

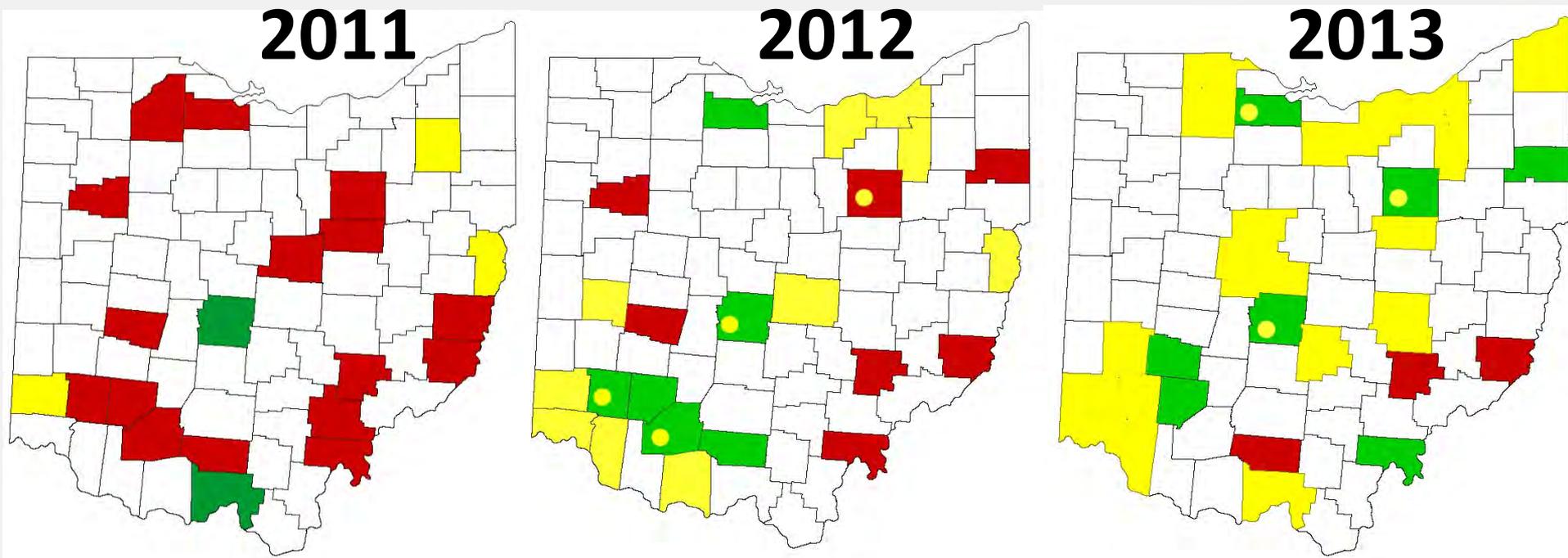
Status of Brown Marmorated Stink Bug in the Midwest



Matt Grieshop
December 2015

BMSB tracking in Ohio

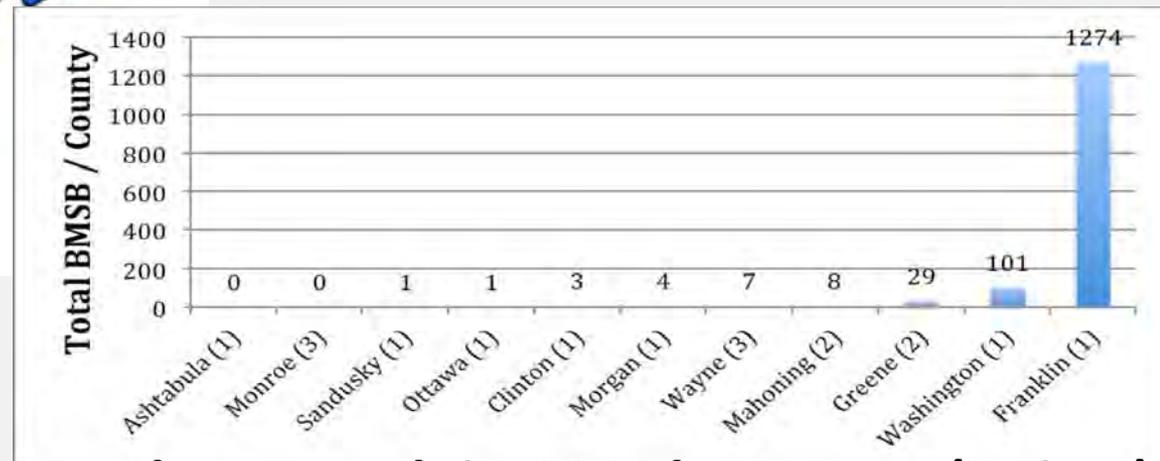
- Red: traps -
- Green: traps +
- Yellow: citizen report +



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)



