The MDARD has assigned 12 recertification credits for Certified Pesticide Applicators. Attendees on Wednesday will receive 8 credits, while attendees on Thursday will receive 4 credits. The credits may be used for either Category 7F or CORE.

**Save the Date!**

31st Annual MMCA Conference
February 1–2, 2017
DoubleTree by Hilton, Port Huron

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Michigan Mosquito Control Association
30th Annual Conference
February 3 - 4, 2016

Weber’s Inn
3050 Jackson Rd
Ann Arbor, MI 48103
www.webersinn.com
(734) 769-2500
Wednesday, February 3, 2016

Moderator - Doug Allen

8:00 AM
Complimentary Mugs and Refreshments Provided by Al’s Aerial Spraying (Century Ballroom)

8:00 AM
Registration (Ballroom Lobby)

9:00 AM
Welcome (East-West Ballroom)
Douglas W. Allen
2015-2016 MMCA President

9:05 AM
Keynote Address -
Elnian E. Gilbert
Zingerman’s of Ann Arbor

Elnian Gilbert is an Ann Arbor native who started working in the service industry while still in high school. You could say that Elnian has both service and Zingerman’s in her blood!

Her past customer service experience ranged from retail to nonprofit to higher education, ultimately finding a home at Zingerman’s in 2006 as seasonal holiday help at Zingerman’s Mail Order.

It was at Zingerman’s that Elnian discovered an appreciation for working in a business that had three bottom lines - Food, Service, and Finance - which led her to, with characteristic determination, seek opportunities to continue working at Zingerman’s after her stint at the Mail Order business. When a position at ZingTrain opened up, she jumped at the chance, and has been an integral part of ZingTrain ever since!

Elnian now shares Zingerman’s approach to business in ZingTrain’s public 2-day seminars and workshops as well as delivering customized training and facilitation for clients across the country (and Canada!) Her particular areas of focus are Customer Service and Training, with a growing interest in vision facilitation. Elnian’s clients include a wide array of industries, such as libraries, information technology, health care, financial services, specialty retail, co-operative groceries, manufacturing, wholesale, and all levels of education.

2015-2016 MMCA Standing Committees

Awards and Recognition Committee
Chairman: Rebecca Brandt
Phone: (989) 894-4555
Email: brandtr@baycounty.net

Finance Committee
Chairman: Mary McCary
Phone: (989) 894-4555
Email: mccarrym@baycounty.net

Membership and Nominating Committee
Chairman: Alicia Wallace
Phone: (989) 894-4555
Email: wallacea@baycounty.net

2016 Planning Committee
Chairman - Mary McCary
Co-Chairman - Tami Seago
Co-Chairman - Chris Novak

2017 Planning Committee
Chairman - Margaret Breasbois
Phone: (989) 755-5751
Email: mbreasbois@scmac.org

Scientific Committee
Chairman: Chuck Pearce
Phone: (989) 755-5751
Email: cpearce@scmac.org
2015-2016 MMCA Board of Directors

President - Douglas Allen
Midland County Mosquito Control
2180 North Meridian Road, Sanford, MI 48657
Phone: (989) 832-8677 | Fax: (989) 832-6697
Email: dwallen@co.midland.mi.us

Vice-President - Erik Foster
Michigan Department of Health and Human Services
201 Townsend Street, 5th Floor, Lansing, MI 48913
Phone: (517) 335-9655 | Fax: (517) 894-4195
Email: fostere@michigan.gov

Treasurer - Mary McCary
Bay County Mosquito Control
810 Livingston Avenue, Bay City, MI 48708
Phone: (989) 894-4555 | Fax: (989) 894-4068
Email: mccarrym@baycounty.net

Secretary - Alicia Wallace
Bay County Gypsy Moth Suppression Program
515 Center Ave Ste 503, Bay City, MI 48708
Phone: (989) 895-4195 | Fax: (989) 895-4068
Email: wallacea@baycounty.net

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2180 N Meridian Road, Sanford, MI 48657
Phone: (989) 832-8677 | Fax: (989) 832-6697
Email: cdoud@co.midland.mi.us

Trustee - Paul Gutka
Saginaw County Mosquito Abatement Commission
211 Congress Street, Saginaw, MI 48602
Phone: (989) 755-5751 | Fax: (989) 758-2309
Email: paul@scmac.org

Trustee - Randy Knepper
Saginaw County Mosquito Abatement Commission
211 Congress Street, Saginaw, MI 48602
Phone: (989) 274-1961 | Fax: (989) 758-2309
Email: rknepper26@chartermi.net

Board Terms
1 Year Term
President
Vice-President
2 Year Terms
Treasurer
Secretary
Trustees

2015-2016 MMCA Presidents
Douglas W. Allen

Mr. Allen received his Bachelor’s degree in Fisheries & Wildlife Management from Lake Superior State University. He has worked with Midland County Mosquito Control since 1986 as a Technician, Foreman and is currently Biologist.

