

# **2003 NORTH CENTRAL REGIONAL HIGHLIGHTS**

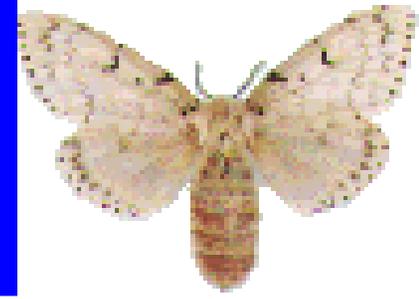
**Manfred Mielke**

**US Forest Service**

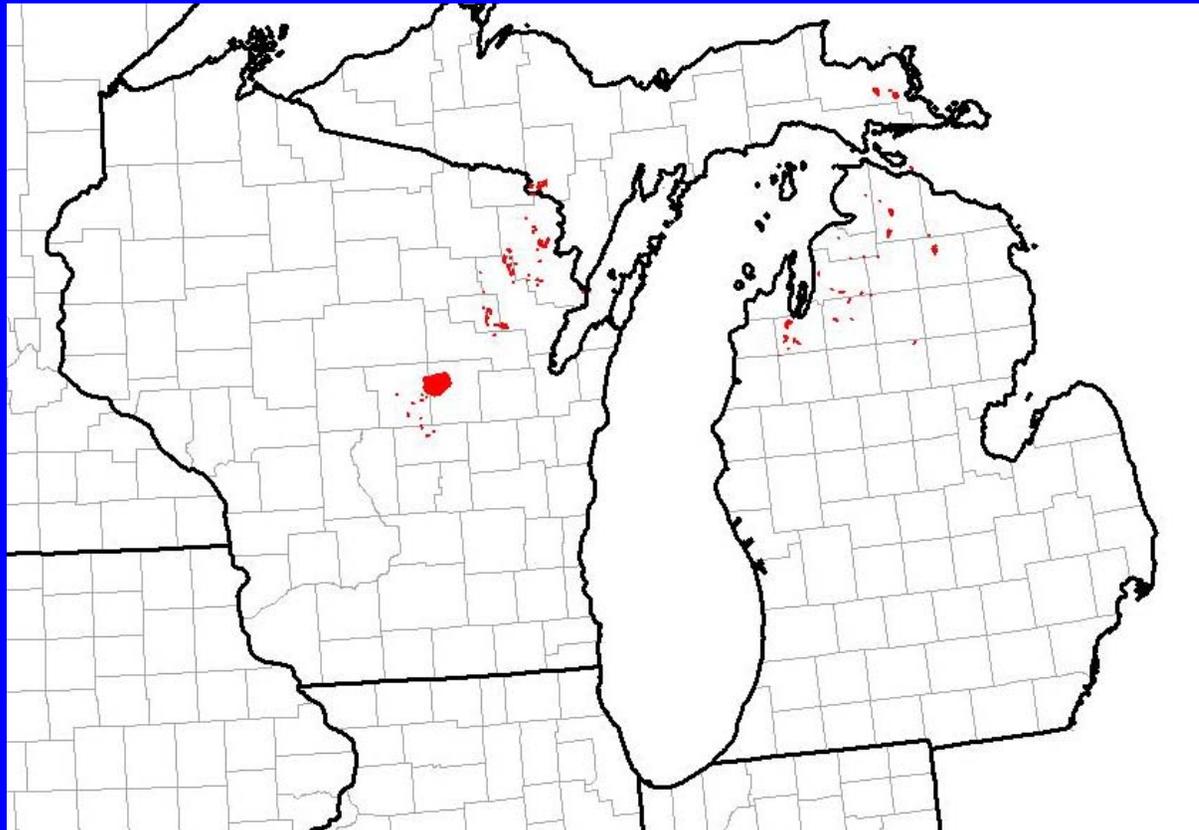
**Forest Health Protection**

**St. Paul Field Office**

# Gypsy Moth



132,628 Acres Defoliated

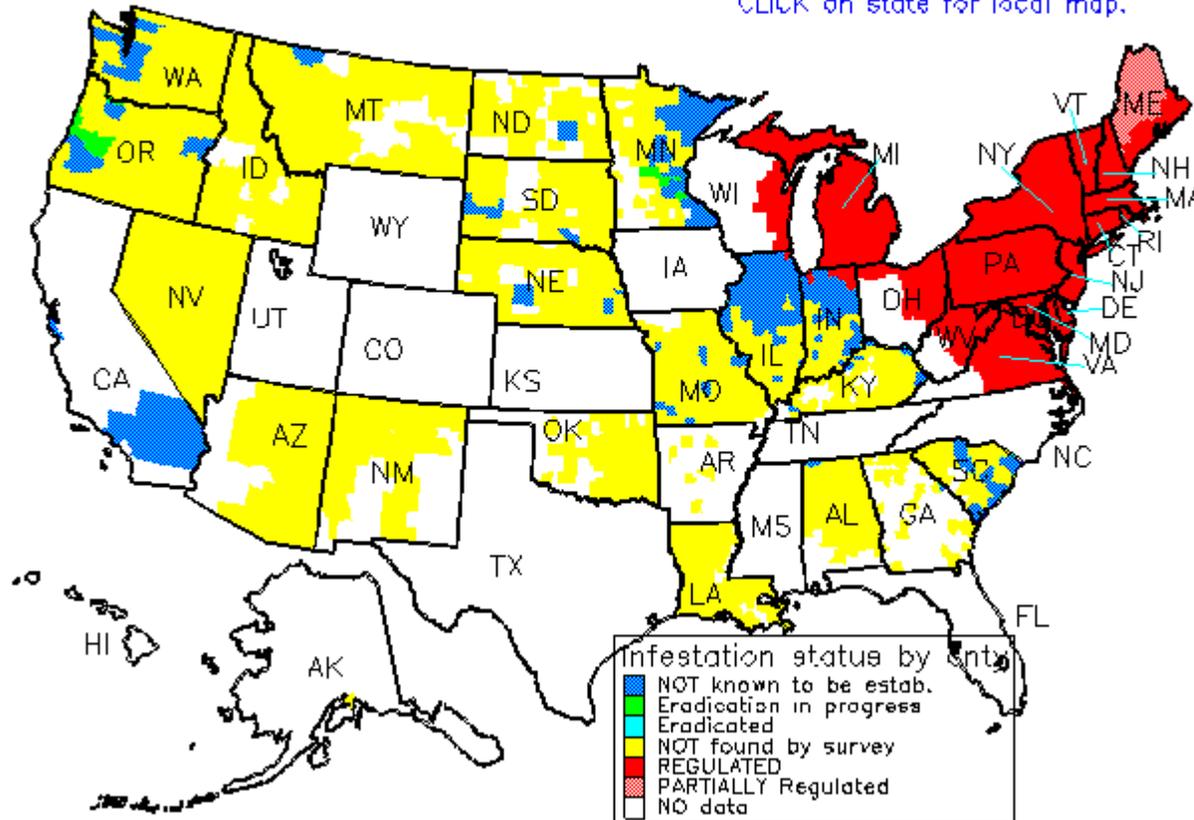


# 2003 Rptd Surveys & Regulated Area for European Gypsy Moth, *Lymantria dispar*

Data retrieved from National Agricultural Pest Information System 2003 12.30

[CLICK on legend area for explanation of terms.](#)

[CLICK on state for local map.](#)



The Center for Environmental and Regulatory Information Systems does not certify to the accuracy or completeness of this map.