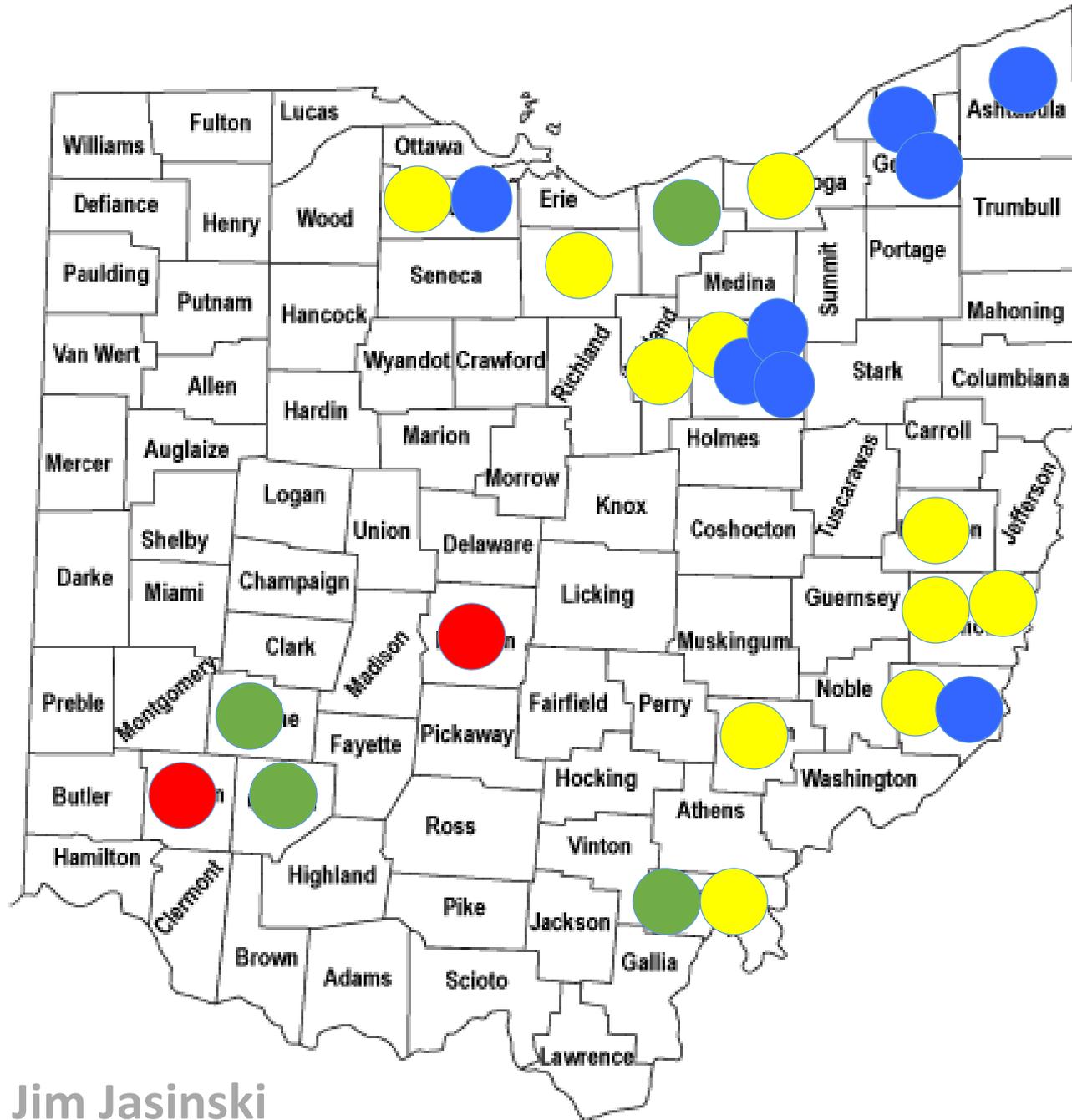
Total trap catch in 2014 by county (# sites)

