

Status of Brown Marmorated Stink Bug in the Midwest

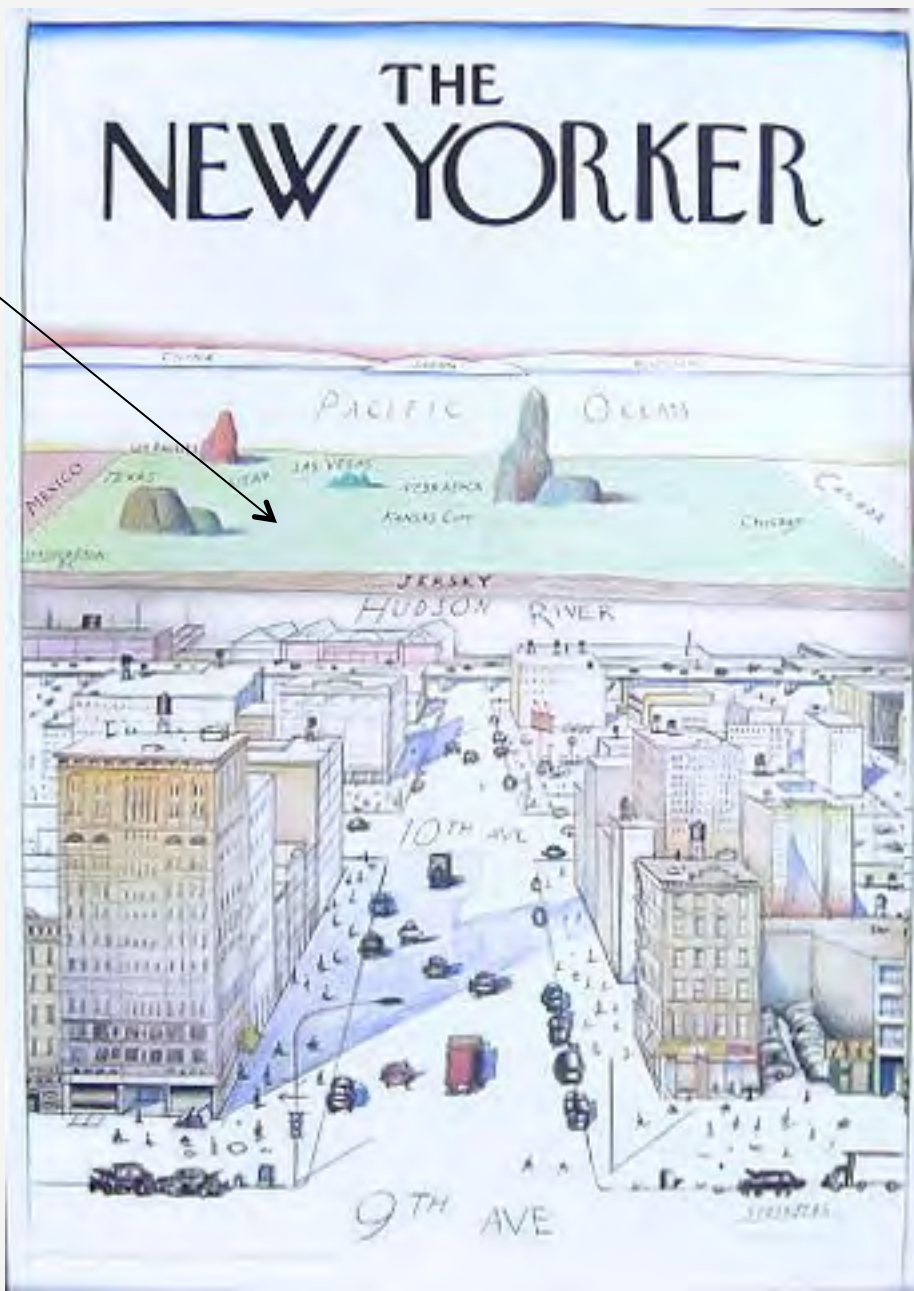


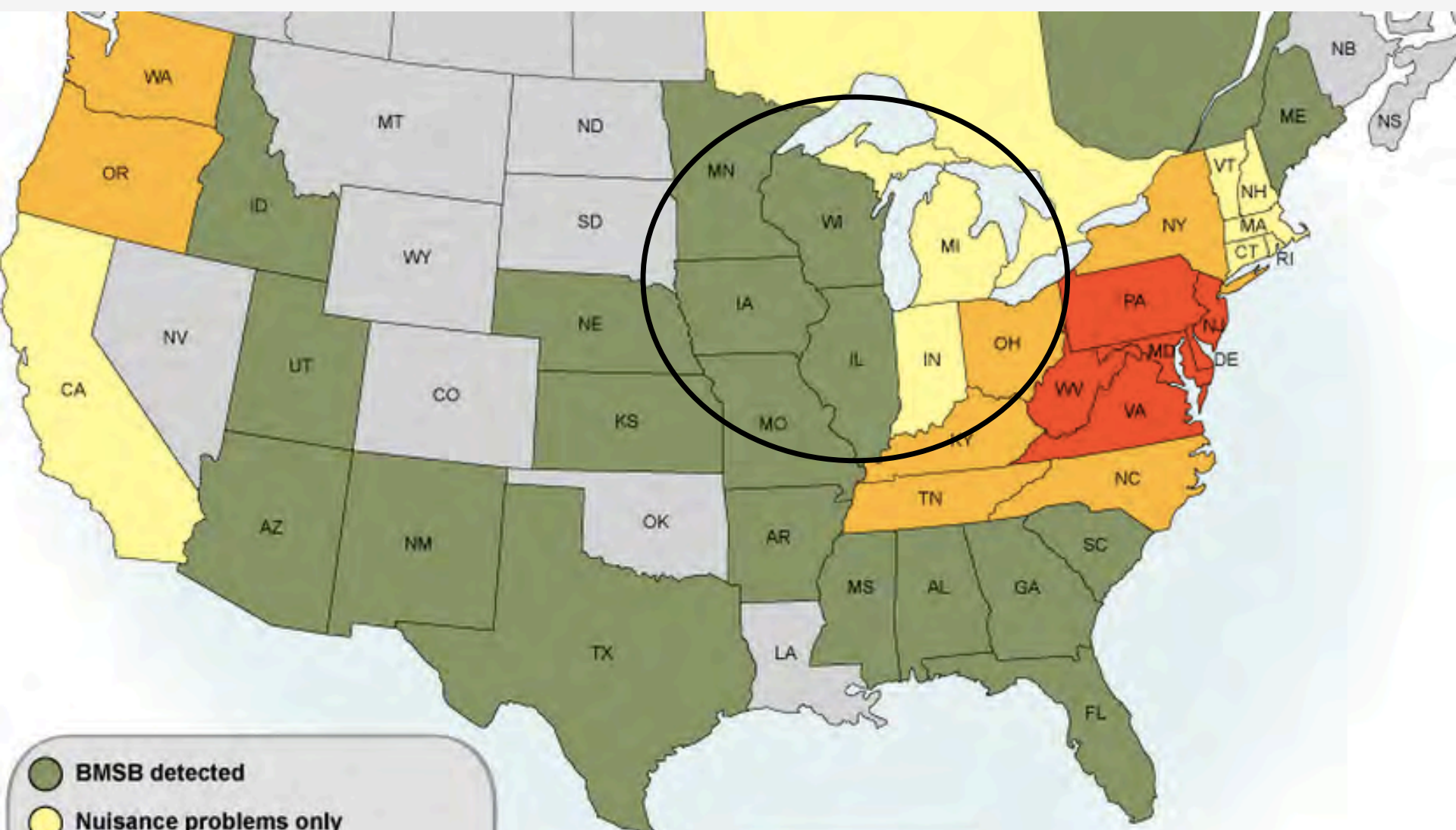
Celeste Welty
December 2014



THE OHIO STATE UNIVERSITY

