**Weekly Vineyard IPM Scouting Summary**  
**Report for the week of July 21, 2005**

This report is a summary of weekly scouting from wine grape and juice grape 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.

### Grape Berry Moths in Pheromone Traps (Average # Per Trap) | GBM Infested Clusters (#/25 Clusters)

<table>
<thead>
<tr>
<th>Farm</th>
<th>Variety</th>
<th>6/16</th>
<th>6/23</th>
<th>6/30</th>
<th>7/7</th>
<th>7/14</th>
<th>7/21</th>
<th>8/4</th>
<th>Farm</th>
<th>6/30</th>
<th>7/7</th>
<th>7/14</th>
<th>7/21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allegan 1</td>
<td>Niagara</td>
<td>57</td>
<td>24</td>
<td>13</td>
<td>9</td>
<td>16</td>
<td>14</td>
<td></td>
<td>Allegan 1</td>
<td>0</td>
<td>0.3</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Allegan 2</td>
<td>Chardonnay</td>
<td>11</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>5</td>
<td>4</td>
<td></td>
<td>Allegan 2</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.5</td>
</tr>
<tr>
<td>Van Buren 1</td>
<td>Concord</td>
<td>30</td>
<td>23</td>
<td>17</td>
<td>12</td>
<td>13</td>
<td>4</td>
<td></td>
<td>Van Buren 1</td>
<td>3.3</td>
<td>5</td>
<td>6.8</td>
<td>10</td>
</tr>
<tr>
<td>Van Buren 2</td>
<td>Niagara</td>
<td>18</td>
<td>8</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td>Van Buren 2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.3</td>
</tr>
<tr>
<td>Berrien 1</td>
<td>Vignoles</td>
<td>7</td>
<td>6</td>
<td>12</td>
<td>7</td>
<td>6</td>
<td>0</td>
<td></td>
<td>Berrien 1</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>4.5</td>
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<tr>
<td>Berrien 2</td>
<td>Concord</td>
<td>41</td>
<td>26</td>
<td>28</td>
<td>5</td>
<td>1</td>
<td>4</td>
<td></td>
<td>Berrien 2</td>
<td>0.5</td>
<td>0.3</td>
<td>1.5</td>
<td>0</td>
</tr>
<tr>
<td>Berrien 3</td>
<td>Merlot, etc.</td>
<td>9</td>
<td>4</td>
<td>23</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td></td>
<td>Berrien 3</td>
<td>0.3</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Average**

- **2004 Average:** 12 5 2 4 2.43 4 2 4 0.1 0.1 0.3 0.73
- **2004 Average:** 25 13 14 6 7 6 0.8 1.1 2.1 2.3

### Japanese Beetles (Average # JBs on Five Vines)

**Japanese Beetle Notes:**

- **GBM cluster infestations continue to increase at a faster pace than last year, while the next generation of adults should be emerging soon.**
- **Increase in numbers indicates a higher number of adults on site.**
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**Grape Berry Moth Notes:**

- **GBM cluster infestations continue to increase at a faster pace than last year, while the next generation of adults should be emerging soon.**
- **Increase in numbers indicates a higher number of adults on site.**
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- **Increase in numbers indicates a higher number of adults on site.**

**Average**

- **2004 Average:** 8.5 15.8
- **2004 Average:** 25 13

### Disease Level Rankings:

- **None**, Trace, Low, Moderate, High, Very High

**Disease Notes:**

- **Disease levels are still low at all sites, but may increase with the recent rain.**
- **Botrytis has been spotted on GBM infested clusters at several sites.**
- **Disease levels are still low at all sites, but may increase with the recent rain.**

### Current Growth Stages:

- **Merlot-Berrien 3**
- **Pinot Noir-Berrien 3**
- **Riesling-Berrien 3**
- **Concord-Van Buren 1**
- **Concord-Berrien 2**
- **Niagara-Allegan 1**
- **Niagara-Van Buren 2**

### Growing Degree Days (Base 50)

<table>
<thead>
<tr>
<th>SITE</th>
<th>6/30</th>
<th>7/7</th>
<th>7/14</th>
<th>7/21</th>
<th>7/14</th>
<th>7/21</th>
<th>Previous Year GDDs on July 21 (March 1 Start)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fennville</td>
<td>1008</td>
<td>1131</td>
<td>1296</td>
<td>1478</td>
<td>1276</td>
<td>1458</td>
<td>1233 1104 1336 1367 1505 1348 1527 1357</td>
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<tr>
<td>Gd. Junction</td>
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<td>1278</td>
<td>1451</td>
<td>1639</td>
<td>1426</td>
<td>1614</td>
<td>1365 1342 1516 1409 1444 1303 1516 1409</td>
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<tr>
<td>Hartford</td>
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<td>1151</td>
<td>1306</td>
<td>1473</td>
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<td>1454</td>
<td>1365 1342 1516 1409 1444 1303 1516 1409</td>
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<td>1423</td>
<td>1606</td>
<td>1402</td>
<td>1584</td>
<td>1402 1303 1516 1409 1444 1303 1516 1409</td>
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<tr>
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<td>1291</td>
<td>1460</td>
<td>1645</td>
<td>1437</td>
<td>1622</td>
<td>1490 1324 1516 NA 1409 1324 1516 NA</td>
</tr>
</tbody>
</table>

**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: Steve Van Timmeren