

## Sustainable Forests Education Cooperative

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# 2015 Workshop: Forest Health – Practical management options for local issues



This series of workshops will address current forest health threats with a focus on practical, site-level management techniques to address and mitigate them. The workshops are designed for both natural resource managers and logging contractors.

Forest management and timber harvesting activities are increasingly being considered to sustain or increase forest ecosystem health. Managers and loggers understand the forest health threats that may affect the health and productivity of their forests, but practical approaches to manage and harvest timber are plentiful and vary depending on local conditions and trends in forest pests. This workshop will provide

- an overview of local forest health threats for each location,
- on-the ground experience from natural resource professionals that have dealt with forest health issues, and
- practical management approaches to promote healthy forests.

An afternoon field tour will take us to nearby forests to discuss current forest health issues and management strategies. Lunch and refreshments will be provided with registration.

The lead instructor is [Dr. Matthew Russell](#) of the [University of Minnesota Department of Forest Resources](#), but several others presented at each workshop. This workshop is offered by SFEC, the [Minnesota Logger Education Program](#), and the [University of Minnesota Extension](#). It was offered three times in 2015:

**Date:** Thursday, September 10, 2015 from 8am-4pm  
**Location:** Lake County Law Enforcement Center, Two Harbors, MN  
**Focus:** Spruce budworm and aspen decline

[Agenda \(PDF\)](#)

**Date:** Tuesday, October 6, 2015 from 8am-4pm  
**Location:** International Falls, MN  
**Focus:** Eastern larch beetle and dwarf mistletoe

[Agenda \(PDF\)](#)

**Date:** Wednesday, October 7, 2015 from 8am-4pm  
**Location:** Grand Rapids, MN  
**Focus:** Spruce budworm

[Agenda \(PDF\)](#)

**The following organizations are helping to organize and deliver these workshops:** SFEC, MLEP, UMN Department of Forest Resources, Minnesota DNR-Division of Forestry, UPM-Blandin Paper Company, Lake County Land Department, and Molpus.

**Cover images** (click for originals and credits): [Eastern larch beetle](#), [spruce budworm](#), [spruce budworm](#), [eastern dwarf mistletoe](#), and [aspen decline](#). All used with permission.

## Notes from the workshops:

The Two Harbors workshop began with an overview of some forest health issues in Minnesota. Matt Russell opened the workshop discussing definitions of forest health and the many different components of forest health, including invasive plants, insects, disease, weather, hydrology, fire, and others.

Mary Morgan from the city of Superior, Wisconsin talked about until nearly \$4 million in value that ash trees contribute to the city and its residents and [shared some resources](#) about how the city is planning for the transition from ash to other tree species since the arrival of EAB.

Kimberly Thielen Cremers then gave a good talk on gypsy moths in Minnesota, updating the group on its current status. She reminded us that while gypsy moth is well-established in the United States, particularly in the East, over 2/3 of the susceptible areas of the US do not have gypsy moth, which makes continued attention to reducing gypsy moths spread important. She also shared updated information from the MDA about [gypsy moth status in Minnesota](#).

Charlie Blinn then discussed relationships between forest health and [Minnesota's Forest Management Guidelines](#). He let a small group activity or participants reviewed the new FMG quick reference and identify guidelines that can help to mitigate forest health threats, or improve forest health.



## Contact Us

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## Tweets from @MNForestEd Follow

**UMN SF...** @MNFores... · Sep 21  
 Brian Palik gave a great talk yesterday called Adaptive Silviculture for Climate Change: Lessons for timber-oriented managers.

If you missed it, here's the recording:  
[sfec.cfans.umn.edu/2022-webinar-s...](https://sfec.cfans.umn.edu/2022-webinar-s...)



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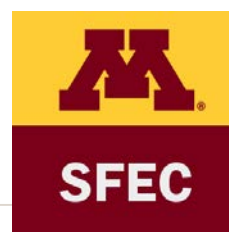
**UMN SF...** @MNFores... · Sep 20  
 Starting in 15 minutes: Adaptive Silviculture for Climate Change

# Forest Health: Practical Management Options for Local Issues

Sept. 10, 2015 (8:00 a.m. to 4:00 p.m.)

