

2019 NORTH CENTRAL FOREST PEST WORKSHOP
FINAL PROGRAM
23-26 September 2019
The Morton Arboretum

MONDAY SEPTEMBER 23RD

- **1:00 to 5:00 pm: Afternoon Event (Optional): Tram Tour** of The Morton Arboretum and Center for Tree Science
- **5:00 to 6:30 pm: “Meet and Greet” and Networking Time** at the Morton Arboretum Visitor Center

TUESDAY SEPTEMBER 24TH (Oral Presentations)

8:15 AM: WELCOME AND OPENING REMARKS (Chuck Cannon and Fredric Miller)

OAK HEALTH

- **8:30 to 9:00 AM:** Oak decline: diagnosing and managing a complex of disease, insect, and environmental factors by **Chelsi Abbott**
- **9:00 to 9:30 AM:** An alternative to root rupture for treating Oak Wilt (*Bretziella fagacearum*) by **Dustin Bronson** (presenter), Kyoko Scanlon, Laura Reuling, and Jed Meunier
- **9:30 to 9:50 AM:** Oaks and nitidulids: small beetles, big threat by **Olivia R. Morris**, Deborah G. McCullough, Bert M. Cregg, Therese M. Poland, Monique L. Sakalidis, and Karandeep Chahal. Department of Entomology, Michigan State University.
- **9:50 to 10:10 AM:** Biology and detection of *Bretziella fagacearum*, the causal agent of oak wilt, in Michigan by **Karan Chahal** (presenter), Olivia Morris, Deborah McCullough, Bert Cregg, Timothy Miles, and Monique Sakalidis

10:15 to 10:30 AM: REFRESHMENT BREAK AND POSTER VIEWING

- **10:30 to 11:00 AM:** Herbicide Drift Damage. **Robbie Doerhoff** or **Natalie Diesel**. Missouri Department of Conservation

BEECH LEAF DISEASE

- **11:00 to 11:30 AM:** Update on beech leaf disease. **Sharon Reed**.

- **11:30 to 12:00 Noon:** Development of a Restoration Planting Strategy to Mitigate Beech Bark Disease at Two National Lakeshores in Northern Michigan. **Andrea L Myers**, Tara L Bal, Bruce Leutscher, Andrew J. Storer, and Yvette L Dickinson. Michigan Technological University.

12:00 Noon to 1:00 PM: LUNCH AND POSTER VIEWING

HEMLOCK WOOLY ADELGID

- **1:00 to 1:20 PM:** Detection tools for the hemlock woolly adelgid. **Jeffrey Fidgen**
- **1:20 to 1:50 PM:** Hemlock wooly adelgid (HWA): Effects of cold, plant phenology, and insecticide management. **Deborah McCullough**, Justin Keyzer, and Yvonne White, Department of Entomology, Michigan State University.
- **1:50 to 2:10 PM:** Spruce decline in urban landscapes by **Monique Sakalidis**
- **2:30 to 4:30 PM: FIELD TRIPS** (Morton Arboretum Grounds – Tram will depart from Thornhill Education Center)

4 :30 PM TO 5:30 PM: MIXER AND POSTER VIEWING

6 :30 PM : GROUP DINNER at Founder’s Room, Thornhill Education Center

WEDNESDAY SEPTEMBER 25TH

8 :15 to 8:30 AM: WELCOME AND ANNOUNCEMENTS

EMERALD ASH BORER

- **8:30 to 8:50 AM:** Ash physiology and potential for resilience to emerald ash borer: investigations in two different common gardens. **Laurel Haavik** (presenter), Justin Whitehill, Vaughn Salisbury, James Fischer, Lina Madilo, Kistie Brunsell, Joerg Bohlmann, Joy Ward, and Dan Herms
- **8:50 to 9:20 AM:** Emerald Ash Borer Mitigation Implementation at Sleeping Bear Dunes National Lakeshore. A Six Year Review by **Nicole Schafer**
- **9:20 to 9:40 AM:** Legacy effects of Emerald Ash Borer in riparian forests. **Patrick J. Engelken** and Deborah G. McCullough. Department of Entomology, Michigan State University.
- **9:40 to 10:00 AM:** Region-wide patterns of ash demographics following invasion by emerald ash borer by **Samuel F. Ward** (presenter), Songlin Fei, Andrew M. Liebold, and Randall S. Morin