Wednesday, February 3, 2016

Moderator - Doug Allen

10:05 AM
American Mosquito Control Association Update
Joseph M. Conlon
AMCA Technical Advisor

10:25 AM
Emerging Arboviruses in the Americas Update
Erik S. Foster, MS
Michigan Department of Health and Human Services

10:45 AM
Mid-Morning Break (Century Ballroom)

11:00 AM
Climate and Weather Impacts on the West Nile Virus Threat
Nancy E. Westcott, PhD
Midwestern Regional Climate Center
University of Illinois at Urbana Champaign

11:30 AM
Mosquitoes and the Local Health Department Experience
Sara E. Simmonds, MPA, REHS
Kent County Health Department
**30th Annual MMCA Conference**

**Wednesday, February 3, 2016**

**Moderator - Doug Allen**

**Lechel Memorial Scholarship Presentation**

**11:45 AM**

Legacy Effects of Emerald Ash Borer, *Agrilus planipennis* on Stream Ecosystem Function

Courtney E. Larson
Michigan State University

**12:00 Noon**

MMCA Business Meeting & Lunch (Harvest Ballroom)

Workaholics Buffet - Soup, Sandwiches, Potato Salad, House Salad, Chips, Cookies & Brownies

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**To honor the memory of William J. Lechel, II, APM Mosquito Control and Clarke sponsor a scholarship competition held in conjunction with the Michigan Mosquito Control Association’s Annual Conference. Those entering this competition will present findings from their research or a synopsis of existing research.**

**2016 Scholarship Deadline**

**November 15, 2016**

**Speakers**

- **Richard Adler**
  University of Michigan - Dearborn
  Department of Natural Sciences
  Dearborn, MI 48128
  (313) 593-5288
  radi@umich.edu

- **Doug Allen**
  Midland County Mosquito Control
  2180 North Meridian Road
  Sanford, MI 48657
  (989) 832-8677
dwallen@co.midland.mi.us

- **Paul Botch, PhD**
  Entomology Department
  Michigan State University
  288 Farm Lane, Room 46
  East Lansing, MI 48824
  (517) 884-7899
  botchpau@msu.edu

- **Susan Bryan**
  Washtenaw County Water Resources Commissioner’s Office
  705 N Zeeb Road
  Ann Arbor, MI 48107
  (734) 730-9025
  bryanis@washtenaw.org

- **Joseph Conlon**
  American Mosquito Control Association
  1500 Millbrook Court
  Fleming Island, FL 32003
  (904) 215-9660
  joecc@mocso.org

- **Carl Doud, PhD**
  Midland County Mosquito Control
  2180 North Meridian Road
  Sanford, MI 48657
  (989) 832-8677
cdoud@co.midland.mi.us

- **Erik Foster, MS**
  Michigan Department of Health & Human Services
  201 Townsend Street, 5th Floor
  Lansing, MI 48913
  (517) 335-9655
  fostere@michigan.gov

- **Enian Gilbert**
  Zingerman’s of Ann Arbor
  3728 Plaza Drive
  Ann Arbor, MI 48108
  (734) 930-1919
egilbert@zingermans.com

- **Gavin Greer**
  Tuscola County Mosquito Abatement District
  1500 Press Road
  Caro, MI 48723
  (989) 672-3748
  ggreer@tuscolacounty.org

- **Michael Hansen**
  Michigan Department of Agriculture and Rural Development
  Pesticide and Plant Pest Management Division
  717 St Joseph Dr #196
  St Joseph, MI 49085
  (269) 429-0669
  hansenmg@michigan.gov

- **Brett Ireland**
  Midland County Mosquito Control
  2180 North Meridian Road
  Sanford, MI 48657
  (989) 832-8677
  bireland@co.midland.mi.us

- **Kevin Kern**
  Michigan Department of Agriculture and Rural Development
  3655 S Block Road
  Frankenmuth, MI 48734
  (989) 239-7637
  kernk@michigan.gov

- **Courtney Larson**
  American Mosquito Control Association
  1500 Millbrook Court
  Fleming Island, FL 32003
  (904) 215-9660
  jolec@mocso.org

- **Bradley Looy**
  Velocity Systems, LLC
  6291 Tyler Street
  Big Rapids, MI 49307
  (866) 349-1373
  blooy@velocitysystems.biz