BMSB in Ohio, 2015

Pheromone traps in 17 of 88 counties, most in sweet corn or brambles

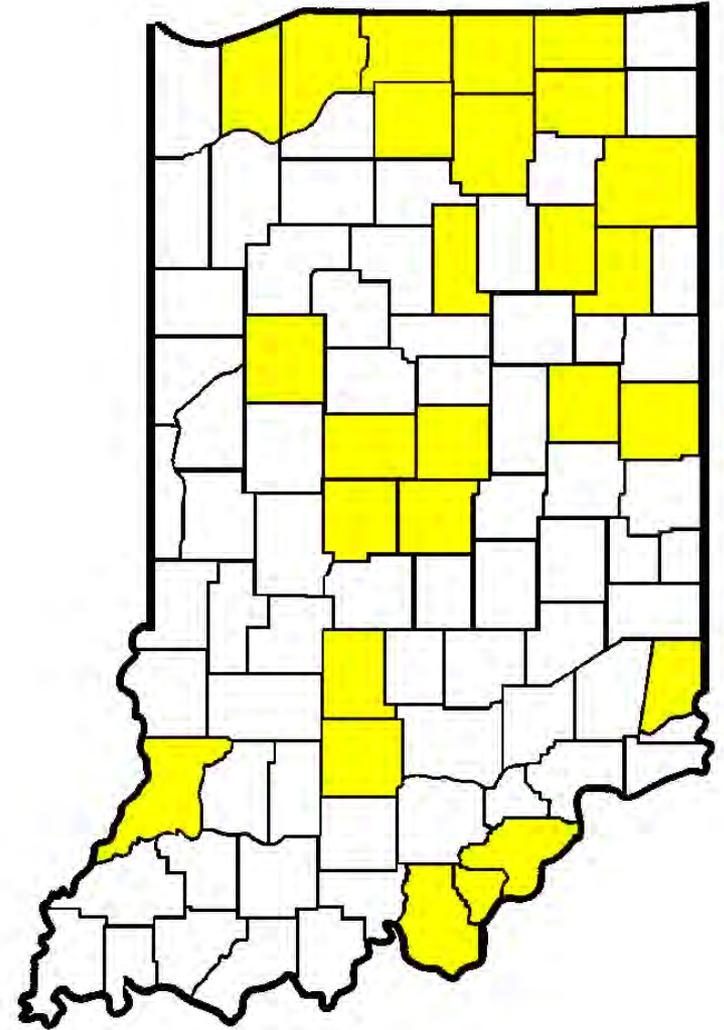
Seasonal total in traps:

- Red: >300
- Orange: 11-60
- Yellow: 1-3
- Blue: 0



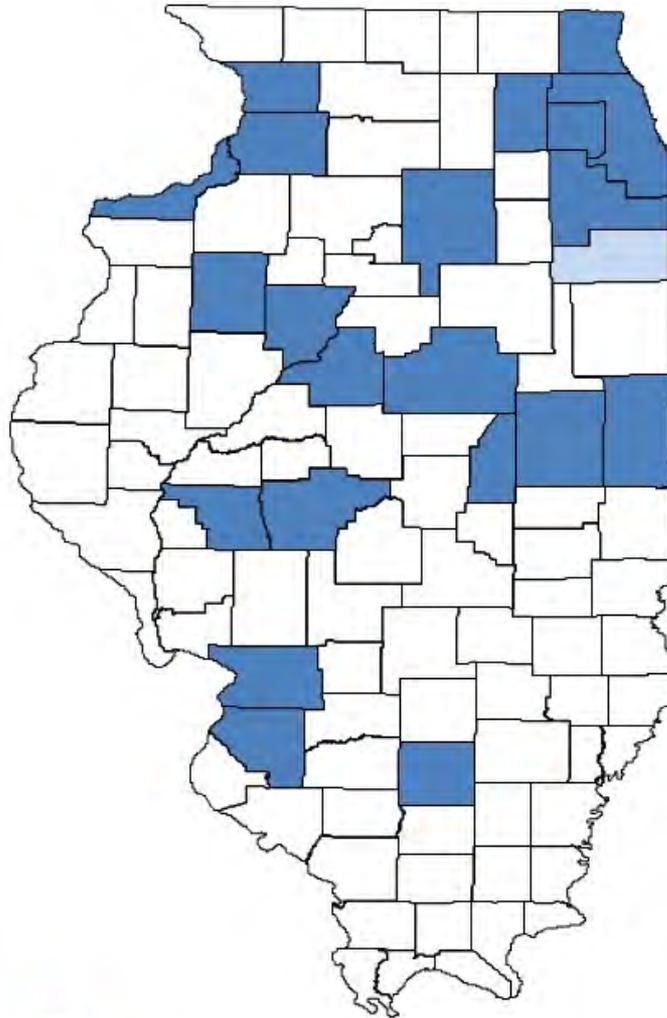
Indiana

- 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 19 counties (+1 from 2014)
- 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
Rock Island	2014
Sangamon	2015

