

Weekly Vineyard IPM Scouting Summary

Report for the week of July 27, 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)			
	7/7	7/13	7/20	7/27		7/7	7/13	7/20	7/27
Allegan	1	0	0	1	Allegan	1	5	4	0
Berrien 1	8	1	3	1	Berrien 1	3	6	3	9
Berrien 2	3	4	4	5	Berrien 2	5	4	9	3
Van Buren	24	11	11	10	Van Buren	28	30	18	16
Average	9	4	5	4		9.3	11.3	8.5	7.0
2005 Average	6	7	6	7		7.5	8.4	9.2	8.4
2004 Average	4	2	4	2		0.4	1.2	2.8	3.9

Site	Avg. # JB's Per Vine (Out of 5 vines scouted at 4 Locations at Each Site)		
	7/13	7/20	7/27
Allegan	0.5	0.0	3.1
Berrien 1	7.6	11.2	4.8
Berrien 2	6.2	6.7	2.7
Van Buren	4.6	2.1	6.2
Average	4.7	5.0	4.2
2005 Average	6.6	2.6	1.0
2004 Average	2.7	3.2	0.5

Japanese beetles and feeding damage on Concord leaf at the Van Buren site.

Grape Berry Moth Notes:
 ** Infested clusters stayed the same or decreased at all sites except Berrien 1, where they increased by 6 percent. The slight decreases are probably indications that older infestations are falling off and egg-laying is occurring. Take a close look in your vineyards for GBM infestation, especially along woods edges. If you find a lot of infested clusters you may want to apply a spray now.
[Click here](#) to see GBM infestations in different varieties.



Older GBM infestation in Concord cluster at the Van Buren 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 were down at two sites and up at two sites. If you haven't seen high numbers of beetles yet you probably won't have a problem with them this year. Keep a close eye on younger vineyards, though, as young vines can be defoliated in a hurry by the voracious beetles.

Disease Notes:
 ** Various diseases are showing up at many of the sites. Powdery mildew increased dramatically at the Allegan site, as did black rot on the berries. Keep a close eye on what's going on in your vineyards as there is a lot more disease this year than last year.
 Powdery mildew on berries at Allegan 1.

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

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

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

Current Growth Stages:

Concord-Berrien 2	Chardonnay-Allegan
As of July 27	As of July 27

Concord- Van Buren Vignoles- Berrien 1

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

Growing Degree Days (Base 50)

Starting March 1:

SITE	7/23	7/30
Fennville	1352	1534
Gd. Junction	1583	1771
Hartford	1378	1553
Lawton	NA	NA
St. Joseph	1536	1723
SWMREC	1469	1652
Watervliet	1523	1707

Starting April 1:

7/23	7/30
1324	1506
1542	1733
1347	1521
1505	1685
1496	1684
1434	1617
1487	1671

Previous Year GDDs on July 30 (March 1 Start):

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

2005	2004	2003	2002	2001	5 Year Avg.
1675	1391	1269	1760	1467	1512
1875	1659	1522	1550	1558	1633
1659	1504	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA
1816	1595	1472	1742	1675	1660
1851	1640	1495	1747	NA	1683

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