10:00 to 10:30 AM: REFRESHMENT BREAK AND POSTER VIEWING

- **10:30 to 10:50 AM:** The importance of an EAB trapping program in an urban setting by **Scott Cassidy** and Elsa Cousineau
- **10:50 to 11:10 AM:** Show me your friends and I will show you your future: Urban ash trees and EAB. **Dora M. Mwangola**, Jennifer A. Burrington, Angie K. Ambourn, Mark D. Abrahamson and Brian H. Aukema. Department of Entomology, University of Minnesota.
- **11:10 to 11:30:** Compatibility of insecticides and biocontrol for EAB management in the urban forest by **Fredric Miller**, E. Hayes, and E. McMahan
- **11:30 to 11:50 AM:** Effect of cooling rate on survival of *Spathius galinae* when exposed to sub-zero temperatures. **Jacob T. Wittman**, Jian J. Duan, Robert C. Venette, and Brian H. Aukema. Department of Entomology, University of Minnesota.
- **11:50 to 12:10 AM: EAB egg parasitoids. Toby Petrice**
- **12:10 to 12:30 PM:** FraxiProtect for control of EAB. **Sammie Meade** and Mark Ardis.

12:30 to 1:15 PM: LUNCH AND POSTER VIEWING

GENERAL FOREST HEALTH AND FIRE AND STATE REPORTS

- **1:15 to 1:45 PM:** Update on spotted lanternfly (SLF). **Phil Lewis**
- **1:45 to 2:30 PM:** State and Provincial Reports (5 minutes per report)

2:30 to 2:45 PM: REFRESHMENT BREAK

- **2:45 to 5:00 PM: FIELD TRIPS (Morton Arboretum Grounds – Tram leaves from Thornhill Education Center)**
- **5 :00 TO 6 :00 PM: MIXER AND POSTER VIEWING**
- **6:00 PM - EVENING: DINNER ON YOUR OWN**

THURSDAY SEPTEMBER 26TH

8:15 to 8:30: WELCOME AND HOUSEKEEPING

GENERAL FOREST HEALTH

- **8:30 to 8:50 AM:** An integrated management approach for Asian chestnut gall wasp in commercial chestnut orchards. **Louise L. Labbate** and Deborah G. McCullough. Department of Entomology, Michigan State University.
- **8:50 to 9:10 AM:** From forest to farm: the arthropod complex in hazelnuts. **Hailey N. Shanovich** and Brian H. Aukema. Department of Entomology, University of Minnesota.
- **9:10 to 9:30 AM:** The scent of a stranger: semiochemical responses of mountain pine beetle and *Ips grandicollis* in a novel species interaction. **Zach M. Smith**, Kevin D. Chase, Aubree M. Kees, Etusro Takagi, and Brian H. Aukema. Department of Entomology, University of Minnesota.
- **9:30 to 9:50 AM: TCD-WTB. Matt Ginzel**
- **9:50 to 10:10 AM:** Examining the larch casebearer, *Coleophora laricella*, and the associated parasitoid complex on eastern larch, *Larix laricina*, in the Great Lakes region. **Spencer P. Stout** and Brian H. Aukema. Department of Entomology, University of Minnesota.
- **10:10 to 10:10:30 AM:** Velvet longhorned beetle: a new invasive woodboring beetle in Minnesota. **A. Grace Haynes**, Marissa A. Streifel, Angie K. Ambourn, and Brian H. Aukema. Department of Natural Resource Sciences, University of Minnesota.
- **10:30 to 11:00 AM:** Fire compacts: Shared resources for forest health applications. **Richard Wilson**, Minnesota DNR