* suspected, but unconfirmed

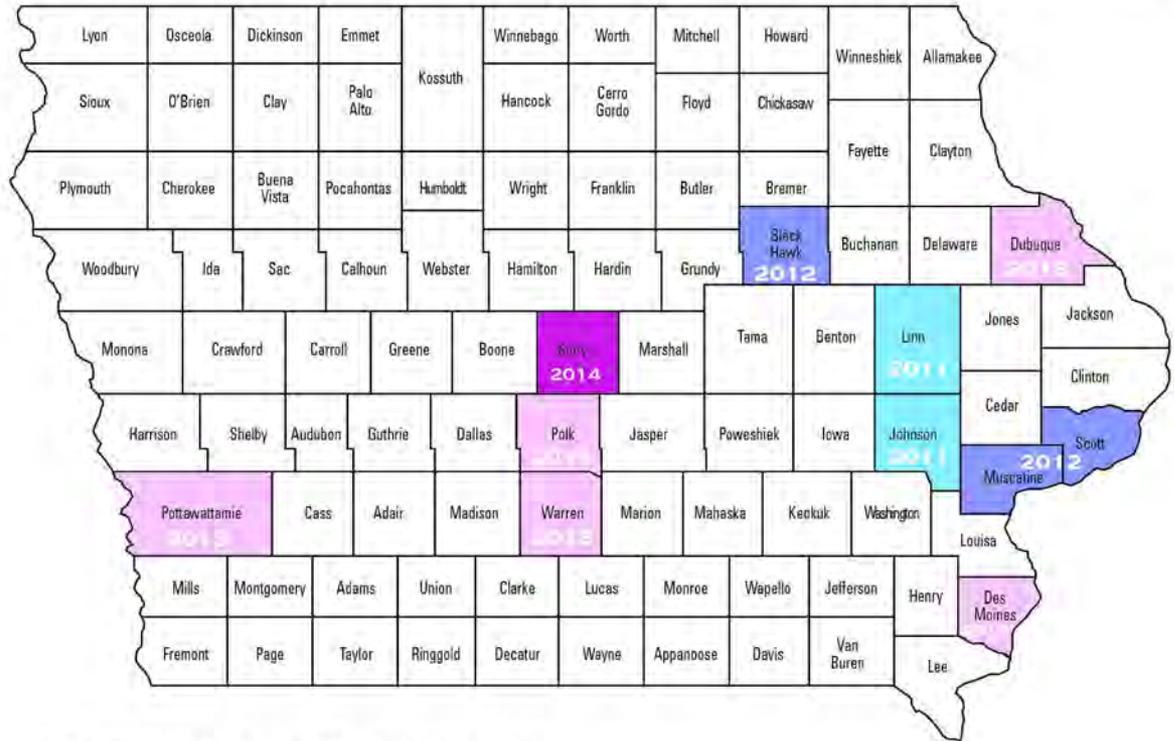


Kelly Estes, State Survey Coordinator
Illinois Cooperative Agricultural Pest Survey Program

Iowa

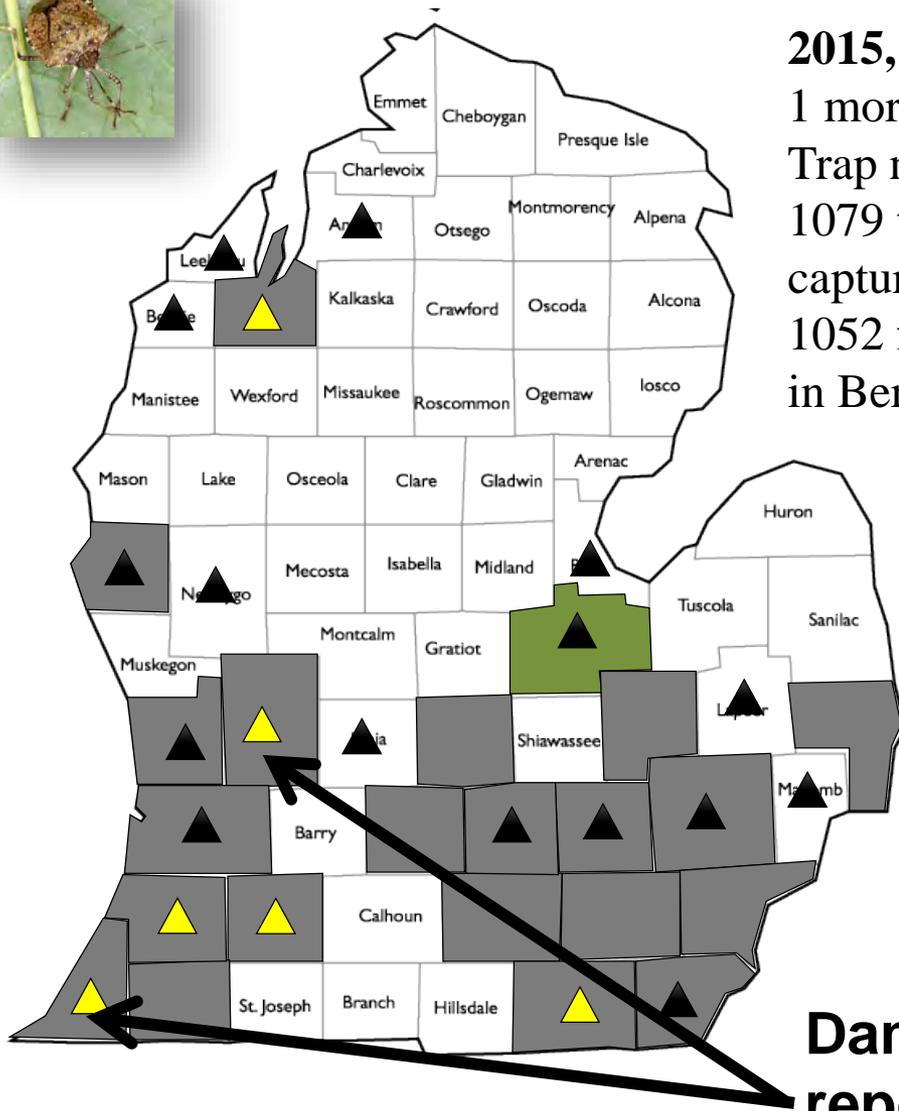
- Since 2011
- Specimens from 11 counties
- 1 new county in winter 2014
- All from buildings