# Asian Longhorned Beetle





inches

1

2

3

W. H. WOODWARD  
W. H. WOODWARD  
LAWRENCE, MISSOURI, U.S.A.

ICE  
No. 15  
MADE IN CHINA

ICE  
No. 16  
MADE IN CHINA

ICE  
No. 13  
MADE IN CHINA

ICE  
No. 11  
MADE IN CHINA

China  
MADE IN CHINA

# **KNOWN INFESTATIONS**

**NY – August 1996**

**IL – July 1998**

**NJ – October 2002**



UGA3047031

# EMERALD ASH BORER

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## HOSTS

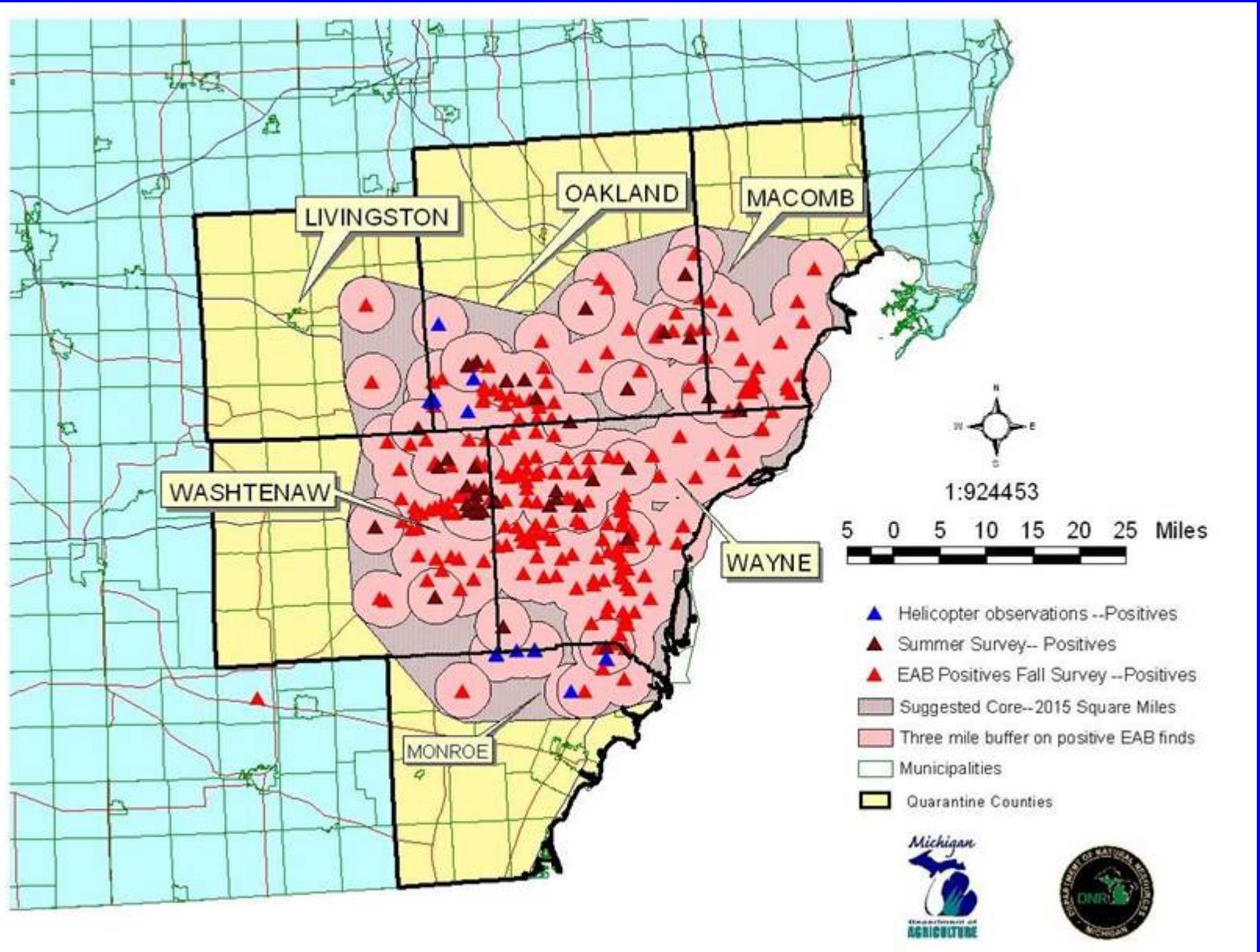
- **Native range:** *Fraxinus* spp.,  
*Juglans mandshurica*,  
*Pterocarya rhoifolia*, and  
*Ulmus davidiana*
- **U.S.:** only *Fraxinus*, at this time

