



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)

Farm	Variety	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	Farm	6/30	7/7	7/14	7/21	
Allegan 1	Niagara	57	24	13	9	16	14			Allegan 1	0	0.3	0	0	
Allegan 2	Chardonnay	11	4	3	2	5	4			Allegan 2	0.3	0.3	0.5	0.5	
Van Buren 1	Concord	30	23	17	12	13	4			Van Buren 1	3.3	5	6.8	10	
Van Buren 2	Niagara	18	8	3	3	4	5			Van Buren 2	0	0	0	0.3	
Berrien 1	Vignoles	7	6	12	7	6	0			Berrien 1	1	2	6	4.5	
Berrien 2	Concord	41	26	28	5	1	4			Berrien 2	0.5	0.3	1.5	0	
Berrien 3	Merlot, etc.	9	4	23	3	5	8			Berrien 3	0.3	0	0	1	
Average		25	13	14	6	7	6			Average		0.8	1.1	2.1	2.3
2004 Average		12	5	2	4	2.43	4	2	4	Average		0.1	0.1	0.3	0.73

GBM Infested Clusters (#/25 Clusters)

Japanese Beetles (Average # JB's on Five Vines)


Farm	Variety	7/14	7/21	Japanese Beetle Notes:	Grape Berry Moth Notes:
Allegan 1	Niagara	1	5	<p>** JB's were down slightly this week as sites with high pressure had sprays applied to decrease numbers. Sites with low numbers saw a slight increase in JB's. Continue to keep an eye on hot spots as numbers can climb in a hurry.</p>  <p><i>JB on damaged leaf at Van Buren 1.</i></p>	<p>** GBM cluster infestations continue to increase at a faster pace than last year, while the next generation of adults should be emerging soon. If you have a high pressure site, make sure you keep a careful eye on it as we get closer to harvest.</p>  <p><i>GBM infested berry with larva in the center at Van Buren 1.</i></p>
Allegan 2	Chardonnay	3	15		
Van Buren 1	Concord	9	10		
Van Buren 2	Niagara	30	58		
Berrien 1	Vignoles	120	1		
Berrien 2	Concord	1	3		
Berrien 3	Merlot, etc.	10	1		
Average		25	13		
2004 Average		8.5	15.8		

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

Farm	Variety	Black Rot	Downy Mildew	Phomopsis	Powdery
		Cluster	Cluster	Cluster	Cluster
Allegan 1	Niagara	Trace	None	None	None
Allegan 2	Chardonnay	None	None	Trace	None
Van Buren 1	Concord	None	None	None	None
Van Buren 2	Niagara	None	None	None	Trace
Berrien 1	Vignoles	None	None	Trace	None
Berrien 2	Concord	None	None	None	None
Berrien 3	Merlot, etc.	None	None	None	None

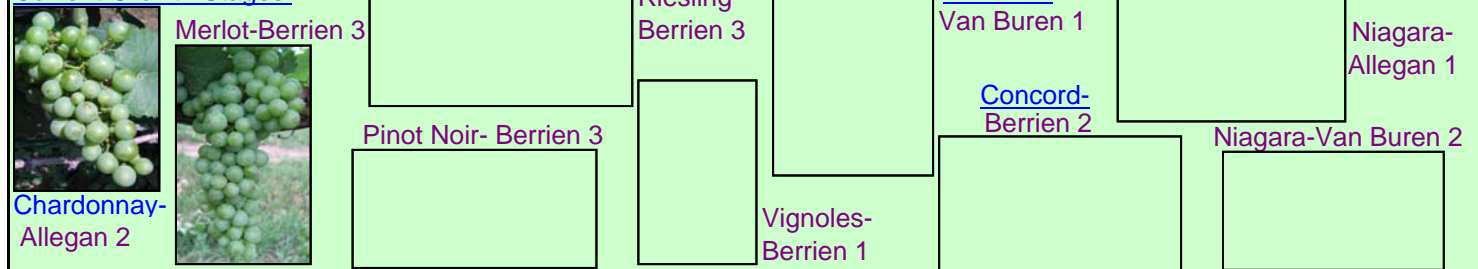
Disease Notes:

** Disease levels are still low at all sites, but may increase with the recent rain. Botrytis has been spotted on GBM infested clusters at several sites.



Powdery mildew cluster infection.

Current Growth Stages:



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

Growing Degree Days (Base 50)

Starting March 1:

SITE	6/30	7/7	7/14	7/21
Fennville	1008	1131	1296	1478
Gd. Junction	1140	1278	1451	1639
Hartford	1026	1151	1306	1473
SWMREC	1114	1250	1423	1606
Watervliet	1153	1291	1460	1645

Starting April 1:

7/14	7/21
1276	1458
1426	1614
1286	1454
1402	1584
1437	1622

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

Previous Year GDDs on July 21 (March 1 Start):

2004	2003	2002	2001
1233	1104	1336	1267
1505	1348	1527	1357
1365	NA	NA	NA
1444	1303	1516	1409
1490	1324	1516	NA