BROWN MARMORATED STINK BUG REPORTS IN IOWA AS OF NOVEMBER, 2015



IOWA STATE UNIVERSITY
Extension and Outreach

credit:
Donald Lewis



- BMSB reported
- No BMSB reported
- ▲ County in trapping network

2015, before 9/25:
1 more county;
Trap network cont.
1079 total BMSB
captured,
1052 from 5 traps
in Berrien Co.

1. Berrien – 2010
2. Eaton – 2011
3. Genesee – 2011
4. Ingham – 2011
5. Lenawee – 2011
6. Monroe – 2011
7. Washtenaw – 2012
8. Wayne – 2012
9. Clinton – 2012
10. Kent – 2012
11. Oakland – 2012
12. Allegan – 2012
13. Oceana – 2012
14. Ottawa – 2013
15. Grand Traverse – 2013
16. Jackson – 2014
17. Cass – 2014
18. Kalamazoo – 2014
19. Van Buren – 2014
20. Livingston – 2014
21. St. Clair – 2014
22. Saginaw - 2015

**Damage
reported in
Tree Fruit**

credit: L. Gut & J. Wilson

September 25, 2015

credit: L. Gut & J. Wilson

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Report sightings of brown marmorated stink bugs in your home or business

Report sightings of brown marmorated stink bugs to the Midwest Invasive Species Information Network in order to help Michigan fruit, vegetable and ornamental plant growers identify potential hotspots.

Posted on **September 25, 2015** by [Julianna Wilson](#), Michigan State University Extension, Department of Entomology

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Over the past few years, more and more reports have come in to [Michigan State University Extension](#) regarding the [brown marmorated stink bug](#) (BMSB) taking up residence in homes and businesses – especially in the fall. If you are not familiar with this bug, BMSB is a 0.5- by 0.625-inch shield-shaped insect that is a voracious eater of a wide variety of wild and cultivated plants. Also known by its scientific name, *Halyomorpha halys*, both BMSB adults and nymphs – the immature stages of the bug – feed on a number of important fruit, vegetable and ornamental crops and have become a major pest for growers in mid-Atlantic states where it was first detected in the late 1990s.

If you or someone you know has seen this pest in or on the outside of your home or place of business, we want to hear from you! Everyone who sees this pest is asked to report it on the [Midwest Invasive Species Information Network](#) (MISIN) website or mobile app. A few minutes of your time can be incredibly helpful



Adult brown marmorated stink bug – identifying features include the dark and light banding along the margin of the

Posted on Social Media



Julianna Wilson

September 25 · Edited ·  

Michigan friends: have you or someone you know seen the brown marmorated stink bug? It likes to get into houses and other manmade structures at this time of year especially. If so, please consider reporting it on the MISIN website or app - read more about how in the article linked here and please pass it on! Thanks!



Report sightings of brown marmorated stink bugs in your home or business

Report sightings of brown marmorated stink bugs to the Midwest Invasive Species Information Network in order...

MSUE.ANR.MSU.EDU

 Like  Comment  Share

Deb Biehler, Matter Dae, Becky Cain and 14 others like this.

121 shares

Sept 25: Michigan Master Gardeners Association posted link, 235 shares

Oct 19: WILX – 639 shares of the interview about an interview

credit: L. Gut & J. Wilson



“Viral”

- “Viral” within days – at peak, viewed by more than 100 people per minute.
- Traffic driven by social media (“shares” on Facebook)
- 90% accessed from mobile devices
- Average read time 4+ minutes
- 110,430 views as of October 15th
- On September 25th, 8 BMSB records total; as of today, more than 2300 records for Michigan.