# EMERALD ASH BORER

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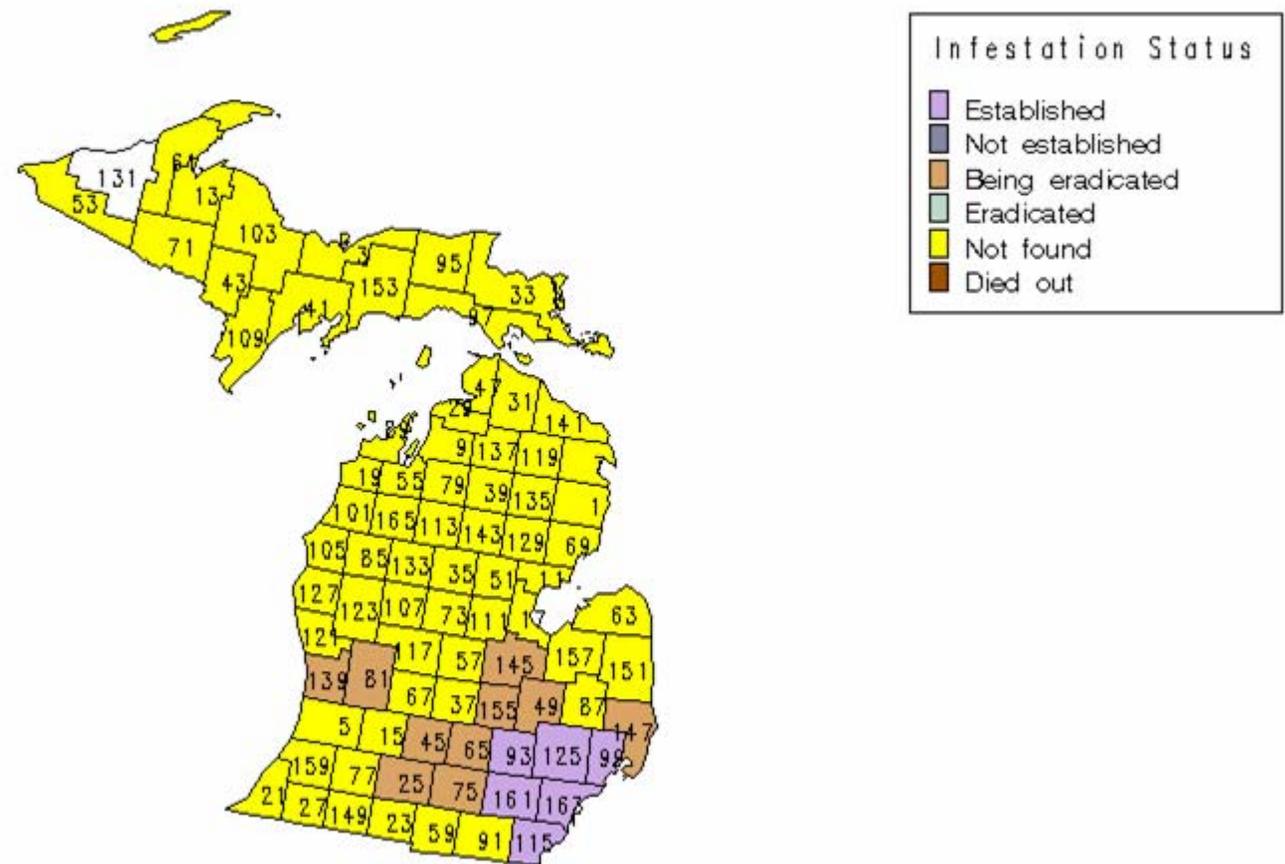


# July 2002 detected in the Detroit area (6 counties)



# Now 16 Michigan counties & Ontario (recently found in Ohio)

Reported Status of  
**EMERALD ASH BORER, AGRILUS PLANIPENNIS**  
 in MI  
 Data retrieved from National Agricultural Pest Information System on 2003-10-14



