


Weekly Vineyard IPM Scouting Summary

Report for the week of September 7, 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)				
	8/24	8/31	9/7		8/10	8/17	8/24	8/31	9/7
Allegan	5	10	6	Allegan	6	3	11	10	4
Berrien 1	11	26	5	Berrien 1	18	26	26	28	19
Berrien 2	7	24	6	Berrien 2	9	5	11	10	5
Van Buren	11	14	1	Van Buren	15	36	44	51	34
Average	8	18	4		12.0	17.5	23.0	24.8	15.5
2005 Average	2	5	6		16.0	18.4	18.4	25.6	26.4
2004 Average	8	7	2		5.9	8.4	8.4	10.0	13.2

Ladybeetle Notes: Asian ladybeetle feeding on Niagara grape.

** No ladybeetles were seen during scouting this past week. Keep a close eye out for some to begin showing up once the weather warms up again.



Other Insect Notes:

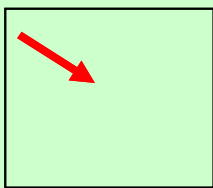
** **Fruit flies** are increasing in number, especially at the Berrien 1 site where phomopsis is increasing.

** **Ants** continue to feed on cracked berries at all sites.

Grape Berry Moth Notes:

** GBM infestation levels decreased this week. Decreases at the two Concord sites are probably due to increased difficulty in spotting infested berries because of the berry color changes. Decreases at the Berrien 1 site are probably due to increased botrytis hiding the infestations, while decreases at the Allegan site appear to be a natural decline as several old infestations were spotted during scouting. Now is a good time to make notes on where your GBM hot spots are so that you can watch them closely next year.

GBM infested Concord berry that is more difficult to see because of the berry color change.



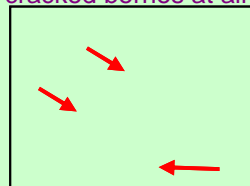
Downy Mildew Notes:

** Downy mildew leaf spots increased slightly at the Berrien 2 site and stayed about the same at the Van Buren site. Leaf spots also showed up for the first time at the Berrien 1 site. Keep a close eye on your leaves so the vines don't defoliate too soon.



Downy mildew spots on Concord leaf at Van Buren site.

Fruit fly larvae feeding on rotten grapes at the Berrien 1 site.



Other Disease Notes:

** Phomopsis on berries increased quite a bit at the Berrien 1 site this past week. Rachis infections are causing berries to fall off clusters. Make a note of problem areas so you can increase protection next year.

** Powdery mildew has begun to show up on cluster rachis' at the two Concord sites in trace amounts.

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	Low	Trace	Trace	None	High	None
Berrien 1	Vignoles	None	Low	Trace	Moderate	Trace	Trace
Berrien 2	Concord	None	None	Trace	Trace	None	Moderate
Van Buren	Concord	Trace	None	Moderate	Trace	None	Moderate

Other Notes:

** For pictures of other insects that may be found in your vineyard [click here](#).

Current Growth Stages:

Concord-Berrien 2	Chardonnay-Allegan	Vignoles-Berrien 1
As of September 7	As of September 8	As of September 7

Concord- Van Buren

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

Growing Degree Days (Base 50)

Starting March 1:

SITE	9/4	9/10
Fennville	2241	2318
Gd. Junction	2521	2605
Hartford	2227	2302
Lawton	NA	NA
St. Joseph	2460	2548
SWMREC	2374	2459
Watervliet	2427	2510

Starting April 1:

9/4	9/10
2213	2290
2482	2566
2195	2270
2396	2480
2419	2507
2338	2423
2389	2472

Previous Year GDDs on September 10 (March 1 Start):

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

2005	2004	2003	2002	2001	5 Year Avg.
2540	2053	2072	2403	2277	2269
2784	2363	2367	2665	2364	2509
2474	2138	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
2727	2291	2326	2672	2567	2517
2769	2342	2358	2663	NA	2533

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
 All photos: Steven Van Timmeren