Partnerships in Forest Health

September 11-14, 2023
Jefferson Street Inn and Event Center
Wausau, Wisconsin

EVENT SCHEDULE

Monday, September 11: Grant/Washington Rooms

3 p.m.	Depart Jefferson Street Inn for Fungal Foray and Fun Run
4-6 p.m.	*Registration*
6 p.m.	Dinner on your own *(A list of nearby restaurants is in your participant folder)*

Tuesday, September 12: Grant/Washington Rooms

7-8 a.m.	*Registration*
8-8:10 a.m.	Welcome to NCFPW
8:10-8:20 a.m.	**Heather Berklund,** Wisconsin DNR State Forester: Welcome to Wisconsin
8:20-8:40 a.m.	**Bob Smail,** Wisconsin DNR: The Legacy of the Cutover Period and its Effects on Current Forest Management
8:40-9 a.m.	**Lee Fredericks,** Rainbow Ecoscience: Tree Injection as an Option for Preserving Trees Within State Parks
9-9:20 a.m.	**Glynn Percival,** Bartlett Tree Experts: What Lurks Within: The Potential of Endophytes for Tree Disease Management
9:20-9:40 a.m.	**Glynn Percival:** Using Phage Biological Control for Bacterial Tree Pathogens
9:40-10:20 a.m.	*Break, snacks and poster viewing: Jefferson Room*
10:20-10:40 a.m.	**Patrick Englekin,** USFS: Conditions of Black Ash Forests at Three Regions in the Northeast United States
10:40-11 a.m.	**Deb McCullough,** Michigan State University: The Invader, the Keystone Species and Indigenous Culture: Emerald Ash Borer and Black Ash

11-11:20 a.m.	**Rachel Keppler,** Holden Forests and Gardens: Updates on Resistance Breeding in Ash, Beech and Eastern Hemlock
11:20-11:30 a.m.	**Andrew Mann,** University of Minnesota: Fungal Community Differences Between Eastern Larch Beetle and Red Turpentine Beetle
11:30-11:40 a.m.	**Olivia Bigham,** Purdue University: Understanding the Range and Etiology of Wilting Sassafras in the Midwest
11:40-11:50 a.m.	**Kathleen Bershing,** Michigan Technological University: Oak Wilt Further North? Examining Vectors, Spring Phenology, and Potential Risk Across Upper Michigan and Canada
11:50 a.m.-Noon	**Grace Graham,** University of Minnesota: Resin Defenses of *Larix laricina* in response to *Dendroctonus simplex*
Noon-1 p.m.	*Lunch, Lincoln Room*
1-1:10 p.m.	10-minute state report: Wisconsin, **Renee Pinski** and **Becky Gray**
1:10-1:20 p.m.	10-minute state report: Missouri, **Robbie Doerhoff**
1:20-1:40 p.m.	**Sarah Wegmueller,** USFS: Remote Sensing Tools and Technology for Forest Health Applications
1:40-2 p.m.	**Charlyn Partridge,** Grand Valley State University: Using Airborne DNA Techniques to Track Hemlock Woolly Adelgid in High-quality Eastern Hemlock Forests
2-2:20 p.m.	**Phil Townsend,** University of Wisconsin-Madison: Aerial Survey for Lingering Ash: A Potential Example of the Use of Aerial Hyperspectral Imagery in Forest Management
2:20-2:30 p.m.	**Rose Picklo,** University of Minnesota: Facultative Pre-pupal Diapause in the Eastern Larch Beetle, *Dendroctonus simplex* LeConte
2:30-2:40 p.m.	**Emily Althoff,** University of Minnesota: Forty Years of Cues and Clues: What Do We Know About Frontalin as an Attractant for the Eastern Larch Beetle?
2:40-3:10 p.m.	*Break, snacks and poster viewing: Jefferson Room*
3:10-3:20 p.m.	**Rosalind Remsen,** University of Wisconsin-Stevens Point: Preliminary Observations of Site and Soil Characteristics Related to White Oak Decline in the Chicago Region
3:20-3:30 p.m.	**Jessica Rootes,** University of Minnesota: Preliminary Comparison of Insect Natural Enemies of Eastern Spruce Budworm from Isle Royale National Park and Mainland Minnesota
3:30-3:50 p.m.	**Tivon Feeley,** Iowa DNR: Iowa's Rapid White Oak Mortality Update: A Look at Climate, Oak Wilt and Other Possible Contributing Factors
3:50-4 p.m.	10-minute state report: Iowa, **Tivon Feeley**
4-4:10 p.m.	10-minute state report: Minnesota, **Brian Schwingle**
4:10-4:20 p.m.	10-minute state report: Indiana, **Phil Marshall**
4:20-4:30 p.m.	*Wrap-up; announcements for Wednesday*
4:30-6 p.m.	*Mixer for all (Encourage student engagement), Lincoln Room*
6 p.m.	*Dinner, Lincoln Room.* Guest speaker: **Jennifer Juzwik,** USFS: Partnerships and Teamwork in Disease Research and Management: Reflections of a Research Forest Pathologist