# EMERALD ASH BORER

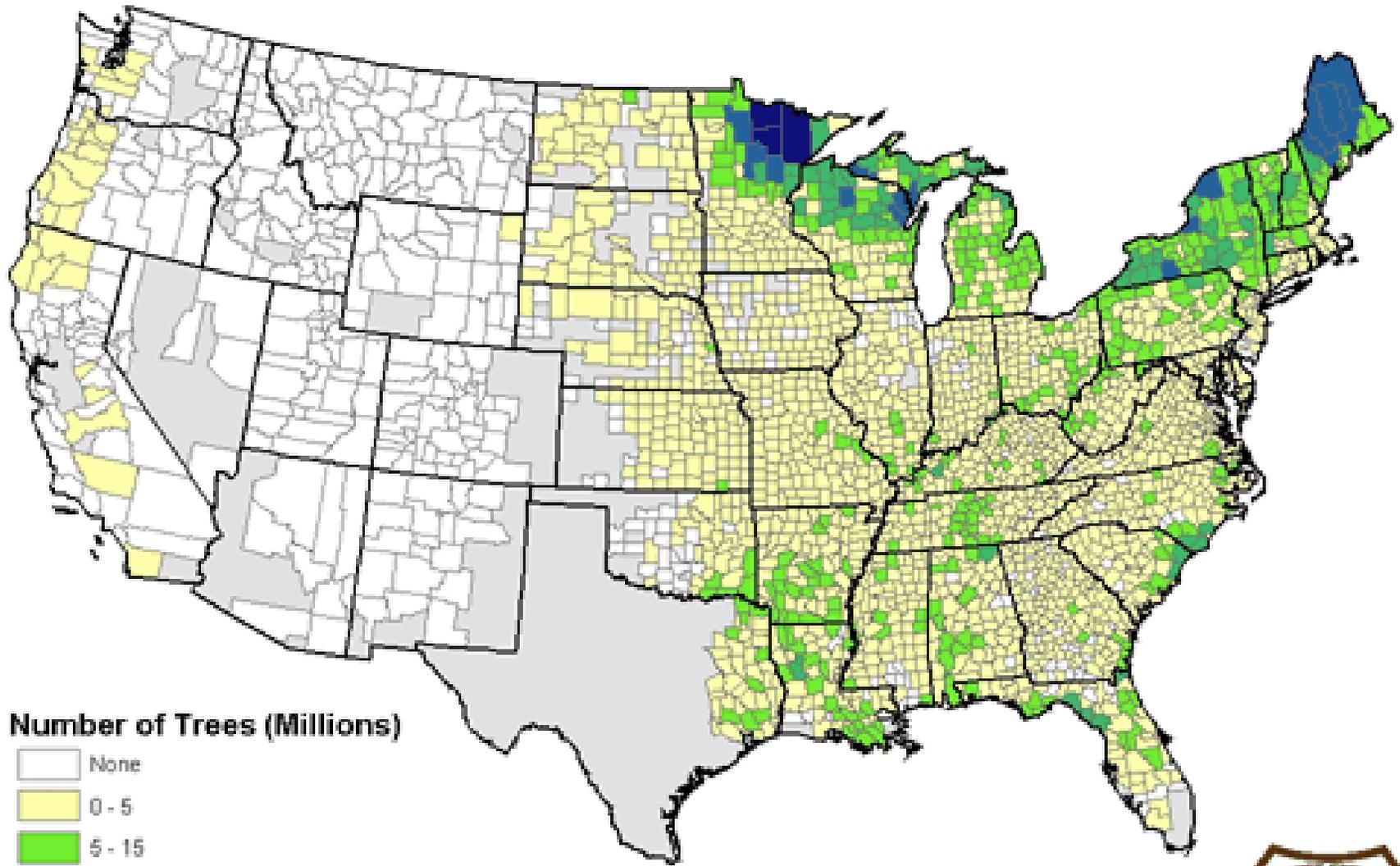
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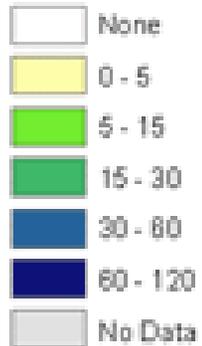
## Current Status

- 5.5 million infested ash in area
- Ashes are abundant in the region
- Limited control options