- **Stephen Manweiler, PhD**
  Metropolitan Mosquito Control District
  2009 University Avenue West
  St. Paul, MN 55104
  (651) 645-9149
  mmcd.sam@mmcd.org

- **Chuck Pearce**
  Saginaw County Mosquito Abatement Commission
  211 Congress Avenue
  Saginaw, MI 48602
  (989) 755-5751
cpearce@mccmac.org

- **Tami Seago**
  APM Mosquito Control
  21240 34 Mile
  Armada, MI 48005
  (586) 292-6187
  apmtss@emailnet.net

- **Mark Shepirdigian**
  Rose Pest Solutions
  PO Box 309
  Troy, MI 48099
  (248) 588-7005
  shesp@rosepest.com

- **Rajeev Vaidyanathan, PhD**
  Clarke Mosquito
  675 Sidwell Court
  St Charles, IL 60174
  (630) 671-3083
  rvaidyanathan@clarke.com

- **Nancy Westcott**
  Illinois State Water Survey
  2204 Griffith Drive
  Champaign, IL 61801
  (217) 244-0884
  nan@illinois.edu

- **Larry Zapfe**
  Tuscola County Mosquito Abatement District
  1500 Press Road
  Caro, MI 48723
  (989) 672-3748
  lzapfe@tuscolacounty.org

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**Speakers**

- **Sara Simmonds, MPA, REHS**
  Kent County Health Department
  700 Fuller Avenue NE
  Grand Rapids, MI 49503
  (616) 632-7316
  sara.simmonds@kentcountymi.gov

- **Nancy Westcott**
  Illinois State Water Survey
  2204 Griffith Drive
  Champaign, IL 61801
  (217) 244-0884
  nan@illinois.edu

- **Larry Zapfe**
  Tuscola County Mosquito Abatement District
  1500 Press Road
  Caro, MI 48723
  (989) 672-3748
  lzapfe@tuscolacounty.org
**Kenley Farrel Memorial Scholarship**

The first place $1,000 winner is Jenna McDonell. Jenna is a senior at Saginaw Valley State University. She is currently completing her last semesters of the Nursing program. In her free time she enjoys reading, or spending time with her family kayaking, either in her own backyard along the Kawkawlin River, or north to the AuSable. After graduation she plans to continue for her masters with a focus on patient education and nutrition for chronic diseases, and partner with foundations on community wellness.

Conratulations Jenna!

The second place $250 winner is Ryan Miller. Ryan Miller is currently a senior at Heritage High School in Saginaw. Ryan is a motivated student who excels in and out of the classroom. He is involved in numerous extra-curricular activities including basketball, baseball, National Honor Society, and a 3-year DECA state-qualifier. Outside of school, Ryan is a church lector, a volunteer for Project Independence Ramp Builds, and has attended multiple National Young Leaders Conferences. Next year he plans to major in Business/Marketing while attending Michigan State University, the University of Michigan, or Trine University.

Congratulations Ryan!

**2015 Scholarship Topic**

"Avian Mortality as an Indicator of Human Risk for West Nile virus"

**2016 Scholarship Topic**

"Integrated Mosquito Management and Its Role in Pollinator Protection"

**Wednesday, February 3, 2016**

**Moderator - Randy Knepper**

1:30 PM
Rain Gardens
Susan Bryan, MLA
Washtenaw County Water Resources Commissioner’s Office

1:55 PM
Why is it so Hard to Control Bed Bugs in Lower-Income Housing?
Rajeev Vaidyanathan, PhD
Clarke

2:15 PM
Pollinator Protection/Honey Bee Health
Michael G. Hansen
Regional Supervisor/State Apiarist
Michigan Department of Agriculture and Rural Development
Pesticide and Plant Pest Management Division

2:45 PM Vendor Introduction/Presentations

3:00 PM Afternoon Break (Century Ballroom)
Wednesday, February 3, 2016

Moderator - Brett Ireland

3:15 PM
MDARD/Regulatory Updates
Kevin C. Kern
Michigan Department of Agriculture and Rural Development

3:35 PM
Succession Planning for Sustaining a Healthy, Vibrant Agency
Stephen A. Manweiler, PhD
Metropolitan Mosquito Control District, Minnesota

3:55 PM
The Impact of Cholera and Mosquito-Borne Disease in the 19th-Century Michigan Territory
Richard Adler
University of Michigan - Dearborn

4:25 PM
Managing the Media
Joseph M. Conlon
American Mosquito Control Association

5:00 PM - 10:00 PM (Atrium Ballroom)
Wednesday Evening Banquet & Entertainment

30th Annual MMCA Conference

Confrence Exhibitors

SPECIAL THANKS!!

