

Weekly Vineyard IPM Scouting Summary

Report for the week of July 20, 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)			
	6/30	7/7	7/13	7/20		6/30	7/7	7/13	7/20
Allegan	1	1	0	0	Allegan	0	1	5	4
Berrien 1	6	8	1	3	Berrien 1	1	3	6	3
Berrien 2	22	3	4	4	Berrien 2	2	5	4	9
Van Buren	29	24	11	11	Van Buren	5	28	30	18
Average	14	9	4	5		2.0	9.3	11.3	8.5
2005 Average	14	6	7	6		5.0	7.5	8.4	9.2
2004 Average	2	4	2	4		0.4	0.4	1.2	2.8

Site	Avg. # JB's Per Vine (Out of 5 vines scouted at 4 Locations at Each Site)		
	7/7	7/13	7/20
Allegan	0	0.5	0.0
Berrien 1	4.7	7.6	11.2
Berrien 2	3.2	6.2	6.7
Van Buren	4.2	4.6	2.1
Average	3.0	4.7	5.0
2005 Average	3.9	6.6	2.6
2004 Average	1.1	2.7	3.2

Japanese beetle feeding damage on Vignoles leaf at the Berrien 1 site.

Grape Berry Moth Notes:

** Infested clusters increased at the Berrien 2 site, but decreased slightly at the other 3 sites. Many of the infestations present are older, indicating the next generation of moths will most likely begin flying in the next week or so. Keep a close eye on GBM infested clusters as they'll increase as the next generation of moths begin to emerge. For some pictures of infested clusters on different grape varieties [click here](#).



GBM infestation in Vignoles cluster at the Berrien 1 site.

Leafhopper Notes:

** Grape leafhopper numbers were quite high at the Berrien 2 site, which hadn't received an insecticide spray yet. Look for damaged leaves as well as nymphs and adults on the leaf undersides.

Japanese Beetle Notes:

** Japanese beetle numbers stayed about the same at all sites except Berrien 1 where they increased again. The Vignoles vines at the Berrien 1 site have plenty of foliage to spare some to the beetles. Take a look at your own vineyards and assess how much foliage you can spare to JB's. A spray applied now will most likely keep populations low for the rest of the season.

Disease Notes:

** Black rot infections are showing up in berries at the Van Buren site. Take a look in your vineyards to see how good your coverage was earlier in the season. Also, keep an eye out for powdery mildew, as



it's showing up in trace amounts at several sites. Black rot infected berries at the Van Buren site.

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

Farm	Variety	Black Rot	Botrytis Bunch Rot	Phomopsis	Powdery Mildew
		Cluster-rachis	Cluster-Berry	Cluster-Rachis	Cluster-Berry
Allegan	Chardonnay	None	Trace	None	Trace
Berrien 1	Vignoles	None	None	Trace	Trace
Berrien 2	Concord	None	None	Trace	None
Van Buren	Concord	Low	None	Low	Trace

Current Growth Stages:

Concord-Berrien 2	Chardonnay-Allegan
As of July 20 Concord- Van Buren	As of July 20 Vignoles- Berrien 1

Other Notes:

** For pictures of some of the other insects that may show up in your vineyard [click here](#).

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

Growing Degree Days (Base 50)

Starting March 1:

SITE	7/9	7/23
Fennville	1192	1352
Gd. Junction	1416	1583
Hartford	1225	1378
Lawton	NA	NA
St. Joseph	1368	1536
SWMREC	1307	1469
Waterliet	1360	1523

Starting April 1:

7/9	7/23
1165	1324
1377	1542
1193	1347
1343	1505
1327	1496
1270	1434
1323	1487

Previous Year GDDs on July 23 (March 1 Start):

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

2005	2004	2003	2002	2001	5 Year Avg.
1528	1298	1138	1386	1320	1334
1687	1547	1380	1583	1408	1521
1516	1404	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
1661	1484	1334	1568	1520	1513
1692	1531	1355	1571	NA	1537

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