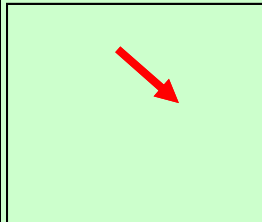


# Weekly Vineyard IPM Scouting Summary

Report for the week of August 24, 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)				
	8/10	8/17	8/24		7/27	8/3	8/10	8/17	8/24
Allegan	1	4	5	Allegan	0	3	6	3	11
Berrien 1	2	1	11	Berrien 1	9	6	18	26	26
Berrien 2	9	19	7	Berrien 2	3	4	9	5	11
Van Buren	22	9	11	Van Buren	16	23	15	36	44
<b>Average</b>	<b>8</b>	<b>8</b>	<b>8</b>		<b>7.0</b>	<b>9.0</b>	<b>12.0</b>	<b>17.5</b>	<b>23.0</b>
<b>2005 Average</b>	<b>4</b>	<b>5</b>	<b>2</b>		<b>8.4</b>	<b>7.9</b>	<b>16.0</b>	<b>18.4</b>	<b>18.4</b>
<b>2004 Average</b>	<b>4</b>	<b>10</b>	<b>7</b>		<b>3.9</b>	<b>2.8</b>	<b>5.9</b>	<b>8.4</b>	<b>8.8</b>

**Grape Berry Moth Notes:**  
 \*\* Grape berry moth infested clusters increased at three of the four sites scouted as eggs laid earlier begin to hatch. The increases at these three sites took place mostly at the borders. GBM infestations on the vineyard interiors remain fairly low at each of the sites except the Van Buren site, which is the highest pressure site. Make sure to scout your vineyard interiors as this can give you a good idea how effective your spray program has been and help you avoid any late season surprises.




*GBM infested berry at the Allegan site.*

**Leafhopper Notes:**  
 \*\* Grape leafhopper numbers are extremely low and problems will probably only show up at hot spots in vineyards that haven't been receiving insecticide sprays this season.

Site	Avg. # JB's Per Vine (Out of 5 vines scouted at 4 Locations at Each Site)			Japanese Beetle Notes:
	8/10	8/17	8/24	
Allegan	0.0	0.0	0.0	** Japanese beetles were only found at two of the four sites. Adult numbers are close to zero now.
Berrien 1	0.2	0.4	0.1	
Berrien 2	0.7	0.6	0.0	
Van Buren	0.6	0.4	0.3	
<b>Average</b>	<b>0.4</b>	<b>0.3</b>	<b>0.1</b>	
<b>2005 Average</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	
<b>2004 Average</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	

**Downy Mildew Notes:**  
 \*\* Downy mildew leaf spots increased slightly this week, but not nearly as quickly as last week. Keep a close eye on your vineyards, especially more susceptible varieties such as Niagara to ensure the disease doesn't get out of control.




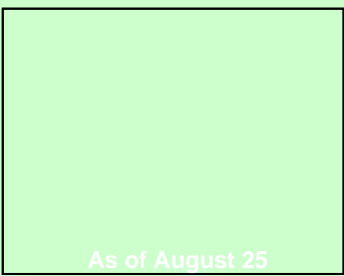
*Downy mildew spots on Concord leaf at Van Buren site.*

**Other Disease Notes:**  
 \*\* Black rot berries continue to shrivel up and fall off the clusters. Phomopsis infections on the cluster rachis and berries remained at about the same level as last week. Powdery mildew at the Allegan site has remained at the same level for the last several weeks.

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

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

**Current Growth Stages:**

<p>Concord-Berrien 2</p>  <p>As of August 24 Concord- Van Buren</p>	<p>Chardonnay-Allegan</p>  <p>As of August 25</p>
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**Other Notes:**  
 \*\*For pictures of other insects that may show up in your vineyard [click here](#).

[Click Here](#) for more detailed growth information from the sites.

**Growing Degree Days (Base 50)**

**Starting March 1:**

SITE	8/20	8/27
<a href="#">Fennville</a>	1996	2129
<a href="#">Gd. Junction</a>	2257	2399
<a href="#">Hartford</a>	1990	2121
<a href="#">Lawton</a>	NA	NA
<a href="#">St. Joseph</a>	2200	2342
<a href="#">SWMREC</a>	2121	2261
<a href="#">Watervliet</a>	2175	2314

**Starting April 1:**

8/20	8/27
1968	2101
2218	2360
1958	2089
2145	2284
2159	2301
2085	2225
2137	2276

**Previous Year GDDs on August 27 (March 1 Start):**

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

2005	2004	2003	2002	2001	5 Year Avg.
2281	1834	1865	2127	2046	2031
2512	2128	2149	2382	2130	2260
2234	1927	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
2451	2055	2099	2369	2303	2255
2489	2102	2132	2368	NA	2273

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