MMCA can not begin to thank the vendors enough for all their generosity, support, and dedication. There are many vendors that have been with us since the beginning and have continued to support MMCA year after year. We are able to give our members so much more through the generosity of our sponsors and exhibitors.

Thanks for all you do and we hope to continue to see you in the years to come.

Adapco, Inc
550 Aero Lane
Sanford, FL 32771
(866) 279-7934
www.myadapco.com

Midland County Mosquito Control
2180 N Meridian Road
Sanford, MI 48657
(989) 832-8677
www.co.midland.mi.us/mosquito

Al’s Aerial Spraying
3473 North Shepardsville Road
Ovid, MI 48866
(989) 834-5067
www.alsaerialspraying.com

Saginaw County Mosquito Abatement Commission
211 Congress Avenue
Saginaw, MI 48602
(989) 755-5751
www.scmac.org

AllPro Vector Group
640 Griswold Street, Suite 200
Northville, MI 48167
(248) 773-7460
www.allprovectormosquito.com

Univar USA
37637 Five Mile Road
Livonia, MI 48154
(248) 357-2230
www.pestweb.com

Bay County Mosquito Control
810 Livingston Avenue
Bay City, MI 48708
(989) 894-4555
www.baycounty-mi.gov/mosquitocontrol

Valent BioSciences Corporation
4908 Wedgefield Drive
Wilmington, NC 28409
(910) 392-3685
www.valentbiosciences.com

Bayside Vector Control, Inc
2055 Bilter Road
Aurora, IL 60502
(630) 240-2368

Velocity Systems, LLC
21443 18 Mile Road
Big Rapids, MI 49307
(866) 349-1373
www.mqtrack.com

Clarke
675 Sidwell Court
St Charles, IL 60174
(800) 323-5727
www.clarke.com

Zoecon
44 Cardinal Drive
Wilmington, OH 45177
(937) 47-1676
www.centrallifesciences.com

Michigan Mosquito Control Association
PO Box 366
Bay City, MI 48707
(989) 894-4555
www.mimosq.org

*Remember your tickets

Cash Bar & Entertainment (Atrium Ballroom)

Awards Banquet and Photo Salon (Atrium Ballroom)
*Remember your tickets

Buffet Dinner Menu
Beef Pot Roast
Pan-Seared Chasseur Garlic Chicken

Weekly Evening Banquet & Entertainment

Comedian
Dylan Mandlsohn (Atrium Ballroom)
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William Lechel, II
- APM MOSQUITO CONTROL
- CLARKE

Earl’s Spray Service, Inc.

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ADAPCO
Thursday, February 4, 2016

Moderator - Isaac Blackmon

7:45 AM
Refreshments Available (Century Ballroom)

8:15 AM (East-West Ballroom)
Mosquito Control and Customer Service
Tami L. Seago, BSN
APM Mosquito Control

8:35 AM
Home Remedies for Better or Worse
Mark D. Sheperdigian
Rose Pest Solutions

9:05 AM
The Brown Marmorated Stink Bug (BMSB): Michigan’s Newest Home Invader
Paul S. Botch, PhD
Michigan State University

9:20 AM
Photography In Mosquito Control
Douglas W. Allen
Midland County Mosquito Control

9:35 AM
Into the MDNR Forest
Carl W. Doud, PhD
Midland County Mosquito Control

9:55 AM
Mid-Morning Break (Century Ballroom)

Thursday, February 4, 2016

Moderator - Erik Foster

10:25 AM
Benefits of Fleet Tracking
Bradley D. Looy
Velocity Systems, LLC

10:45 AM
Mosquito Control, The Public Perception
Brett R. Ireland
Midland County Mosquito Control

11:00 AM
The Importance of Mosquito Disease Surveillance to a Control Program
Charles R. Pearce
Saginaw County Mosquito Abatement Commission

11:15 AM
Utilizing a Backpack Sprayer
Larry W. Zapfe
Tuscola County Mosquito Abatement

11:30 AM
Treating Around Organic Farms
Gavin D. Greer
Tuscola County Mosquito Abatement

11:45 AM
Concluding Remarks & President’s Drawing
Erik S. Foster
2016-2017 MMCA President

Erik Foster

Erik Foster is the Medical Entomologist for the Bureau of Disease Control, Prevention, and Epidemiology at the Michigan Department of Health and Human Services. Working with human and animal healthcare providers, local public health, university partners, and mosquito districts, Erik provides statewide human and ecologic surveillance for arboviruses and other zoonotic diseases. He also provides assistance and consultation on issues regarding public health nuisance pests for housing providers, the public, and enforcement agencies.

Thursday, February 4, 2016

2016-2017 MMCA President
Erik S. Foster

Erik Foster

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