

Weekly Vineyard IPM Scouting Summary

Report for the week of September 1, 2005

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	7/28	8/4	8/11	8/18	8/25	9/1	Farm	7/28	8/4	8/11	8/18	8/25	9/1
Allegan 1	Niagara	15	20	7	10	4	4	Allegan 1	0.3	0.3	1.8	2.8	4.3	4.3
Allegan 2	Chardonnay	10	6	2	9	1	0	Allegan 2	1.0	1.0	2.5	3.0	1.5	1.0
Van Buren 1	Concord	2	3	8	6	2	3	Van Buren 1	10.3	8.3	12.8	13.0	13.0	12.3
Van Buren 2	Niagara	7	5	3	4	1	4	Van Buren 2	0.0	0.0	0.0	0.0	0.0	0.3
Berrien 1	Vignoles	1	7	1	1	3	4	Berrien 1	2.0	3.5	8.8	12.0	12.5	11.5
Berrien 2	Concord	3	11	3	1	1	7	Berrien 2	0.5	0.0	0.8	0.3	0.5	1.3
Berrien 3	Merlot, etc.	13	11	5	4	1	7	Berrien 3	0.8	0.8	1.8	1.0	0.5	0.5
Average		7.2	9.0	4.0	4.7	1.8	4.0	Average	2.1	2.0	4.0	4.6	4.6	4.4
2004 Average		2.3	3.8	4.2	9.7	7.8	7.0		1.0	0.7	1.5	2.1	2.2	2.5

Grape Berry Moth Notes:

**Adult GBM trap captures were up slightly this week while GBM infested clusters stayed the same, although there was site to site variability. This shows the importance of scouting your own vineyards to see where your infestation levels are at. For late harvested varieties, now is the last opportunity to apply an insecticide and expect any control before harvest.

Old GBM infested cluster at Van Buren 1.

Ladybeetle Notes:

**Few ladybeetles were seen in vineyards this week. At Van Buren 2 only 1 out of 80 clusters had a ladybeetle in it. The other sites had low numbers as well. However, keep a close eye on your vineyards, especially later harvested varieties as the ladybeetles will begin to congregate as the weather turns cooler.

[Click here](#) for more information on this insect.

Asian ladybeetle feeding on Niagara grape.

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

Farm	Variety	Black Rot	Downy Mildew	Phomopsis	Powdery	Disease Notes:
		Cluster	Leaves	Cluster	Leaves	
Allegan 1	Niagara	Trace	None	None	None	** Some powdery and downy mildew is showing up on leaves at Van Buren 2 and Berrien 2 but nothing is too serious. <i>Powdery mildew leaf infections at Berrien 3.</i>
Allegan 2	Chardonnay	None	None	Trace	None	
Van Buren 1	Concord	Trace	None	Trace	None	
Van Buren 2	Niagara	Trace	Low	Trace	Trace	
Berrien 1	Vignoles	None	None	Trace	None	
Berrien 2	Concord	None	None	None	None	
Berrien 3	Merlot, etc.	None	None	None	Low	

Current Growth Stages:

Chardonnay-Allegan 2	Merlot-Berrien 3	Riesling-Berrien 3	Concord-Van Buren 1	Niagara-Allegan 1
	Pinot Noir-Berrien 3		Concord-Berrien 2	
		Vignoles-Berrien 1		Harvesting Soon
				Niagara-Van Buren 2
				Harvesting Soon

Growing Degree Days (Base 50)

Starting March 1:

SITE	8/11	8/18	8/25	9/1
Fennville	1969	2114	2234	2362
Gd. Junction	2159	2316	2541	2576
Hartford	1943	2081	2193	2317
SWMREC	2118	2267	2397	2536
Watervliet	2165	2316	2442	2585

Starting April 1:

8/25	9/1
2214	2342
2517	2552
2174	2298
2376	2515
2420	2562

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

Previous Year GDDs on September 1, 2005 (March 1

2004	2003	2002	2001
1855	1923	2217	2124
2201	2231	2478	2212
1993	NA	NA	NA
2128	2182	2458	2337
2178	2214	2468	NA

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: Steve Van Timmeren