

# NORTHWEST MOSQUITO AND VECTOR CONTROL ASSOCIATION SPRING WORKSHOP

**April 14<sup>th</sup> & 15<sup>th</sup> 2026**  
**Holiday Inn Express & Suites Pasco**  
**4525 Convention Place**  
**Pasco, WA 99301**  
**(509) 542-9874**

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## April 14<sup>th</sup>, 2026 - Morning Session

- 8:00 AM Registration Open
- 8:25 AM Welcome from NWMVCA Vice President – *David Nixon, Flathead County MCD*
- 8:30 AM A Unified Voice: How Sustaining Membership Strengthens Legislative Advocacy in the American Mosquito Control Association- *Angela Beehler, North Pacific Regional Director AMCA, Benton County MCD*
- 9:00 AM Pollinators and Mosquito Control - *Priyadarshini Chakrabarti Basu, Ph.D. Assistant Professor (Pollinator Health and Apiculture), Washington State University, USA*
- 10:00 AM Break- 30 minutes**
- 10:30 AM Decoding New Label Language for Pollinator and Endangered Species Protections. What it means for mosquito control. - *Dan Markowski, Ph.D. American Mosquito Control Association*
- 11:00 AM Mosquito Larvicide Resistance Management – *Tianyun Su, Ph.D., Ecodevelopment*
- 11:45 AM AMCA's UAS Subcommittee – *Rudy Cruz, Benton County MCD*
- 12:00 PM Sponsored Lunch – Onsite**

## Afternoon Session

- 1:00 PM Best Practices for Mosquito Adulticide Application, *Dave Boggs, Clarke Environmental*
- 1:30 PM Technical Update - *Samer Elkashef, Central*
- 2:00 PM Residual Treatments for Mosquito Control - *Casey Johnson - Vesperis*
- 2:30 PM Break- 15 minutes**
- 2:45 PM Granular Larvicides Calibration - *Paula Lado, Technical Sales Specialist, Valent BioSciences*
- 3:15 PM Active ingredients: how do they work – *Tim Reissen – Azelis*
- 3:45 PM From Label to Field: Safe & Effective Pesticide Handling for Mosquito Control – *Joe Comacho, Target Specialty Products*
- 4:15 PM Mapping and UAS Technology – *Peter Brake – Frontier Precision*
- 4:45 PM Discussion
- 5:00 PM Adjourn

**6:00-8:00 PM Social Event (TBD)**

**April 15<sup>th</sup>, 2026**

8:30 AM Safety, It's No Accident – Steve Ingalls – Benton County MCD

**AMCA's IMM Training Resources and Programs Hands-On Learning Workshop**

9:00 AM Stronger Together: The AMCA's IMM Training Resources and Programs, *Jennifer Gordon, PhD, Principal Entomologist, Bug Lessons Consulting LLC*

9:30 AM Enroll in certificate program, take 30 question initial assessment, (quick break)

10:00 AM Module 1: Mosquito Biology and Integrated Mosquito Management

**11:00 AM Break – 15 minutes**

11:15 AM Display of Innovations in field equipment from districts and vendors

12:00 Meeting Closed

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**NWMVCA SUSTAINING MEMEBERS**

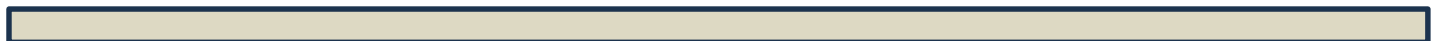
Azelis  
Clarke  
Idaho Mosquito and Vector Control Association  
Leading Edge  
North Morrow Vector Control District  
Target Specialty Products  
Three Rivers Mosquito & Vector Control  
Valent BioSciences Public Health  
Veseris  
West Umatilla Mosquito Control District

**NWMVCA OFFICERS**

President: Shaun Calver  
President Elect: Matt Hutchinson  
Vice President: David Nixon  
Past President: Nikki Harris  
Secretary/Treasurer: Chris Law  
Executive Director: Peter DeChant

**NWMVCA REPRESENTATIVES**

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Alberta: Vacant  
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Oregon Rep: Ken Carver  
Saskatchewan: Vacant  
Washington Rep: David Beus  
Industry Rep: Samer Elkashef  
Trustee Rep: Doug Shinn  
Newsletter Editor: Vacant  
Webmaster: Kevin Shoemaker  
N. Pacific AMCA Director: Angela Beehler



## Presentation Abstracts – April 14th

**8:30 AM**      **AMCA Update - *Angela Beehler, North Pacific Regional Director AMCA, Benton County MCD***  
**Abstract:** Legislative and regulatory decisions at the federal and state levels increasingly shape how mosquito and vector control programs operate. From pesticide regulation and water permitting requirements to endangered species considerations and funding for public health initiatives, effective advocacy is essential to ensure that policies remain grounded in science and operational reality. This presentation will focus on how sustaining memberships strengthen the American Mosquito Control Association's ability to advocate for mosquito control programs and public health professionals. Sustaining member support helps fund coordinated legislative outreach, policy monitoring, and engagement with federal agencies and lawmakers, enabling AMCA to provide timely, credible input on issues affecting vector control nationwide.