The Midwest



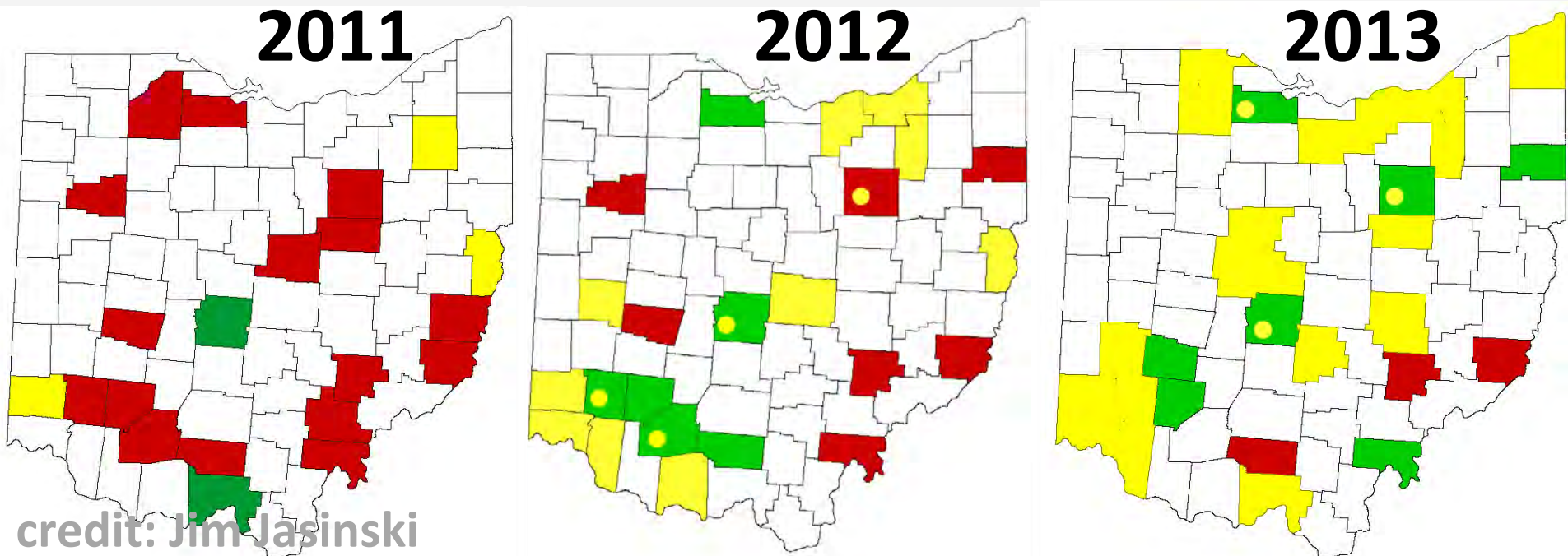


- BMSB detected**
- Nuisance problems only**
- Agricultural and nuisance problems**
- Severe agricultural and nuisance problems reported**