# Emerald Ash Borer Susceptibility - Known Host



## Number of Trees (Millions)



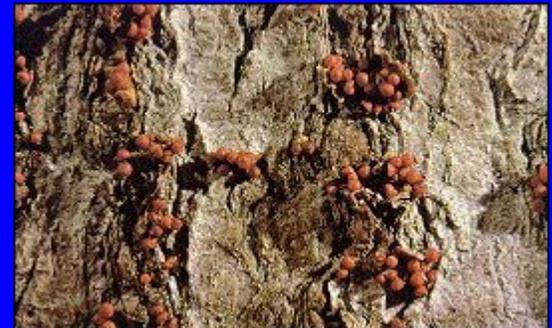
# BEECH BARK DISEASE

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## HOSTS

- **Native range:** *Fagus sylvatica*
- **U.S.:** *Fagus grandifolia*

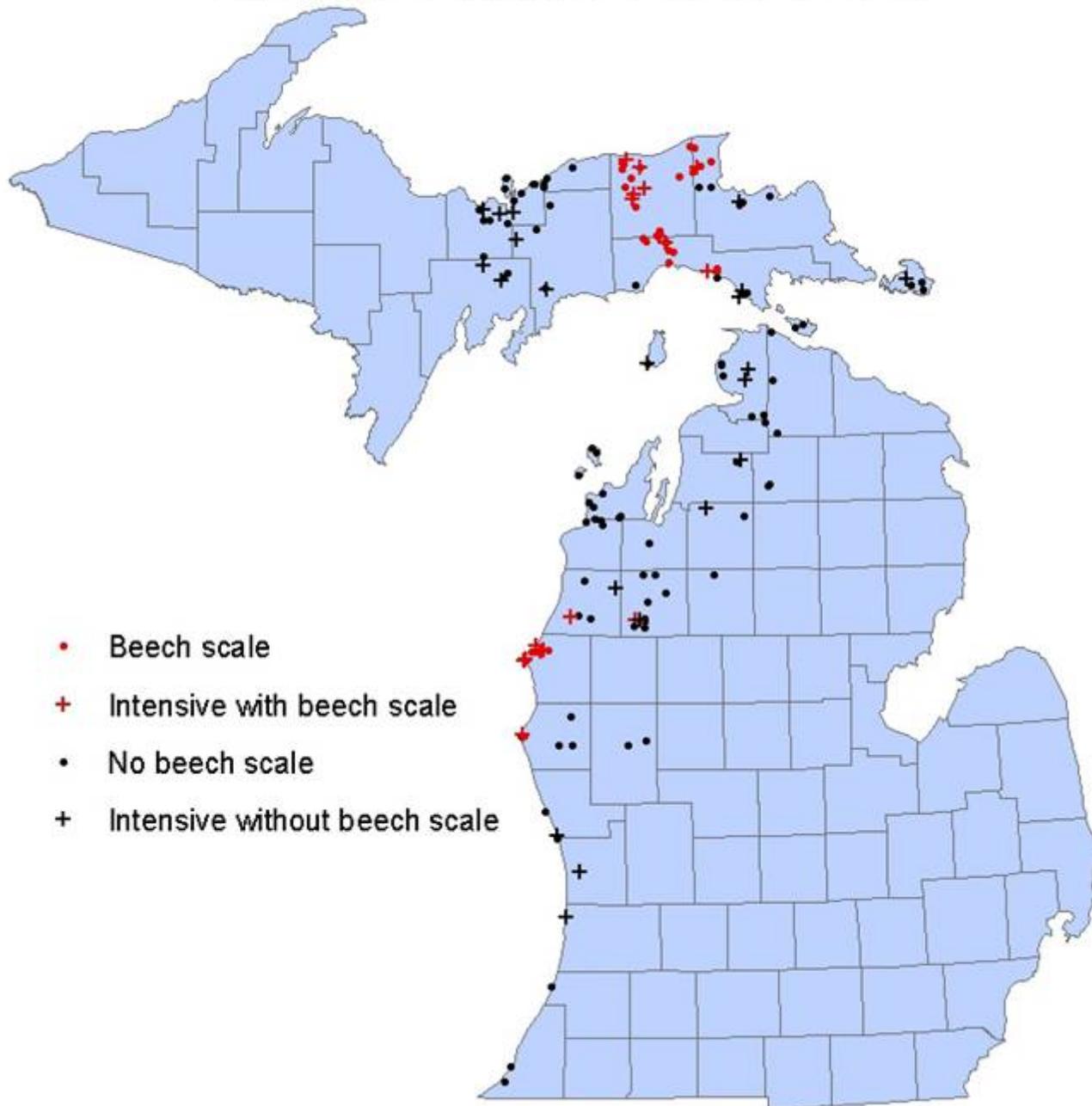


Michigan's Upper Peninsula. Beech Bark Disease  
Killing Front a few miles from the southern shore of  
Lake Superior.

