

# Weekly Vineyard IPM Scouting Summary

## Report for the week of August 10, 2006

Site	Average Number of GBM in Traps (Average of 4 Traps Per Site)				Site	Percent Clusters Infested With GBM (25 Clusters Scouted at 4 Locations at Each Site)				Site	Avg. # JB's Per Vine (Out of 5 vines scouted at 4 Locations at Each Site)		
	7/20	7/27	8/3	8/10		7/20	7/27	8/3	8/10		7/27	8/3	8/10
Allegan	0	1	4	1	Allegan	4	0	3	6	Allegan	3.1	0.0	0.0
Berrien 1	3	1	7	2	Berrien 1	3	9	6	18	Berrien 1	4.8	0.1	0.2
Berrien 2	4	5	2	9	Berrien 2	9	3	4	9	Berrien 2	2.7	0.2	0.7
Van Buren	11	10	22	22	Van Buren	18	16	23	15	Van Buren	6.2	0.6	0.6
<b>Average</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>8</b>		<b>8.5</b>	<b>7.0</b>	<b>9.0</b>	<b>12.0</b>	<b>Average</b>	<b>4.2</b>	<b>0.2</b>	<b>0.4</b>
<b>2005 Average</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>4</b>		<b>9.2</b>	<b>8.4</b>	<b>7.9</b>	<b>16.0</b>	<b>2005 Average</b>	<b>1.0</b>	<b>1.0</b>	<b>0.2</b>
<b>2004 Average</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>4</b>		<b>2.8</b>	<b>3.9</b>	<b>2.8</b>	<b>5.9</b>	<b>2004 Average</b>	<b>0.5</b>	<b>1.2</b>	<b>0.3</b>

*Japanese beetle and feeding damage at the Van Buren site.*

**Grape Berry Moth Notes:**

\*\* GBM infested clusters continued to increase at three of the four sites again this week. While overall infestation decreased at the Van Buren site, infestation on the interior of the vineyard increased by 8%. This shows the importance of scouting the interior of your vineyards as well as the borders to make sure you're maintaining good control. For pictures of what GBM infested berries look like in different grape varieties [click here](#).



*Infested berry at the Berrien 1 site.*

**Leafhopper Notes:**

\*\* Grape leafhoppers have increased again at the Berrien 2 site. Make sure you keep an eye on leafhoppers so you aren't surprised as we approach harvest.

**Japanese Beetle Notes:**

\*\* Japanese beetles are still around in low numbers, but most likely won't cause any problems, except for isolated hot spots and on vulnerable young vines.

**Disease Notes:**

Powdery mildew stayed about the same at the Allegan site. Keep a close eye out for powdery mildew as it can increase in a hurry. Black rot berries continue to shrivel up and drop off the clusters. Make notes on where black rot was bad this year so you can increase your

**Disease Level Rankings: None, Trace, Low, Moderate, High, Very High**

Farm	Variety	Black Rot	Botrytis Bunch Rot	Phomopsis	Powdery Mildew	Downy Mildew
		Cluster-Berry	Cluster-Berry	Cluster-Rachis	Cluster-Berry	Leaf
Allegan	Chardonnay	Moderate	Trace	Trace	High	None
Berrien 1	Vignoles	Trace	None	Low	Trace	None
Berrien 2	Concord	Trace	None	Low	None	Trace
Van Buren	Concord	Moderate	None	Low	None	Trace

protection next year. Downy mildew showed up in trace amounts on leaves at two sites. Make sure to watch closely as downy mildew can climb to high levels quickly.

*Powdery mildew at Allegan site.*

**Other Notes:**

**Current Growth Stages:**

Concord-Berrien 2  
As of August 9  
Concord- Van Buren

Chardonnay-Allegan  
As of August 10

As of August 10

\*\* For pictures of some of the other insects that may show up in your vineyard [click here](#).

As of August 10  
Vignoles- Berrien 1  
[Click Here](#) for more detailed growth information from the sites.

**Growing Degree Days (Base 50)**

**Starting March 1:**

SITE	8/6	8/13
<a href="#">Fennville</a>	1726	1862
<a href="#">Gd. Junction</a>	1977	2122
<a href="#">Hartford</a>	1738	1868
<a href="#">Lawton</a>	NA	NA
<a href="#">St. Joseph</a>	1918	2060
<a href="#">SWMREC</a>	1846	1987
<a href="#">Watervliet</a>	1901	2040

**Starting April 1:**

8/6	8/13
1698	1835
1940	2084
1706	1836
1876	2012
1879	2021
1811	1952
1864	2003

**Previous Year GDDs on August 13 (March 1 Start):**

[Click here for more Information on GDDs](#)

2005	2004	2003	2002	2001	5 Year Avg.
2018	1607	1542	1857	1805	1766
2237	1889	1810	2089	1894	1984
1987	1710	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
2172	1822	1751	2076	2050	1974
2211	1867	1782	2081	NA	1985

This report is a summary of weekly scouting from winegrape and juicegrape vineyards in southwest Michigan. It should be used only as a general guide, because pests vary greatly in their abundance from site to site. Scouting your own vineyards is the best way to know whether pest problems are developing in your farm.

For more information on this project, contact Steve at (517) 242 1282

More information on Vineyard IPM is available online at: [www.grapes.msu.edu](http://www.grapes.msu.edu)

All photos: Steven Van Timmeren