BMSB tracking in Ohio

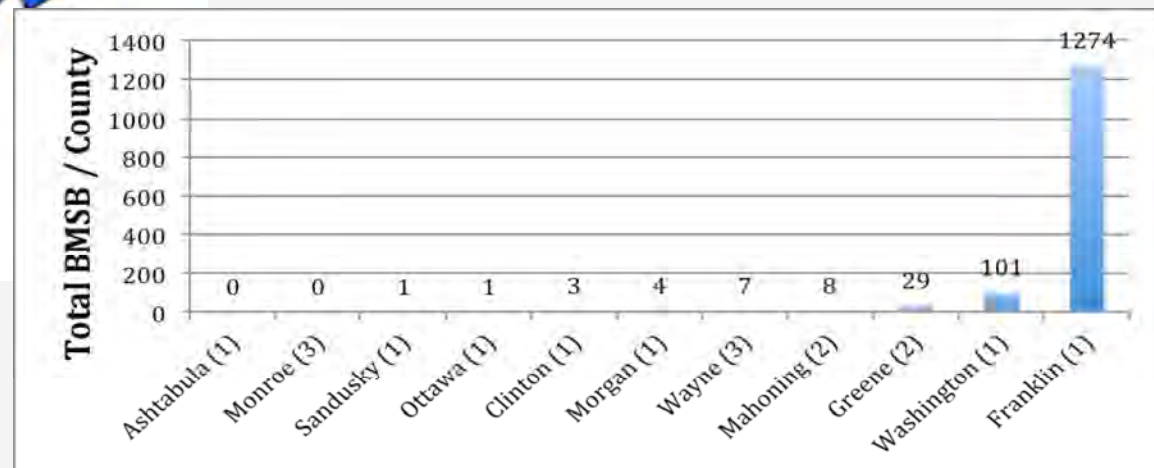
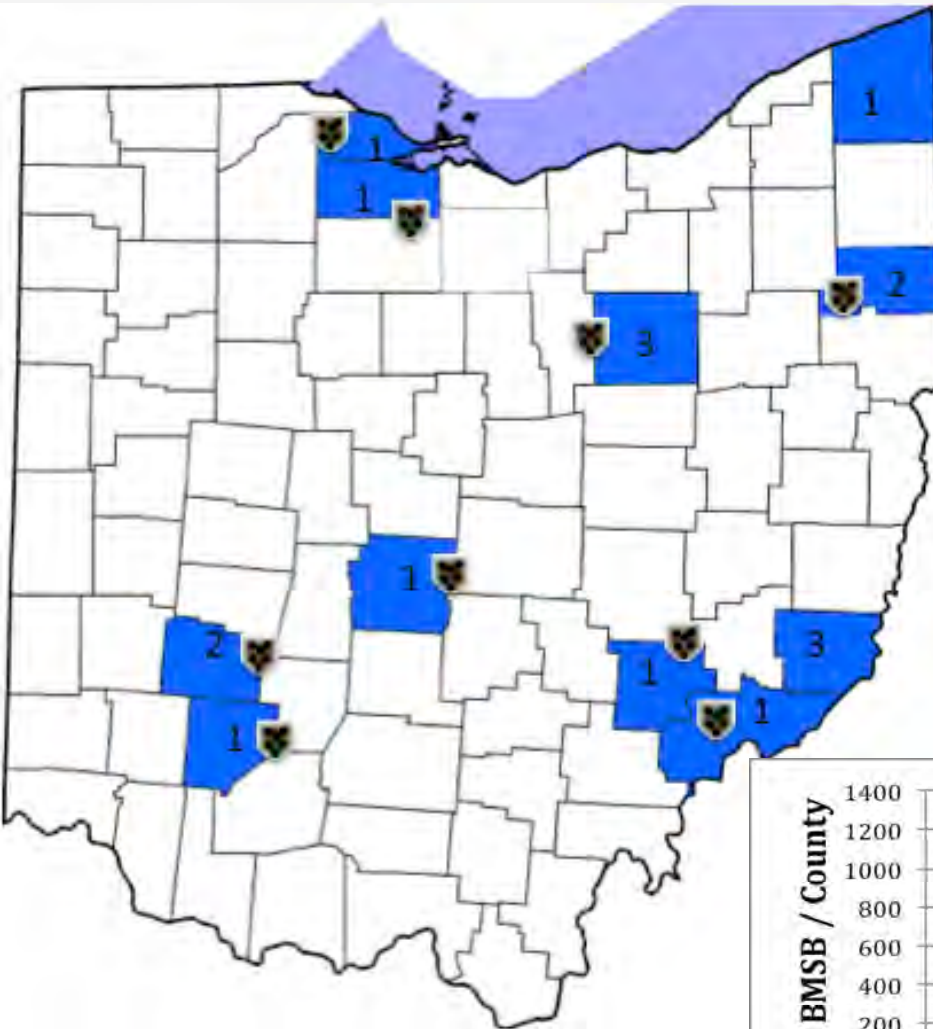
- Red: traps -
- Green: traps +
- Yellow: citizen report +



