environmental Protection	
2:20 PM	Pesticide Resistance Monitoring - <u>Lindsay Baxter</u> , NEVBD, Cornell University	
2:40 PM	Tick Control Strategies - <u>Jessica Brown</u> , The CT Agricultural Experiment Station	
3:00 PM	Coffee Break	Compass Rose South
Eighth Session	Moderator: TBA	Compass Rose East / West
3:30 PM	Wetland Restoration/Management Project in Northeastern MA - <u>Robyn Januszewski</u> , Northeast MA Mosquito and Wetlands District	
3:50 PM	Updates to Timed Spray Applications of Acaricides to Target Blacklegged Ticks - <u>Natalie Bailey</u> , Scott Williams, Megan Linske, Jessica Brown, The CT Agricultural Experiment Station	
4:05 PM	Investigation of autosampling for age grading mosquitoes via shortwave infrared spectroscopic (SWIRS) analysis - <u>Christopher Swab</u> , Tufts University, 2024 McColgan Grant-In-Aid Recipient	

4:20 PM	Developing the first artificial tick feeding system for the American dog tick, <i>Dermacentor variabilis</i> - Jennifer Morra, Rutgers University, 2024 Jobbins Scholarship Recipient	
4:35 PM	The discovery of a novel Babesia in bat ticks (<i>Alectorobius kelleyi</i>) and big brown bats (<i>Eptesicus fuscus</i>) in the Northeastern US - James Occi, Olivia Schiermeyer, Jennifer Bloodgood, Melissa A Fadden, Holly M. Brown, MacKenzie Hall, Steph Stronsick, Victoria Campbell, Jessica L. Ransier, Melanie Seiders, Justin Brown, Center for Vector Biology, Rutgers Univ.	
6:30 PM	Silent Auction/Reception	Fins Conference Center
7:30 PM	NMCA Banquet (ticket required)	Fins Conference Center

Wednesday, December 10, 2025

8:30 AM	Exhibit Booths Open	Compass Rose South
Ninth Session	Moderator: TBA	Compass Rose East / West
9:00 AM-	WORKSHOP -Communicating with the Public about Vector Control: Practical Strategies for Professionals on the “Front Lines” - Johanna Ravenhurst¹, Scott Waterman², Stephanie Dugann-Stiles³, Andrew Lover¹, University of Massachusetts ¹ , VAAFM Director of Communications and Policy ² , Plymouth County Mosquito Control Project ³	
10:00 AM	Coffee Break	Compass Rose South
Tenth Session	Moderator: TBA	Compass Rose East / West

- 10:30 AM **Establishment of a Cervid-Vector Ecology Research Station (C-VERS): White-tailed deer as a model animal to study the biology and control of vectors and their pathogens** - Patrick Pearson, Mileena Ryan, Guang Xu, and Stephen M. Rich, University of Massachusetts & NEWVEC
- 10:50 AM **Development of Novel Mosquito mRNA Internal Control for RT-qPCR Arbovirus Detection Assays** - Nolan Stamborski¹, Connor Rich¹, Guang Xu¹, John Briggs², Jacquelin Borges¹, Stephen M. Rich¹, University of Massachusetts¹, Pioneer Valley Mosquito Control District²
- 11:10 AM **Distribution and Abundance of Piroplasms in White-tailed Deer (*Odocoileus virginianus*) in Massachusetts** - Jacquelin Borges, Patrick Pearson, Nolan Stamborski, Guang Xu, Stephen M. Rich, University of Massachusetts
- 11:30 AM **Arbovirus Serology in Maine Cervids** - Molly C. Meagher¹, Elizabeth Schneider¹, Alan Dupuis², and Charles Lubelczyk¹ MaineHealth Institute for Research, Vector-borne Disease Laboratory¹ Wadsworth Center, New York State Health Department²
- 11:45 AM **Closing Remarks** – Ellen Bidlack, NMCA President
- 12:00 – 3:00 PM **2025 Pesticide Resistance Monitoring Topical Assay Workshop – NEVBD** Compass
Rose East /
West
- Participants will receive an introduction to topical assays, their pros and cons for pesticide resistance monitoring, and will participate in a hands-on topical assay exercise.

Registration:

<https://bit.ly/TopicalAssayWorkshopNMCA>
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