credit: L. Gut & J. Wilson

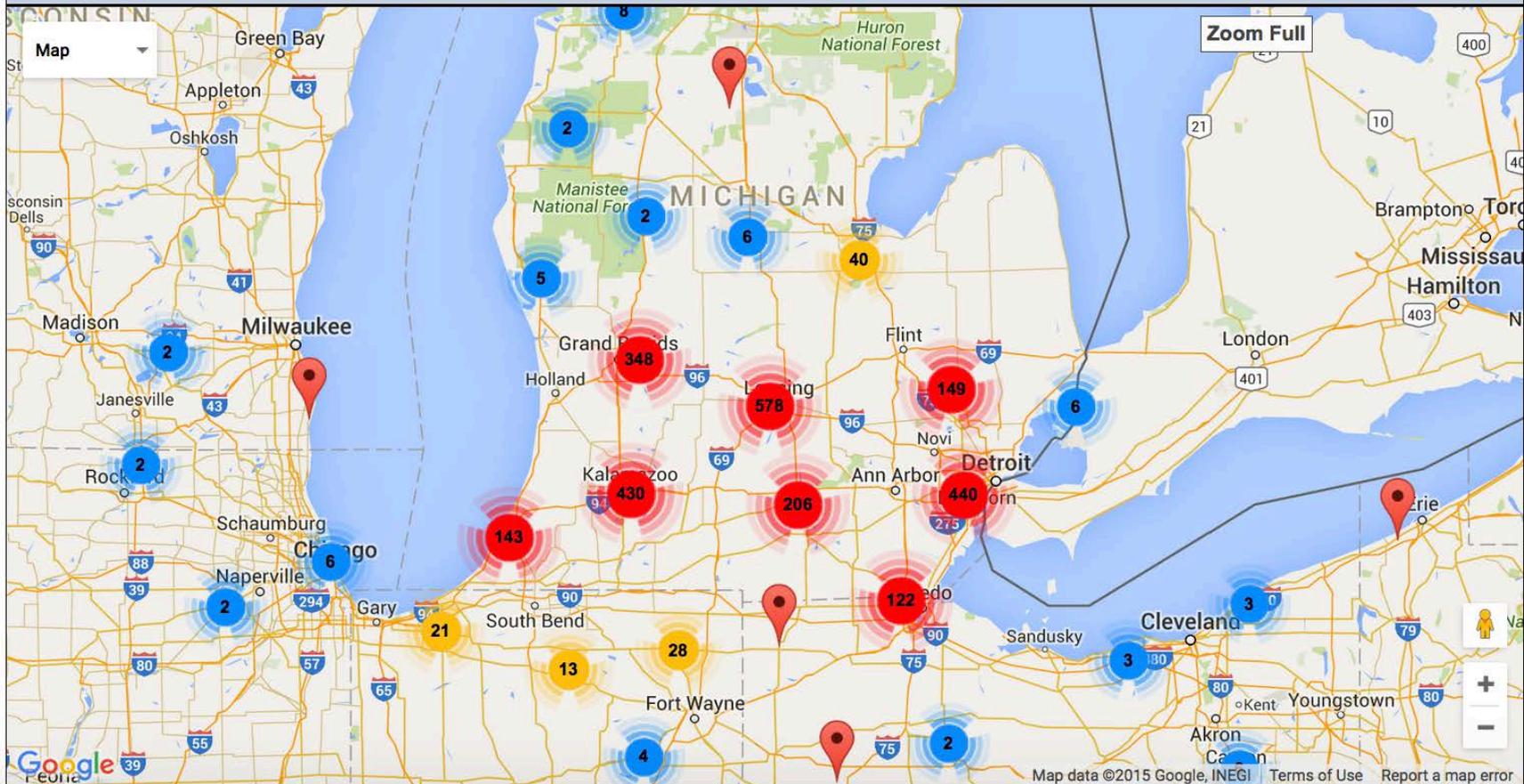
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- Search by Species
- Search by Geography
- Search by Project
- Search by Contributor