Ohio 2014

Counties in the 2014 Brown Marmorated Stink Bug trap network

- Numbers within county indicate sites
- Bug symbol indicates where BMSB were trapped (positive in 9 of 11 counties)



Total trap catch in 2014 by county (#)

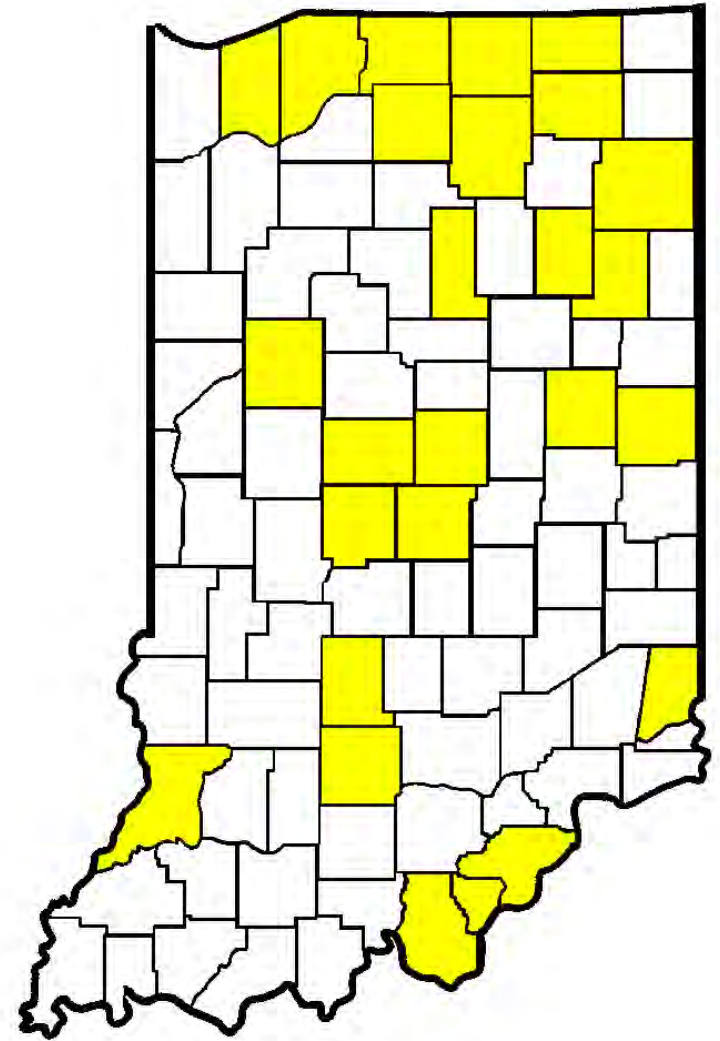
Ohio: crop damage



- **Soybean, field corn**
- **Apple, peach, raspberry**
- **Sweet corn**

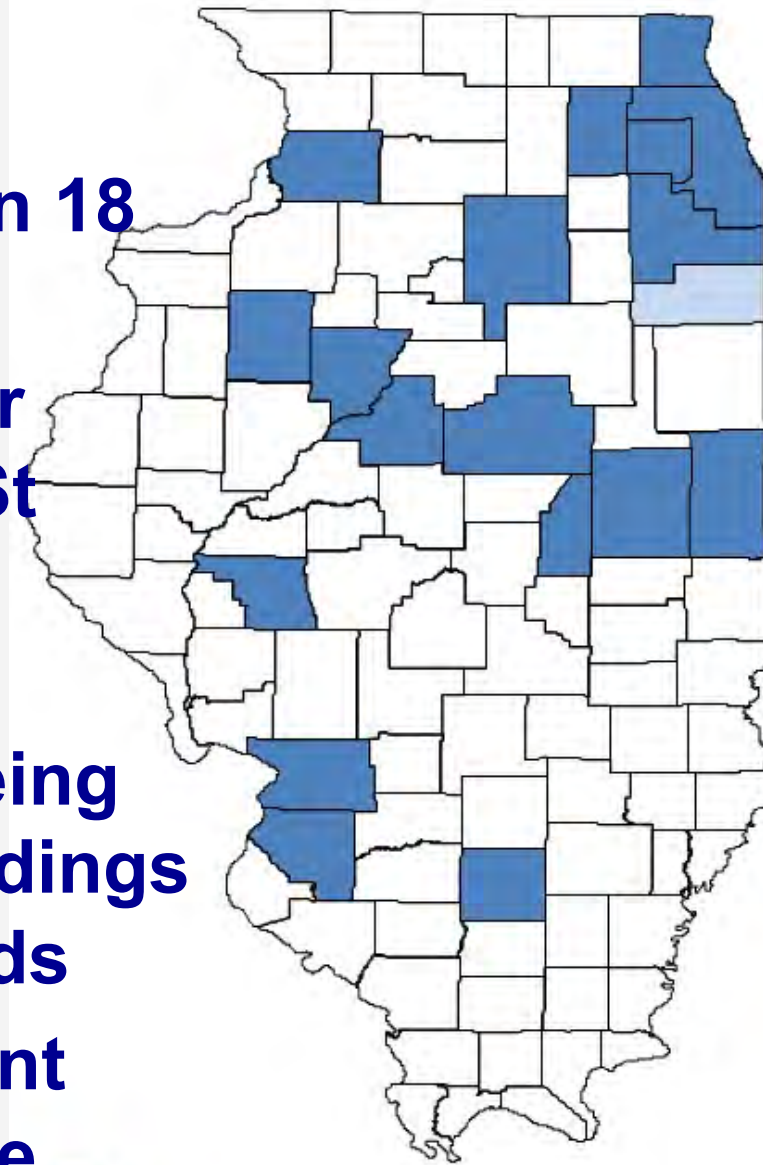
Indiana

- **Confirmed in 26 of 92 counties**
- **Greatest concentration in north**
- **Increasing damage to crops in last 2 years**
- **Levels still quite low**
- **Sweet corn, soybeans, tomato, peppers, apples**



Illinois

