

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.

Frost Damage Notes:

** Vineyards that sustained frost damage are still looking very brown. Damage assessments this week show slightly lower levels of damage than last time. The percent of primary buds damaged by frost was 84% at the Van Buren site, 89% at the Berrien 2 site, 14% at the Allegan site, and 41% at Berrien 1. It needs to be mentioned that these are only preliminary damage assessments. The full extent of the damage won't be known until the secondary buds begin to push and the clusters can be seen. In general, though, juice grapes sustained more damage than wine grapes and southern vineyards had more damage than northern sites. With all the damage around the region it will be more important than ever to scout your vineyards this year. Knowing what insects and diseases are out there will help you keep your sprays to a minimum without hurting the crop that is left. For an excellent article on insect and disease control in a year with frost damage [click here](#).



Frost damaged bud (top) and undamaged bud (bottom) at Van Buren site.

Grape Berry Moth Notes:

Site	Average Number of GBM Per Trap		
	4/20	4/30	5/9
Allegan	0	0	0.5
Berrien 1	0	0	3
Berrien 2	0	0	0.3
Van Buren	0	0	4

** Grape berry moth were caught in traps for the first time this week. They should increase steadily over the next few weeks. If you've been meaning to put out a monitoring trap now is the time to do it. Traps and pheromones can be obtained from companies such as [Suterra*](#) and [Great Lakes IPM*](#).

* Mention of companies is for informational purposes only and not meant as an endorsement of particular companies.

Grape Flea Beetle Notes:

** Some flea beetle activity was seen at several of the sites. Most of the feeding was concentrated along the edges of the vineyards. Feeding was quite extensive in spots, especially in vineyards where frost damage occurred. If your vineyard sustained frost damage watch your young buds carefully, as the flea beetles have less to feed on and may cause more damage than usual. Whether an insecticide spray is warranted will depend on how severe the frost damage is and how much beetle feeding there is.

Flea beetle feeding on young shoot at Van Buren site.



Distinctive gray blue "saddle"



Grape berry moth caught in monitoring trap.

Current Growth Stages:

As of May 9

Concord-Van Buren

Concord-Berrien 2



As of May 9

Chardonnay-Allegan



As of May 9



As of May 9

Vignoles- Berrien 1

Growing Degree Days (Base 50)

Starting March 1:

SITE	4/30	5/9
Fennville	157	218
Gd. Junction	212	292
Hartford	174	237
Lawton	NA	NA
St. Joseph	199	274
SWMREC	189	262
Watervliet	203	278

Starting April 1:

4/30	5/9
129	190
173	252
143	205
166	239
162	237
154	224
166	242

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

Previous Year GDDs on April 17 (March 1 Start):

2005	2004	2003
219	278	184
217	291	268
240	267	NA
NA	NA	NA
NA	NA	NA
255	267	257
273	209	253

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