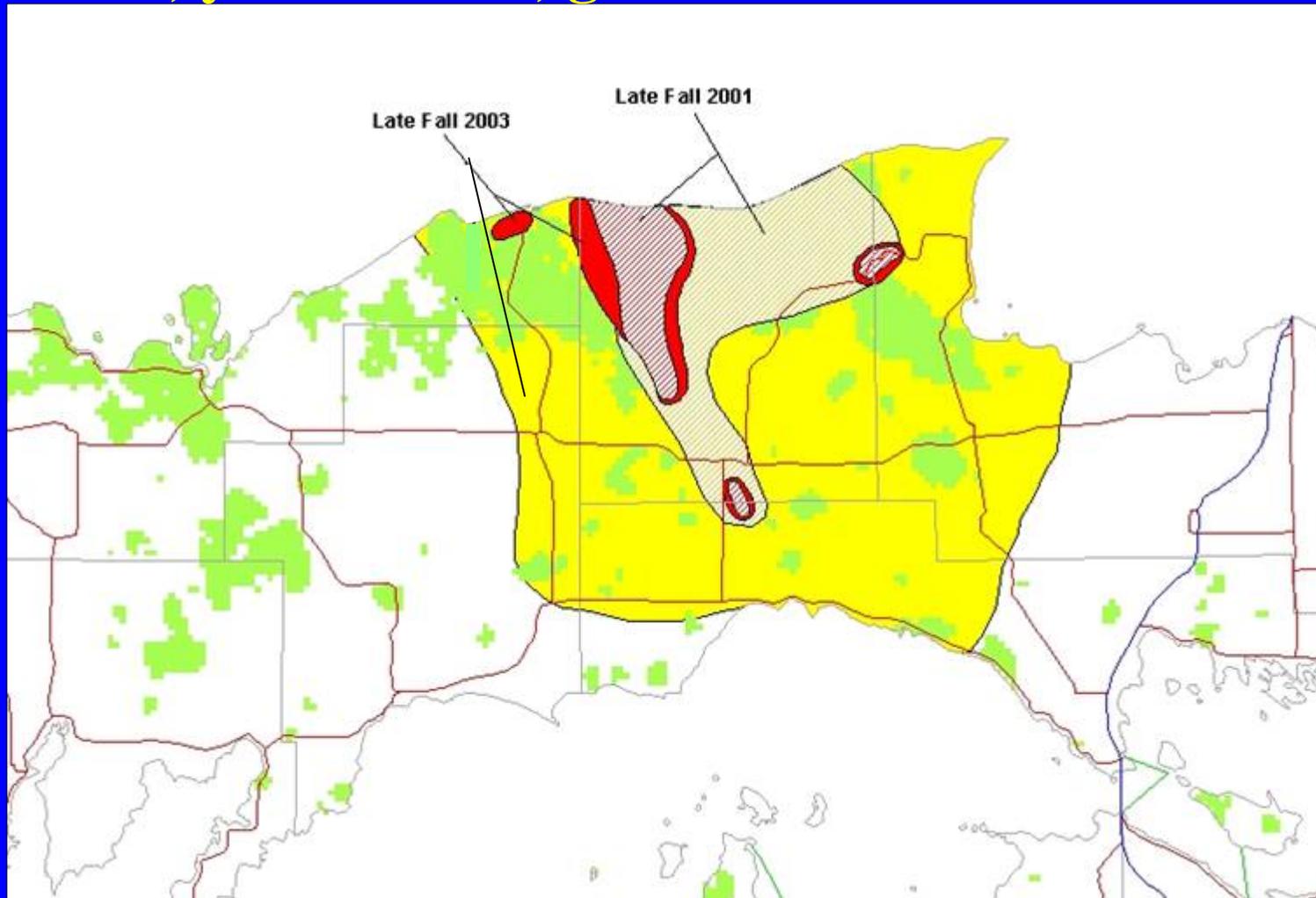


Pretty Lakes 2003

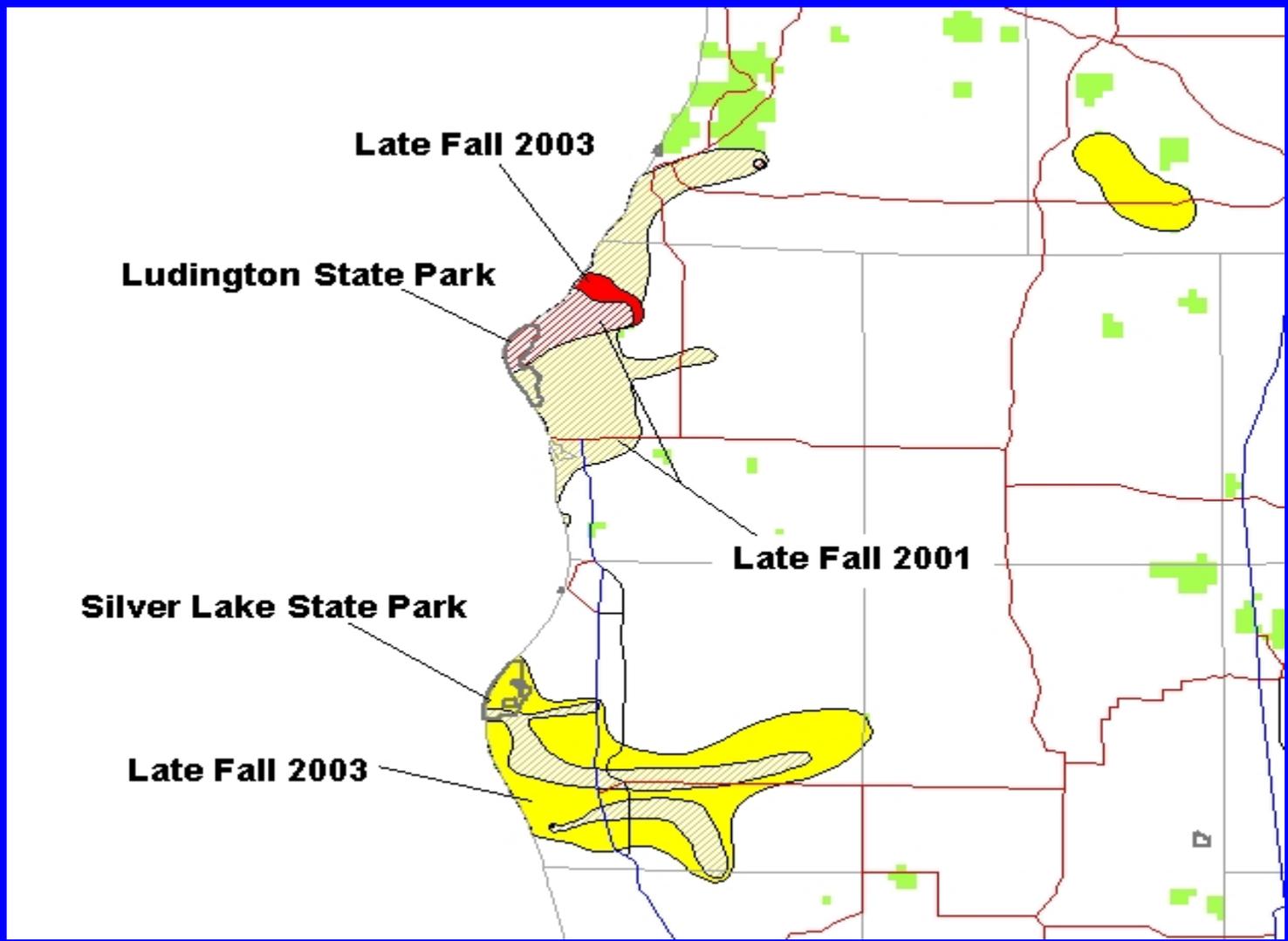
## Beech Bark Disease Plot Locations



# BBD in Michigan's UP in 2001/2003: red-killing front, yellow-scale, green-beech concentrations



# BBD MICHIGAN'S LP



# OAK WILT

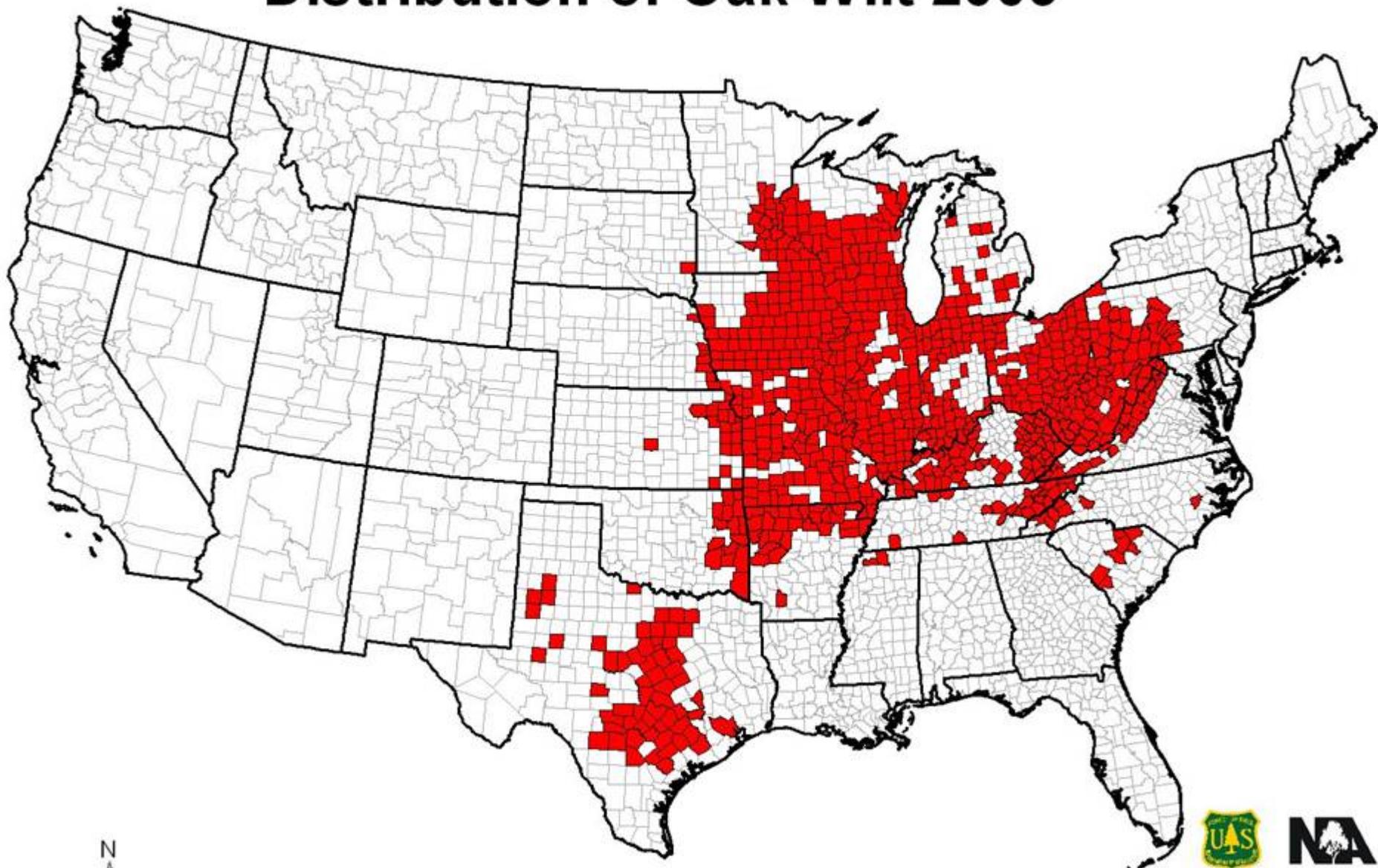
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## HOSTS