- Confirmed in 18 counties
- Highest near Chicago & St Louis
- Some fruit growers seeing bugs in buildings near orchards
- No significant crop damage reported



Brown Marmorated Stink Bug Confirmations

County	Year Confirmed
Cook	2010
Kane	2011
McLean	2011
Champaign	2011
Du Page	2012
Vermilion	2012
Whiteside	2012
Madison	2012
Morgan	2012
St. Clair	2013
Tazewell	2013
LaSalle	2013
Piatt	2013
Jefferson	2013
Will	2013
Kankakee*	2013
Lake	2014
Knox	2014
Peoria	2014

* suspected, but unconfirmed

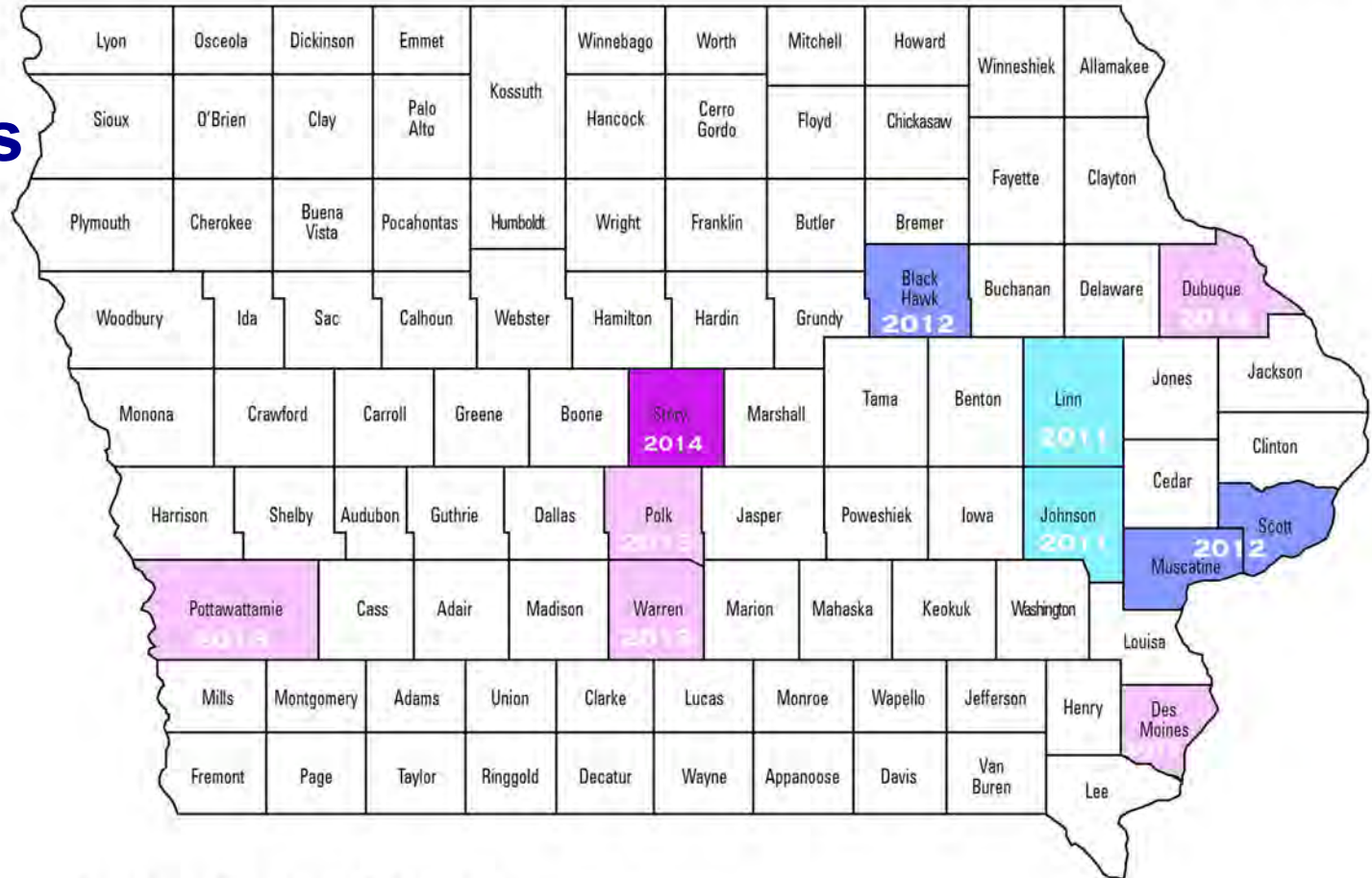


Kelly Estes, State Survey Coordinator
Illinois Cooperative Agricultural Pest Survey Program