Reported Species Observations

✕
↻

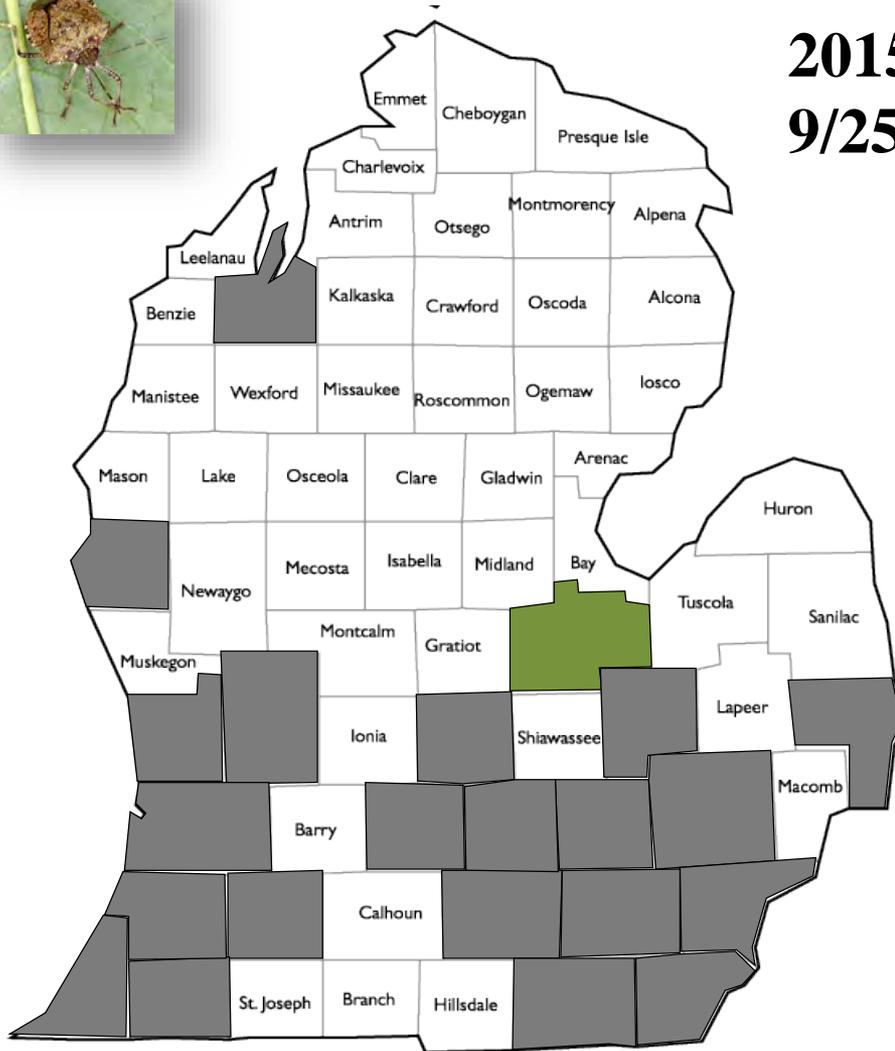


Messages:





2015, before 9/25:

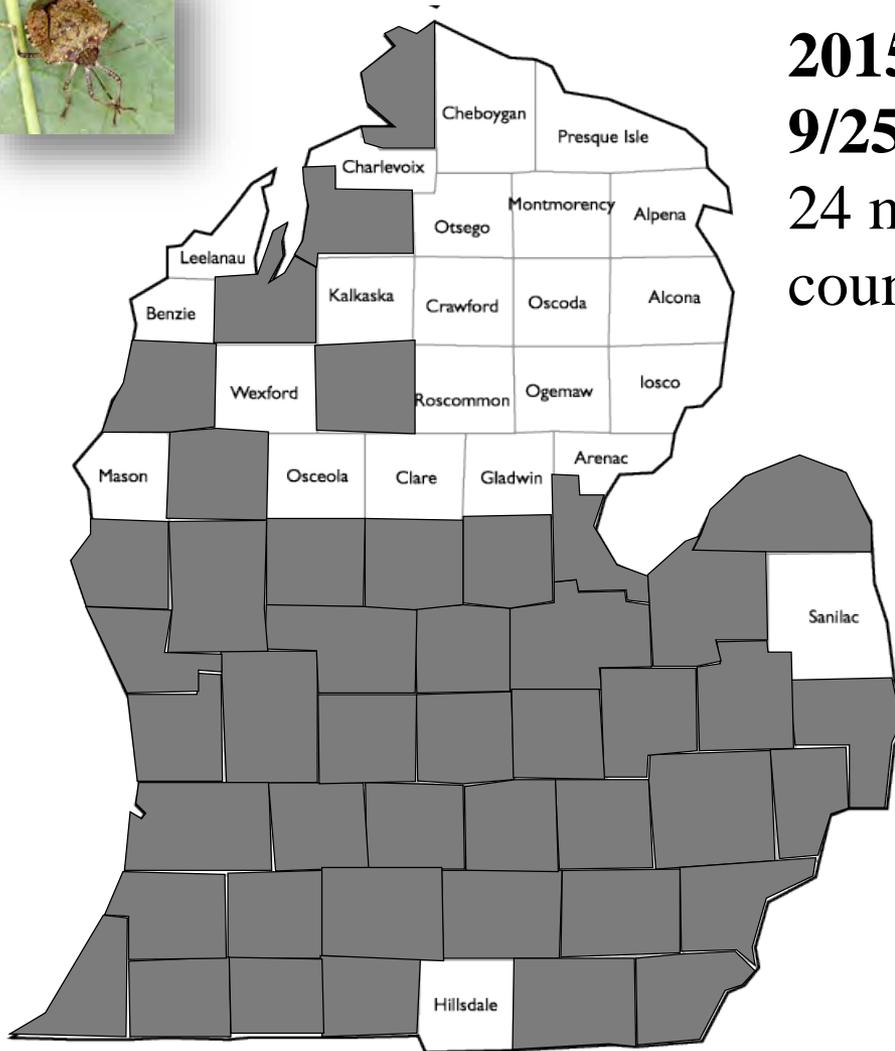


■ BMSB reported
□ No BMSB reported

1. Berrien – 2010
2. Eaton – 2011
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20. Livingston – 2014
21. St. Clair – 2014
22. Saginaw - 2015