*Quercus* spp. Especially red oaks



# Distribution of Oak Wilt 203



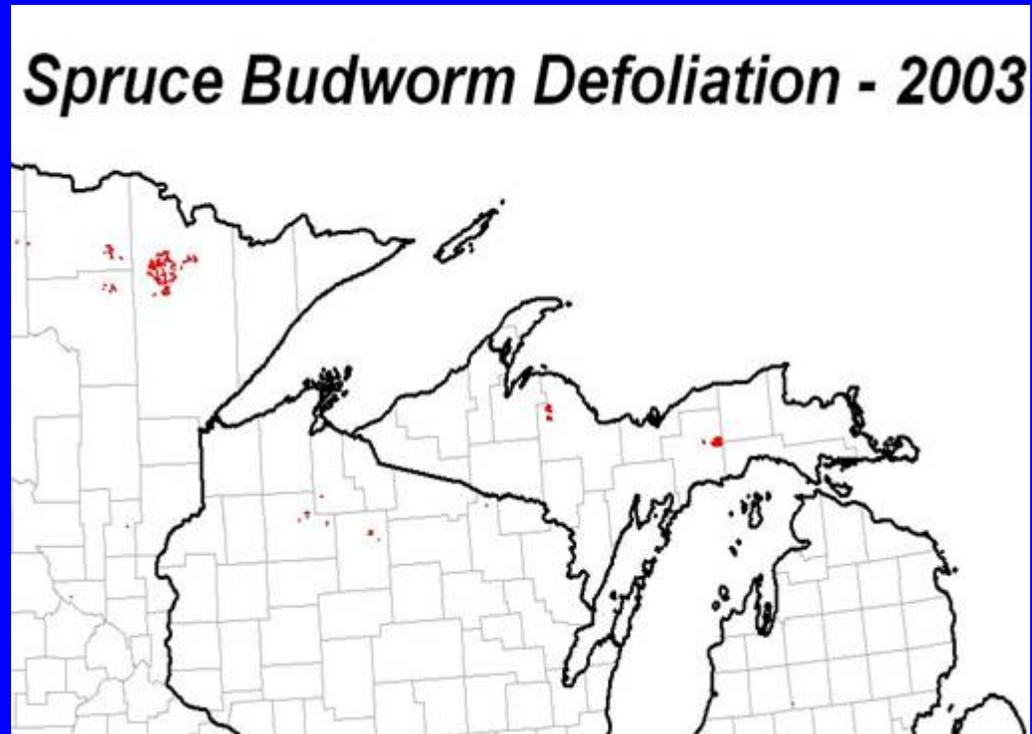
400 0 400 800 Miles



Map Produced by:  
Q. Chavez 1/04

# Spruce Budworm

49<sup>th</sup> consecutive  
year of detectable  
defoliation in  
MN: 81,100 ac. in  
MN and MI

