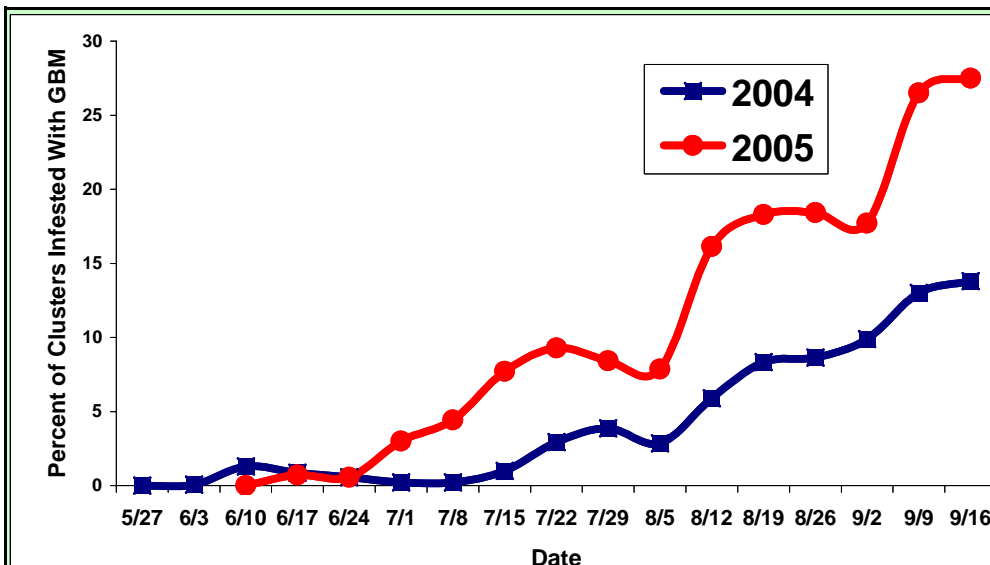


This report is a summary of weekly scouting from winegrape and juicegrape vineyards in southwest Michigan. It should be used only as a general guide, because pests vary greatly in their abundance from site to site. Scouting your own vineyards is the best way to know whether pest problems are developing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

### Grape Berry Moths in Pheromone Traps (Average # Per Trap)

### GBM Infested Clusters (#/25 Clusters)

Farm	Variety	8/18	8/25	9/1	9/8	9/15	9/22	Farm	8/18	8/25	9/1	9/8	9/15	9/22
Van Buren 1	Concord	6	2	3	1	0	0	Van Buren 1	13.0	13.0	12.3	12.5	12.5	13.5
<b>2004 Average</b>		<b>9.7</b>	<b>7.8</b>	<b>7.0</b>	<b>2.3</b>	<b>1.7</b>	<b>0.3</b>		<b>2.1</b>	<b>2.2</b>	<b>2.5</b>	<b>3.3</b>	<b>3.5</b>	<b>3.5</b>



**Grape Berry Moth Notes:**  
 \*\* The figure to the left shows the percent of clusters infested with GBM in 2004 and 2005. This figure shows 2005 infestation starting earlier than last year and increasing to higher percentages than 2004. There is also a greater late season increase in GBM infestation in 2005 than in 2004. In both years peaks in infestation were seen in mid July, mid August, and mid September. This is something to keep in mind for next year. For a larger version of this figure [Click here](#)  
 To see the figure from last week's report showing GBM trap catches [Click here](#)

### Ladybeetle Notes:

\*\* With most grapes harvested, the danger from multi-colored Asian ladybeetles is lessened. If you do still have some grapes to harvest keep a close eye out for the beetles in your vineyard.

[Click here](#) for more MALB information.  
[Click here](#) for a detailed review of MALB biology.



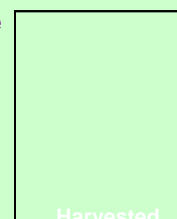
Asian ladybeetle on Niagara grape.

### Misc. Notes:

\*\* Since all sites have been harvested no more scouting will occur this year. Over the next couple of weeks the scouting reports will wrap up for the season by summarizing the scouting data from the entire summer.

### Current Growth Stages:

\*\* All sites have now been harvested. The pictures here were taken during the last scouting before harvest.



Harvested  
Riesling-Berrien 3

### Starting March 1:

### Starting April 1:

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

Growing Degree Days (Base 50)	SITE	9/8	9/15	9/22
	<a href="#">Fennville</a>	2491	2639	2741
	<a href="#">Gd. Junction</a>	2708	2863	2970
	<a href="#">Hartford</a>	2432	2573	2668
	<a href="#">SWMREC</a>	2670	2828	2938
	<a href="#">Watervliet</a>	2721	2877	2988

9/8	9/15	9/22
2471	2619	2721
2684	2839	2945
2413	2554	2649
2649	2806	2916
2698	2855	2965

Previous Year GDDs on September 22, 2005 (March 1 Start):

2004	2003	2002	2001
2188	2232	2536	2386
2554	2555	2843	2479
2311	NA	NA	NA
2498	2499	2842	2645
2547	2549	2841	NA

### 2005 Season Breakdown:

### Yearly Totals (Jan. 1-Sept. 22):

Rainfall Totals For 2005 (Inches)	SITE	April-June	July-Sept.22
	<a href="#">Fennville</a>	3.6	3.3
	<a href="#">Gd. Junction</a>	6.1	5.9
	<a href="#">Hartford</a>	4.5	5.8
	<a href="#">SWMREC</a>	2.8	8.0
	<a href="#">Watervliet</a>	4.3	7.2

2005	2004	2003	2002
13.0	20.7	14.8	18.6
19.3	24.1	21.1	21.7
17.4	24.5	NA	NA
17.5	22.2	23.4	20.9
18.5	21.3	14.2	22.5

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