Lake County Law Enforcement Center (Two Harbors, MN)

<i>Time</i>	<i>Topic</i>	<i>Presenter(s)</i>
7:30 a.m.	Registration and check in	
8:00 a.m.	Introductions and workshop overview	<b>Matt Russell</b> , UMN Dept. of Forest Resources
8:15 a.m.	Forest health and invasive species: What's happening in northeastern MN	<b>Matt Russell</b> , UMN Dept. of Forest Resources
8:40 a.m.	Emerald ash borer on the doorstep: How Superior Wisconsin is dealing with EAB	<b>Mary Morgan</b> , Director of Parks, Recreation & Forestry, Superior, WI
9:20 a.m.	Gypsy moth and MDA's quarantine regulations	<b>Kimberly Thielen-Cremers</b> , Gypsy Moth Program Coordinator, MDA
10:00 a.m.	BREAK	
10:20 a.m.	Forest health: what the Forest Management Guidelines say	<b>Charlie Blinn</b> , UMN Dept. of Forest Resources
11:00 a.m.	Spruce budworm: decades of impacts and management	<b>Matt Russell</b> , UMN Dept. of Forest Resources
11:30 a.m.	Forest health from a forest industry perspective	<b>Ross Korpela</b> , Wood Procurement Manager, Sappi
12:00 p.m.	LUNCH	
12:30 p.m.	Travel to field sites	
1:00 p.m.	Site 1 - Spruce budworm (Drummond Grade)	<b>Bill Nixon &amp; Tom Bodell</b> , Lake County Forestry
2:30 p.m.	Site 2 – Aspen decline (Marlow Property)	
3:15 p.m.	Travel back to Lake County LEC	
4:00 p.m.	Adjourn	



# Forest Health: Practical Management Options for Local Issues

Oct. 6, 2015 (8:00 a.m. to 4:00 p.m.)

AmericInn (International Falls, MN)

<i>Time</i>	<i>Topic</i>	<i>Presenter(s)</i>
7:30 a.m.	Registration and check in	
8:00 a.m.	Introductions and workshop overview	<b>Rachel Peterson, MN</b> Logger Education Program
8:15 a.m.	Forest health and invasive species: What's happening in northern MN	<b>Matt Russell, UMN Dept. of Forest Resources</b>
8:40 a.m.	The tamarack conundrum: managing the eastern larch beetle outbreak	<b>Dana Carlson, MN DNR-Baudette</b>
9:20 a.m.	The science and management of dwarf mistletoe	<b>Fred Baker, Emeritus Professor, Utah State University</b>
10:00 a.m.	BREAK	
10:20 a.m.	Forest health: what the Forest Management Guidelines say	<b>Charlie Blinn, UMN Dept. of Forest Resources</b>
11:00 a.m.	Forest health from an investment perspective	<b>Craig Halla, MN Property Manager, Molpus Timberlands</b>
11:30 a.m.	Forest health from a mill's perspective	<b>Mary Perala, Boise Paper</b>
12:00 p.m.	LUNCH	
12:30 p.m.	Travel to field sites	
1:00 p.m.	Site 1: Eastern larch beetle (Old Number 4 Tamarack)	<b>Joe Brown, MN DNR-Littlefork</b>
2:00 p.m.	Travel to Site 2	
2:30 p.m.	Site 2: Dwarf mistletoe (Bear River Spruce)	
3:15 p.m.	Travel back to AmericInn	
4:00 p.m.	Conclude	

# Forest Health: Practical Management Options for Local Issues

Oct. 7, 2015 (8:00 a.m. to 3:00 p.m.)

North Central Research and Outreach Center, Multipurpose Room (Grand Rapids, MN)

<i>Time</i>	<i>Topic</i>	<i>Presenter(s)</i>
7:30 a.m.	Registration and check in	
8:00 a.m.	Introductions and workshop overview	<b>Rachel Peterson</b> , MN Logger Education Program
8:15 a.m.	Forest health and invasive species: What's happening in north-Central MN	<b>Matt Russell</b> , UMN Dept. of Forest Resources
9:00 a.m.	Invasive terrestrial plants in northern Minnesota	<b>Matt Russell</b> , UMN Dept. of Forest Resources, and <b>Laura Van Riper</b> , MN Dept. of Natural Resources
10:00 a.m.	BREAK	
10:20 a.m.	Forest health: what the Forest Management Guidelines say	<b>Charlie Blinn</b> , UMN Dept. of Forest Resources
11:00 a.m.	Spruce budworm: decades of impacts and management	<b>Matt Russell</b> , UMN Dept. of Forest Resources
11:30 a.m.	Forest health from a forest industry perspective	<b>Quintin Legler</b> , UPM-Blandin
12:00 p.m.	LUNCH	
12:45 p.m.	Travel to field site (walking)	<b>ICC students</b>
1:00 p.m.	Field site: Managing buckthorn (Itasca Community College)	
2:45 p.m.	Travel back to NCROC	
3:00 p.m.	Conclude	