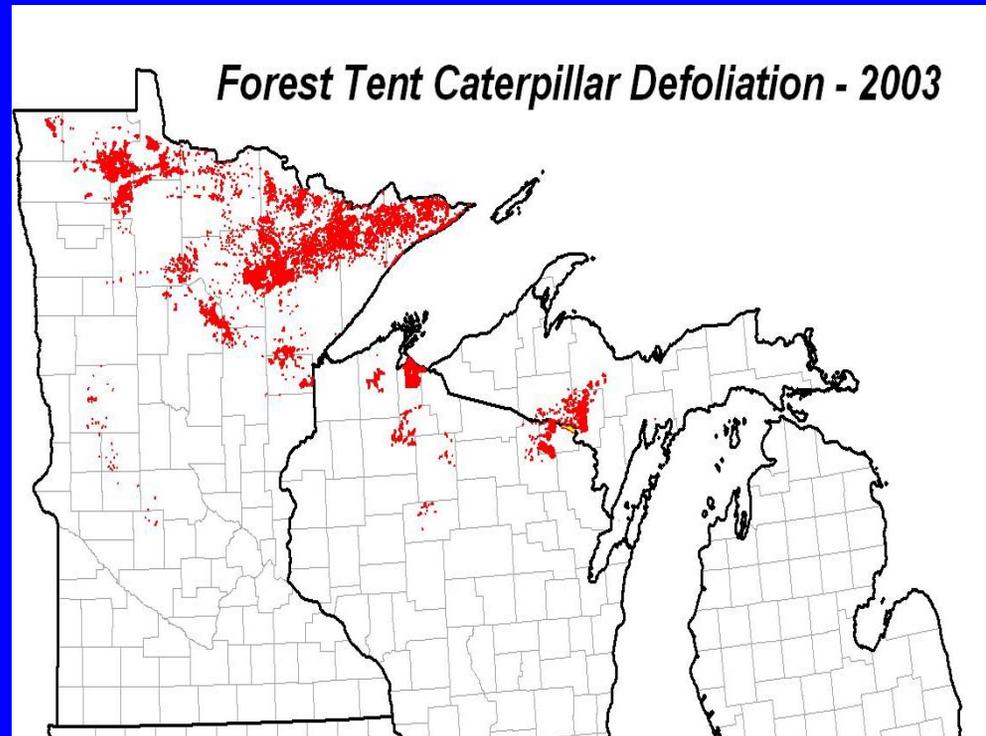


# Forest Tent Caterpillar

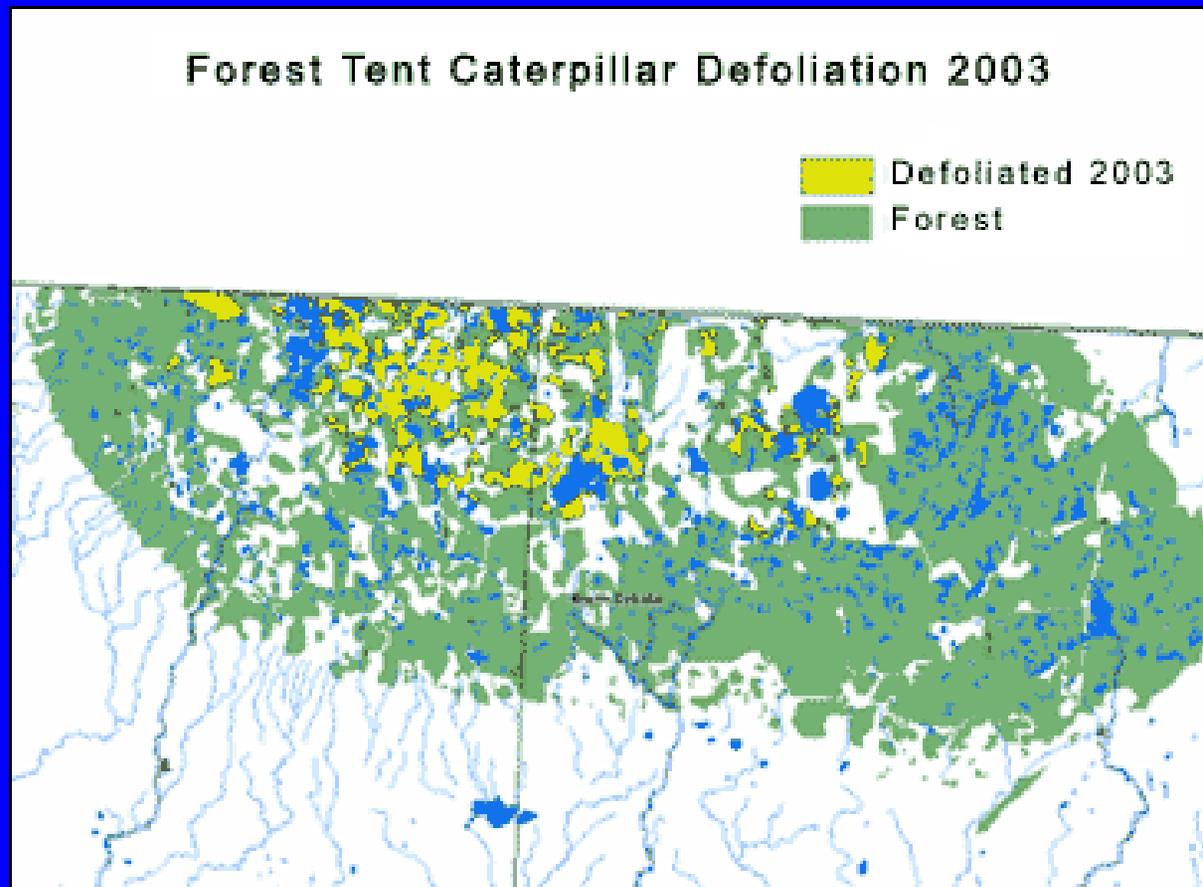
5th year of defoliation in  
the NC Region:

aspen/birch (oak, ash,  
maple, elm, basswood)

> 2.6 million ac.



# Forest tent caterpillar in Turtle Mts. ND – 17,800 ac.



# Banded elm bark beetle, *Scolytus schevyrewi* - KS, NE, SD

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## HOSTS

- **Native range:** *Ulmus* spp.
- **U.S.:** Elm,  
Russian olive



# PINE SHOOT BLIGHT

## *Sphaeropsis sapinea*

Serious Problem in:

- **Lake States:** Jack pine, red pine plantations
- **Nebraska, South and North Dakota:** ponderosa, Austrian, Scotch pine: shelterbelts, ornamentals, windbreaks



**Especially in two story stands**





# Bark Beetles

- **Mt. pine beetle:** 272,600 ponderosa killed in Black Hills, SD
- **Pine engraver beetle:** 21,700 ponderosa and Jack pine killed in NE and SD



Northeastern Area

# USDA Forest Service St. Paul Field Office

[www.na.fs.fed.us/spfo](http://www.na.fs.fed.us/spfo)