**9:00 AM**      **Pollinators and Mosquito Control - *Priyadarshini Chakrabarti Basu, Ph.D. Assistant Professor (Pollinator Health and Apiculture), Washington State University, USA***  
**Abstract:** Pollinators are an essential component of agricultural and ecological systems. Dr. Basu will discuss the Biology and Ecology of pollinators and the importance of coordination between mosquito control, beekeepers and wildlife managers.

**10:30 AM**      **Decoding New Label Language for Pollinator and Endangered Species Protections. What it means for mosquito control. - *Dan Markowski, Ph.D. American Mosquito Control Association***  
**Abstract:** Mosquito control labels contain new language related to pollinator protection, especially in terms of endangered pollinator species. Dr. Markowski will review the new requirements and discuss what is required for compliance when mosquito control applications are made.

**11:00 AM**      **Mosquito Larvicide Resistance Management – *Tianyun Su, Ph.D., Ecodevelopment***  
**Abstract:** Insecticide resistance in mosquitoes is a challenge to vector control programs worldwide. Resistance to mosquito larvicides has been documented in for multiple active ingredients and formulations across a variety of species. Dr. Su is a global insecticide resistance expert who has focused his career on mosquitoes and other vectors. He will discuss the challenge of larvicide resistance and how to manage it.

**11:45 AM**      **AMCA's UAS Subcommittee – *Rudy Cruz, Benton County MCD***  
**Abstract:** Unmanned aerial systems (UAS) are commonly referred to as drones. Drones have proven extremely useful in mosquito control both for surveillance and treatment of mosquitoes. Mr. Cruz serves on the American Mosquito Control Association UAS Subcommittee which addresses the opportunities and challenges associated with UAS in mosquito control. He will introduce attendees to the important work of this subcommittee.

**1:00 PM**      **Best Practices for Mosquito Adulticide Application, *Dave Boggs, Clarke Environmental***  
**Abstract:** Mosquito adulticides are essential tools for control of mosquitoes. They are needed both for the prevention of disease transmission and for management of severe mosquito nuisance biting. Mr. Boggs will discuss proper application of mosquito adulticides for efficacy, safety and environmental protection.

**1:30 PM**      **Technical Update - *Samer Elkashef, Central***  
**Abstract:** Central™ develops and manufactures several mosquito control products for use globally. Mr. Elkashef will provide an update on recent developments and technical aspects of Central's products.

**2:00 PM Residual Treatments for Mosquito Control - Casey Johnson – Vesperis**

**Abstract:** The use of residual insecticides in mosquito control can provide benefits on a local scale. Mr. Johnson will discuss products, application methods, labels, equipment and safety considerations for their use.

**2:45 PM Granular Larvicides Calibration - Paula Lado, Technical Sales Specialist, Valent BioSciences**

**Abstract:** Granular mosquito larvicides are an important tool for mosquito control programs. Dr. Lado will discuss what calibration and characterization means generally, and why both processes are important. She will also discuss how to perform calibrations in the field for granular larvicide applications from the air and from the ground.

**3:15 PM Active ingredients: how do they work – Tim Reissen – Azelis**

**Abstract:** A wide range of active ingredients (AI's) and modes of action are used in mosquito control. Mr. Reissen will discuss how various AI's work to control insects and other vectors.

**3:45 PM From Label to Field: Safe & Effective Pesticide Handling for Mosquito Control – Joe Comacho, Target Specialty Products**

**Abstract:** From Label to Field: Safe & Effective Pesticide Handling for Mosquito Control provides a technical overview of pesticide label interpretation and its application in vector control operations. The presentation addresses label components, regulatory compliance, signal words, application rates, PPE requirements, transport and storage protocols, equipment calibration, and proper disposal procedures. Emphasis is placed on legal responsibility and adherence to label directions to ensure safe, effective, and compliant mosquito control practices.