**2015, since
9/25:
24 more
counties**



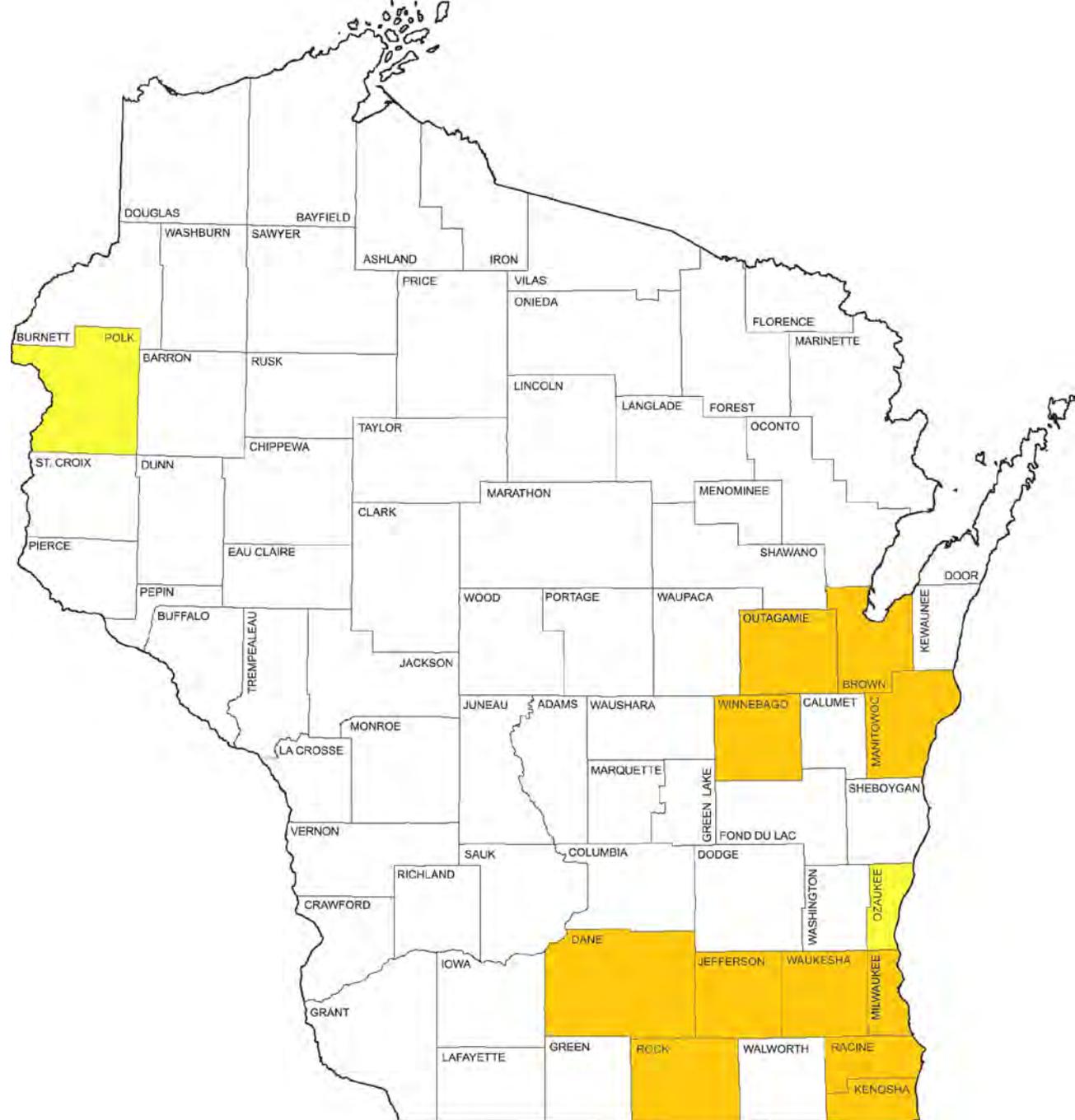
■ BMSB reported
□ No BMSB reported

23. Antrim
24. Barry
25. Bay
26. Branch
27. Calhoun
28. Emmet
29. Gratiot
30. Houghton (U.P.)
31. Huron
32. Ionia
33. Isabella
34. Lake
35. Lapeer
36. Macomb
37. Manistee
38. Mecosta
39. Midland
40. Missaukee
41. Montcalm
42. Muskegon
43. Newaygo
44. Shiawassee
45. St. Joseph
46. Tuscola

credit: L. Gut & J. Wilson

Wisconsin

- Confirmed in 11 counties (orange +3 from 2014)
- Suspected in 2 counties (yellow - 1 from 2014)
- Sightings sparse
- No crop damage reported



Halyomorpha halys in Minnesota



- 1st detection in 2010
- 13 Counties as of 2015
- Increasing frequency & magnitude of household invasions
- Wyoming, MN:
 - Reproducing population
 - Successful overwintering (2013-2015)
- No observations as plant pest

