Weekly Vineyard IPM Scouting Summary
Report for the week of April 26, 2007
Southwest Michigan

**Grape Berry Moth:**

<table>
<thead>
<tr>
<th>Site</th>
<th>Variety</th>
<th>Average Number of GBM in Traps (Average of 4 Traps Per Site)</th>
<th>Percent Clusters Infested With GBM (25 Clusters Scouted at 4 Locations at Each Site)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allegan</td>
<td>Chardonnay</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Berrien 1</td>
<td>Vignoles</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Berrien 2</td>
<td>Concord</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Van Buren</td>
<td>Concord</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2007 Average</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2006 Average</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2005 Average</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2004 Average</td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**No grape berry moth have been captured in pheromone traps yet.**
Some moths have been reported in southern Berrien county, but none have been seen at the four southwest sites scouted for this report.

**Grape Flea Beetle (Steely Beetle):**

**Some minor flea beetle feeding damage has been seen at the Berrien 2 and Van Buren sites, as indicated by the small circular holes found in the buds (see the picture to the right).** The buds can handle quite a bit of this surface feeding without causing lasting damage to the clusters. Make sure to scout your vineyards, especially along wooded borders, to see whether you have any flea beetles or damage. Flea beetles are a small shiny metallic dark blue beetle that are especially active on warm sunny days. If you only find a few beetles or damaged buds an insecticide spray is probably not warranted. Growers who experienced high flea beetle damage last year should pay particular attention to those vineyards this year.

**Climbing Cutworm:**

**No cutworm damage has been seen at any of the sites so far this season. Unlike flea beetles, cutworms create irregular shaped holes in buds and can consume whole buds (see picture to the right). They can be a more severe problem than flea beetles where they are present.** Keep a close watch in your vineyards for this damage, especially near the trunk of the vine, where the cutworms first begin feeding. Pay close attention to weedy and sandy vineyards, as well as vineyards that have had problems in previous years.

**Other Notes:**

**Upcoming Grape IPM Meetings:**

**Thursday, May 24 - MSU-National Grape IPM Update**
10:00am-12:00pm: Cronenwett Farms, Lawton
2:00pm-4:00pm: Berrien County Office at SWMREC

**Thursday, June 14 - Grape IPM Scouting Workshop Twilight Meeting**
6:00pm at Tim Seppala Farm, Lawton

**Thursday, July 12 - Grape IPM Scouting Workshop Twilight Meeting**
6:00pm at the Dongvillo Farm, Scottsdale

**Wednesday, July 25 - Viticulture Day**
At SWMREC

**Thursday, August 9 - Grape IPM Scouting Workshop Twilight Meeting**
6:00pm at Jeff Lemon's Lemon Creek Farm, Berrien Springs
Disease Notes:

** As grape shoots begin to elongate make sure to apply protectant fungicide sprays as they are needed. Pay close attention to the weather and any wetting events that may occur.

** Since 2006 was a year with a lot of powdery mildew infections make sure to pay close attention to infection periods this spring, especially in vineyards that had heavy infections last year. Protecting clusters from powdery mildew during spring time infection periods is a critical component to preventing infections later in the season.

** Dormant sprays of sulfur or copper, which have been shown to be effective at reducing disease pressure later in the season, can still be applied to later wine grape varieties, as long as shoot growth hasn’t started. Be sure to read the label for phytotoxicity warnings, as some of these products may damage young shoots.

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