**4:15 PM Operational UAS Applications – Peter Brake – Frontier Precision**

**Abstract:** Unmanned aerial systems (UAS) are commonly referred to as drones. Drones have proven extremely useful in mosquito control both for surveillance and treatment of mosquitoes. Mr. Brake will discuss technical aspects of drone operation in mosquito control applications with focus on how atmospheric conditions affect lift payload and application capacity.

**Presentation Abstracts April 15th**

**8:30 AM Safety, It's No Accident – Steve Ingalls – Benton County MCD**

**Abstract:** The purpose of this presentation is to inform other mosquito control programs of the steps Benton County Mosquito Control takes to educate employees and keep the workplace as safe as possible. The presentation will outline the efforts by Benton County Mosquito Control to provide safety training for all employees. Initial training, ongoing training, documentation of completed training, safety committees, and outside sources of training materials used in our program will be discussed. In addition, our right-to-know information, HAZCOM training, safe pesticide handling, our accident prevention plan, and other safety programs will be briefly discussed. Preventing accidents in the workplace is an ongoing effort. It takes planning and involves cooperation from all employees. Accidents are always potential. Discussing potential accident scenarios and ways to avoid accidents in the workplace is key in keeping employees safe.

**9:00 AM Stronger Together: The AMCA's IMM Training Resources and Programs, Jennifer Gordon, PhD, Principal Entomologist, Bug Lessons Consulting LLC**

**9:00- 11:00 AM: AMCA's IMM Training Resources and Programs Hands-On Learning Workshop  
Instructor: Jennifer Gordon**

**Abstract:** This two-hour session will introduce attendees to the American Mosquito Control Association's (AMCA) Best Practices for Integrated Mosquito Management virtual training and certificate program, led by the program's co-developer. The session begins with an overview of four CDC-funded, free training materials developed by the AMCA between 2021 and 2024. After the overview, the instructor will guide participants through the enrollment process for the AMCA's integrated mosquito management certificate program using attendees' own computers or tablets. As part of enrollment, learners will complete an initial 30-question assessment. Once enrolled, attendees will have one hour to complete the first course on Mosquito Biology and Integrated Mosquito Management. This module covers mosquito diversity, the impact of mosquitoes on humans and animals, fundamental mosquito biology and ecology, an introduction to integrated mosquito management, and an overview of what to expect in future modules. To complete this module, learners will read pages 13–19 of the AMCA's Best Practices for Integrated Mosquito Management manual, watch a ~24-minute pre-recorded lecture, and finish a 10-question knowledge check. By the end of the session, participants will be fully prepared to continue through the remaining 12 modules independently and earn their AMCA Certificate of Achievement.

#### Expanded Agenda

9:00 AM- Stronger Together: The AMCA's IMM Training Resources and Programs, Jennifer Gordon, PhD, Principal Entomologist, Bug Lessons Consulting LLC Abstract

In response to the increasing need for science-based mosquito control, the American Mosquito Control Association (AMCA), with CDC support, updated and developed a suite of free training resources from 2021 to 2024. These resources aim to enhance the vector control workforce and improve adoption and execution of integrated mosquito management (IMM) programs. The first resource released was the updated 2021 edition of the AMCA's Best Practices for Integrated Mosquito Management manual. This update improved the manual's accessibility with a fresh design and added new content on managing Culex mosquitoes, expanded guidance on surveillance methods, and enhanced strategies for community engagement. In 2022, a supplemental manual was created to guide mosquito management during public health emergencies. The following year, the association launched a virtual training and certificate program on IMM that includes 13 modules covering mosquito biology, the principles of IMM, and how to apply the lessons learned. Finally, the AMCA launched a second virtual training program in 2024 designed to help public health professionals plan and prepare for responding to mosquito-driven public health emergencies. This lecture will provide an overview of these four free training resources. Afterward, the speaker will guide attendees to enroll in the 2023 certificate program and complete Module 1 on Mosquito Biology and Integrated Mosquito Management.

9:30 AM- Attendees pull out their computers or tablets, register with the AMCA's learning management system CE21, enroll in the certificate program, and begin the 30- question initial assessment. Quick bio breaks are permitted. 10:00 AM- Attendees begin Module 1: Mosquito Biology and Integrated Mosquito Management

#### **11:15 AM Display of Innovations in field equipment from districts and vendors**

**Abstract:** Innovations and continuous improvements are an important focus of mosquito and vector control programs. Meeting participants are invited to display improvements to equipment for surveillance, public education and treatment. Space will be reserved for trucks and equipment in front of the hotel. Each program is asked to provide a representative to provide hands-on explanation of the innovation.