Iowa

BROWN MARMORATED STINK BUG REPORTS IN IOWA AS OF 12/31/13

- Since 2011
- Specimens from 11 counties
- 1 new county in winter 2014
- All from buildings



IOWA STATE UNIVERSITY
Extension and Outreach

credit:
Donald Lewis

Michigan

- **Primarily a nuisance pest**
- **Damage in a few peach orchards**
- **Abundant in some soybean fields**
- **Confirmed detections in 20 counties**

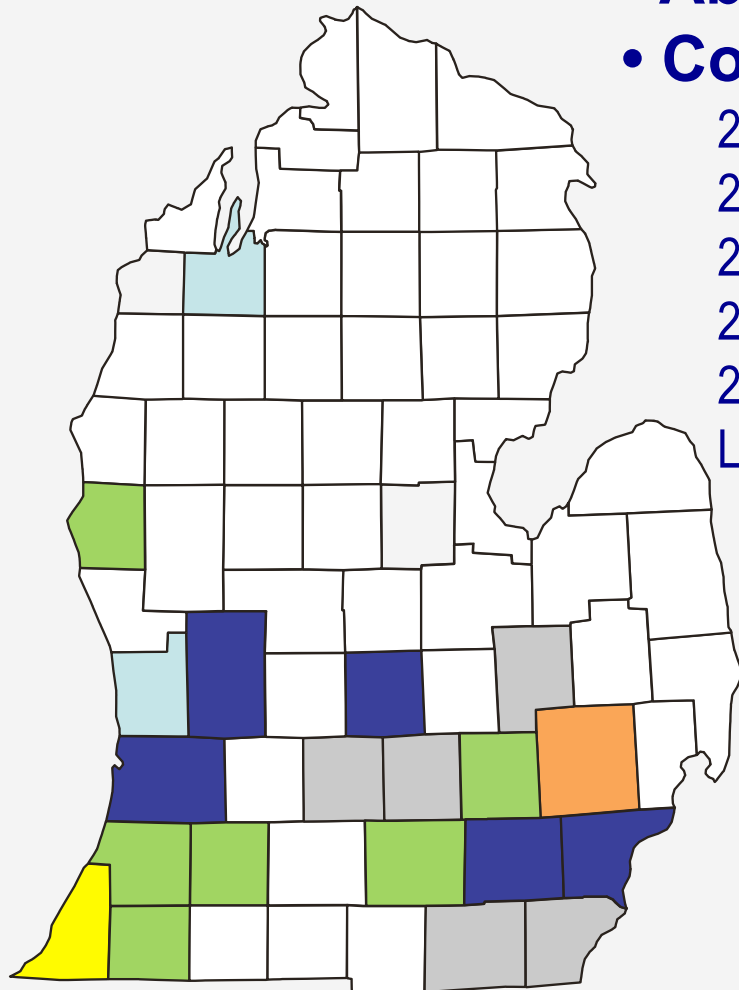
2010: Berrien

2011: Eaton, Genesee, Monroe, Lenawee, Ingham

2012: Allegan, Clinton, Kent, Oakland, Washtenaw, Wayne

2013: Grand Traverse, Ottawa

2014: Jackson, Oceana, Cass, Kalamazoo, VanBuren, Livingston



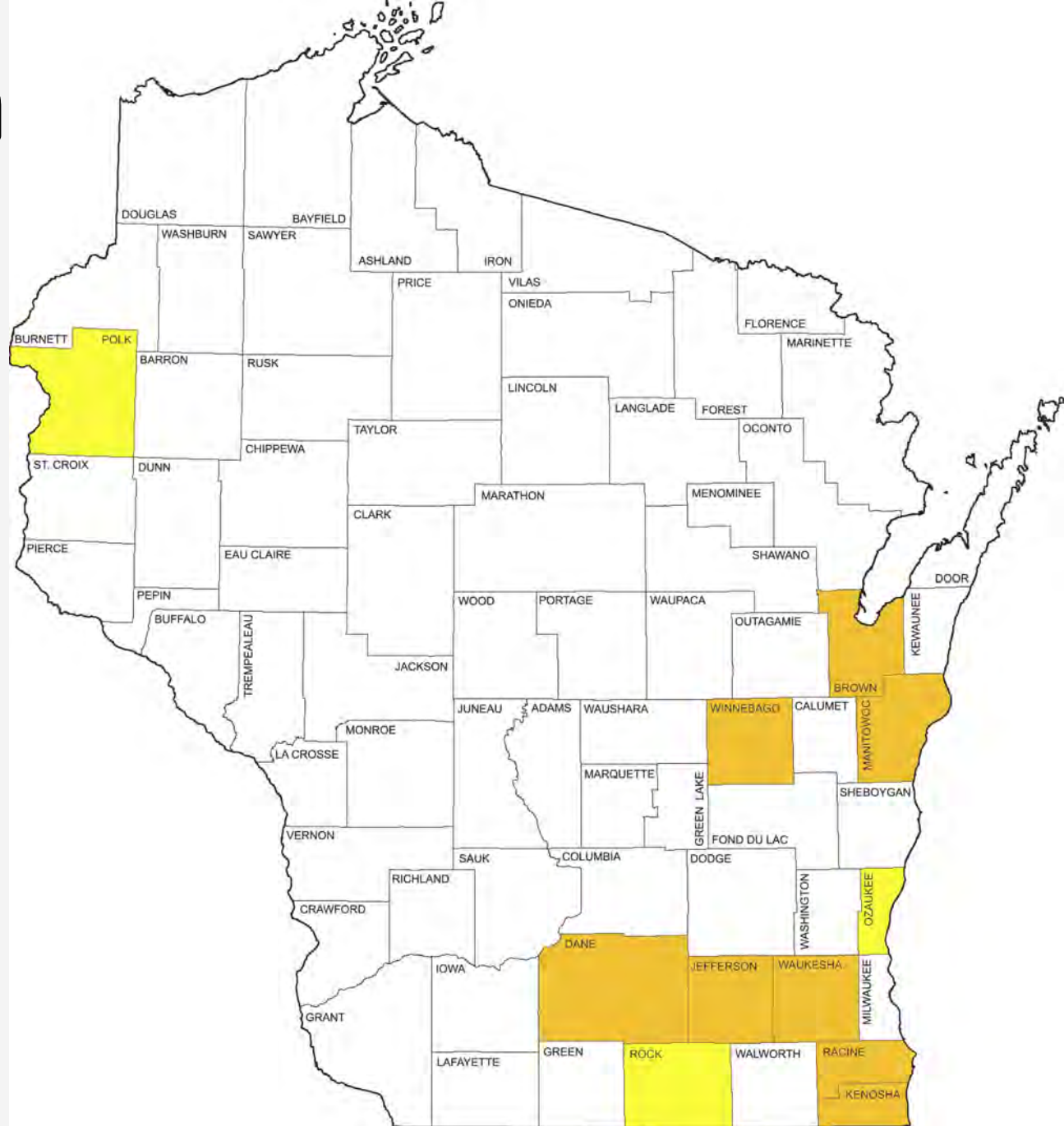
2010 2011 2012 2013 2014



credit:
Larry Gut

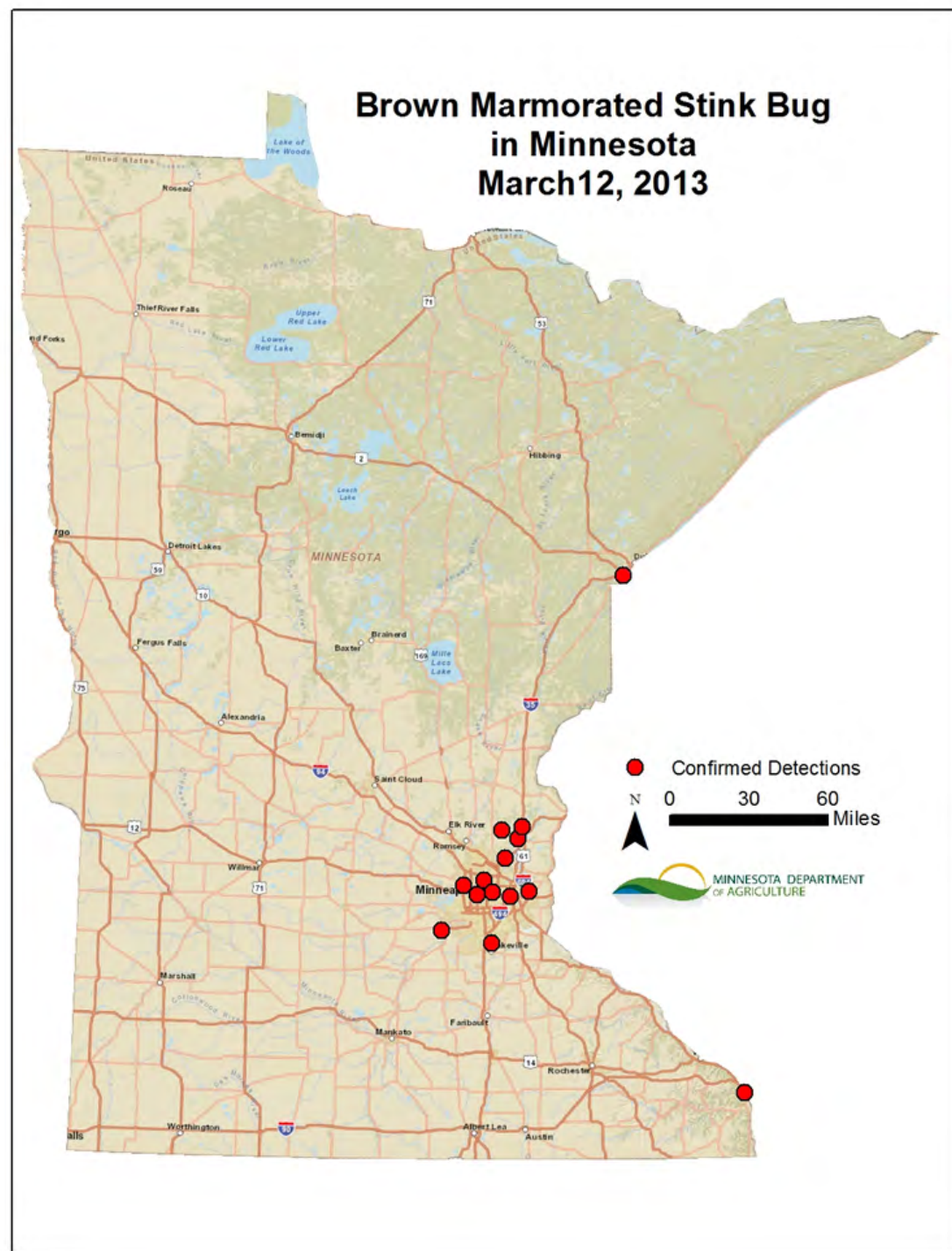
Wisconsin