Wednesday, September 13: Field Day

7-7:45 a.m.	*Registration; Board buses at 7:45 a.m.*
8 a.m.	Depart for Field Tour from Jefferson Street Inn
8-8:20 a.m.	Travel to Nine Mile County Forest, Wausau
8:20-11 a.m.	**Joe Tucker,** Marathon County Forester: Oak Wilt Girdle Herbicide Treatments and Oak Regeneration After Oak Acorn Weevil Infestation. *Includes one break (snacks and drinks)*
11-11:15 a.m.	Travel to Rib Mountain State Park
11:15 a.m.-Noon	**Bayli Christorf,** Wisconsin DNR: Forest Management on State Parks at Rib Mountain State Park
Noon-1 p.m.	*Lunch, Rib Mountain State Park indoor facility and outdoor amphitheater*
1-1:15 p.m.	*Group photo*
1:15-2 p.m.	**Nick Hovda,** Wisconsin DNR: Oak Wilt Management and Emerald Ash Borer Mitigation Strategies Through Timber Sale Establishment on a State Park
2-2:15 p.m.	*Break (snacks and drinks); Board buses by 2:15 p.m.*
2:15-2:30 p.m.	Travel to Barker-Stewart Island Park, Wausau
2:30-4 p.m.	**Holly Petrillo,** University of Wisconsin-Stevens Point, and **John Kahon,** Wausau City Forester: Goat Grazing for Control of Woody and Herbaceous Shrubs on a City of Wausau Property
4-4:30 p.m.	Return to Jefferson Street Inn *(Dinner on your own)*

Thursday, September 14: Grant/Washington Rooms

8-8:10 a.m.	10-minute provincial report: Manitoba, **Sima Feuer**
8:10-8:20 a.m.	10-minute provincial report: Ontario, **Dan Rowlinson**
8:20-8:40 a.m.	**Kyoko Scanlon,** Wisconsin DNR: Black Knot of Cherry: Case Study in Shawano County, Wisconsin
8:40-9 a.m.	**Sharon Reed,** Ontario Ministry of Natural Resources and Forestry: Update on Beech Leaf Disease
9-9:20 a.m.	**Jennifer Oestreich,** Wisconsin Department of Agriculture, Trade and Consumer Protection: Plant Protection Regulations: Development and Implementation of Quarantines for Plant Pests and Diseases
9:20-9:40 a.m.	**Amy Trowbridge,** University of Wisconsin-Madison: Carb Loading for The Marathon: The Role of Non-Structural Carbohydrate Reserves in Driving the Aspen Chemical Defense Response During a Spongy Moth Outbreak
9:40-10 a.m.	**Linda Williams,** Wisconsin DNR: Insect Invasion Following a Wildfire
10-10:40 a.m.	*Break, snacks, check out of hotel rooms, poster take-down (Jefferson Room)*
10:40-10:50 a.m.	Student presentation awards
10:50-11 a.m.	10-minute state report: Michigan, **Simeon Wright**
11-11:10 a.m.	10-minute state report: Illinois, **Fredric Miller**

11:10-11:30 a.m.	**Michael Falk,** Wisconsin Department of Agriculture, Trade and Consumer Protection: How Do Spongy Moth Outbreaks in Quarantined Counties Affect Population Spread in Western Wisconsin?
11:30-11:50 a.m.	**Andrea Diss-Torrance,** Wisconsin DNR: Forest Health Management in the Last 30 Years: How It Has Changed and What I Learned
11:50 a.m.-Noon	*Wrap-up and announcements*
Noon	NCFPW Board meeting

Poster Presentations (Jefferson Room)

• **Robbie Doerhoff,** Missouri Department of Conservation	Herbicide Injury Monitoring on Seventy-Six CA
• **Sayesha Khanna,** University of Minnesota	Invasive Spongy Moths in Minnesota: Understanding Dynamics, Improving Control and Addressing Concerns
• **Abigail Brett,** University of Minnesota	Are Invasive Satin Moths a Reservoir for Natural Enemies of Eastern Spruce Budworm in Isle Royale National Park in Lake Superior?
• **Matthew Garcia,** University of Wisconsin-Madison	Cano.py: Detecting Forest Disturbances and Invasive Insects from Landsat Phenology
• **Toby Petrice,** United States Forest Service	Seasonal Abundance of Elongate Hemlock Scale Natural Enemies in Michigan
• **Emily Althoff,** University of Minnesota	Preparing Today's Students for Tomorrow's Workforce: Incorporating State Needs into Classroom Publications