11:00 TO 11:15 AM: REFRESHMENT BREAK AND POSTER TAKE DOWN

11:15 to 11:30 AM: USFS SPFO St. Paul Field Office Update

11:30 to 12:00 NOON: NCFPW Business Meeting, Closing Thoughts, and Adjournment

NCFPW 2019
Business Meeting

September 26, 2019 @ 11:30
Lisle, Illinois

Attendees present – Board members included Simeon Wright, Brian Schwingle, Andrea Diss-Torrance, Sue Crocker, Sharon Reed, Tara Bal, and Natalie Diesel. A number of general members were present, including Fredric Miller, Erin McMahan, MNDNR (Val Cervenka, Rachel Nicoll, Megan O’Neil, and Eric Otto), UMN (Brian Aukema and several students), Robbie Doerhoff, MSU (Deb McCullough and several students), WIDNR (Becky Gray), Linda Haugen, Dennis Haugen.

Student Oral Presentation and Poster Competition Winners

- Oral presentations – A. Grace Haynes (UMN) and Zach Smith
- Poster presentations – Jill Hautaniemi (UWI-Madison)

Treasurer’s Notes – Brian Schwingle

- We are healthy financially
- Summary for 2019 NCFPW
 - The cost of the meeting was kept low by Fredric and Erin
- Balance summary
 - Income: \$5341.03 (\$6750 less than in 2018; \$995 less than in 2017)
 - Costs: \$8121.28 (\$3250 less than in 2018; \$3470 more than in 2017)

Current balance: \$4994.54

Take-away Points from 2019 Planning – Fredric and Erin

- The idea of breaking up the field trips over two days was a big decision, but feedback from attendees indicates that it worked well.
- Getting notice and meeting details out ahead of time is very helpful
- Tried to keep registration costs down and included a student rate to increase student attendance
- Make sure you have plenty of presentations to fill the time
- Watch your catering budget, as it can be tricky
- Paypal seemed to work well for registration
- Personally, IL elected not to have a late registration fee; however, it’s something to consider
- Brian Schwingle – get student participation
- Tara Bal – liked that the student presentations were integrated throughout the presentations vs. have a student session

- Brian Aukema – Seconded Tara’s comment. Thanks as it was a great opportunity for students to participate in the meeting, presentations, and meeting organization.
- Andrea – Enjoyed the amount of networking time that was evenly distributed throughout the meeting
- Becky Gray – Dance card idea for networking. Keep trying to include times for networking.

Future Meeting Locations

- 2020 – Minnesota
- 2021 - TBD

Election of New Board Members

- Thanks to outgoing board members, Linda Haugen (USFS) and Elsa Cousineau (BioForest), for their service as members-at-large.
- Andrea proposed the nominations of Dustin Bronson (USFS) and Allison Herrell (Rainbow Treecare). Nominations seconded by the group with no objections
- Laurel Haavik got a new position in MT. Simeon will follow up with whether or not she will continue to serve on the board.
- Val Cervenka and the MNDNR Forest Health Group will be the 2019 meeting planners.

Open Forum

- Sue – Idea to update the website was discussed. Brian made a motion and members approved.
- Brian A – Reminder that NAFIWC 2021 will be held in Duluth

Current Board:

- Chair of Board of Representatives (3 year term—through 2021 meeting): Simeon Wright, Michigan DNR
- Treasurer (5 year term—through 2021 meeting): Brian Schwingle, Minnesota DNR
- Historian (5 year term—through 2021 meeting): Sue Crocker, USDA Forest Service, Andrea Diss-Torrance, Wisconsin DNR
- Member at Large (3 year term—through 2020 meeting): Noel Schneeberger, USDA Forest Service
- Member at Large (3 year term—through 2020 meeting): Sharon Reed, Ontario Min. of Natural Res.
- Member at Large (3 year term—through 2021 meeting): Linda Williams, Wisconsin DNR
- Member at Large (3 year term—through 2021 meeting): Tara Bal, Michigan Technical University
- Member at Large (3 year term—through 2021 meeting): Natalie Diesel, Missouri Dept. of Conservation

- Member at Large (3 year term—through 2022 meeting): Alison Herrell, Rainbow Treecare
- Member at Large (3 year term—through 2022 meeting): Dustin Bronson, USDA Forest Service
- Workshop Coordinator 2020: Val Cervenka, Minnesota DNR