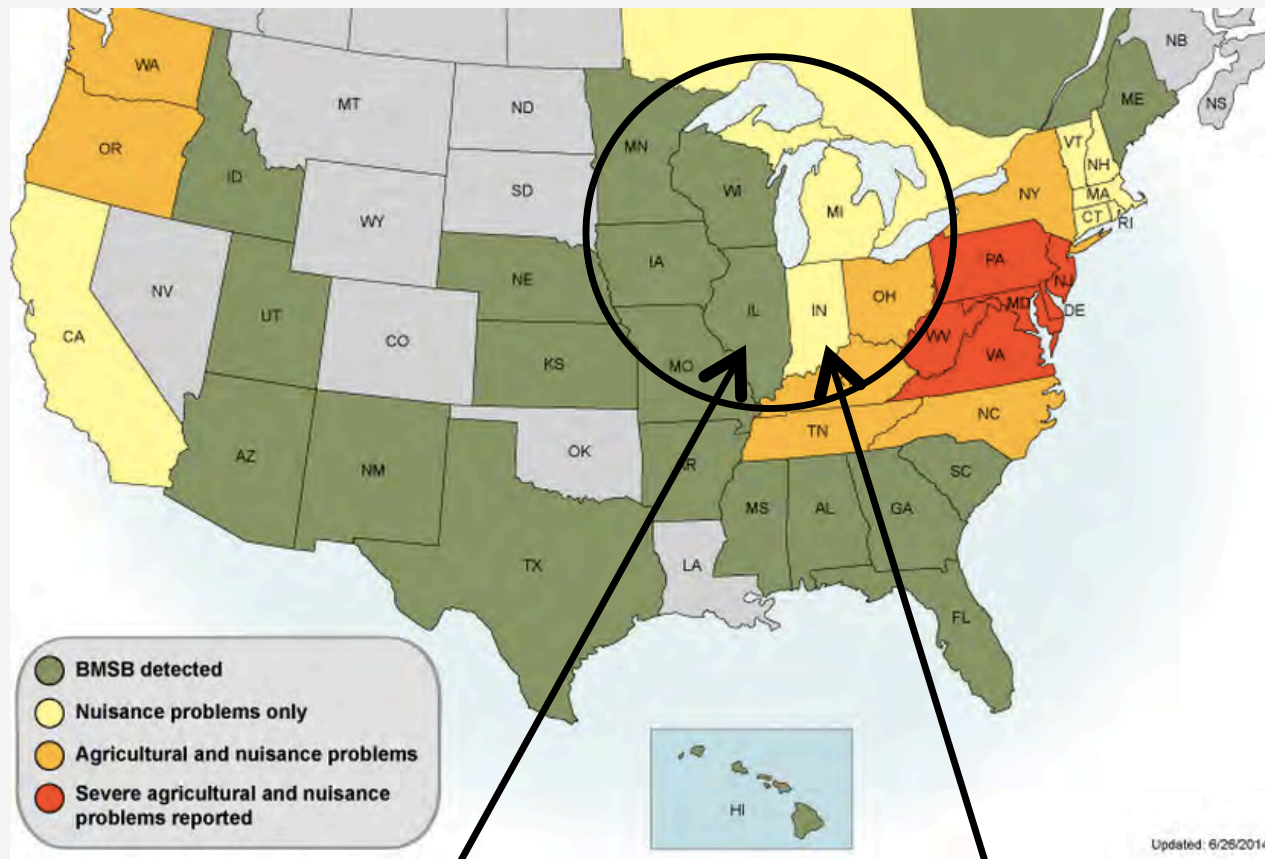
- **Confirmed in 8 counties (orange)**
- **Suspected in 3 counties (yellow)**
- **Sightings sparse**
- **No crop damage reported**



Minnesota

- Since 2010
- In 8 counties
- Most reports: 1-2 adults in structures
- One report 2013 & 2014 of nymphs in urban area
- No detection in agriculture





**Change Illinois to
nuisance problems**

**Change Indiana
to ag problems**