

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:

\*\* This past week saw a hard freeze hit most of the grapes in southwest Michigan. Temperatures in the early morning hours of April 26 ranged from 24 to 28 degrees F. At the four sites scouted for this report, damage to primary buds ranged from 39% up to 100% and damage to secondary buds ranged from 0% up to 27%. It should be noted that these damage assessments are preliminary and only time will show what the actual damage levels are. Damage was lighter for grapes that weren't as far along (wine grapes and grapes farther north). For an excellent article on insect and disease control in a frost year [click here](#).



*Frost damage to primary and secondary buds on Concord vine at Berrien 2 site.*

### Grape Berry Moth Notes:

\*\* No grape berry moth adults were caught in traps this week. Emergence should begin sometime in the next couple of weeks, so if you want to set up your own monitoring traps you should do so now. Traps and pheromones can be obtained from companies such as [Great Lakes IPM\\*](#) and [Suterra\\*](#).



*Grape berry moth monitoring trap set up at vineyard edge.*

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

### Grape Flea Beetle Notes:

\*\* Most buds that were sustaining flea beetle damage are now dead because of the frost. However, keep a close eye on any alive buds that continue to grow, as they are especially vulnerable now that there are fewer buds for the beetles to eat.

*Bud with heavy flea beetle feeding damage.*



### Climbing Cutworm Notes:

\*\* Keep looking for cutworm damage as buds that survived the frost continue to grow. With the frost damage it's very important to ensure that the buds you have left don't get eaten.

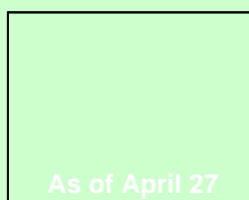
*Cutworm-damaged bud (left) and undamaged bud (right) from 2005.*



### Other Notes:

\*\* [Dormant sprays](#) can still be applied if you would like to get one on your vineyards.

### Current Growth Stages:



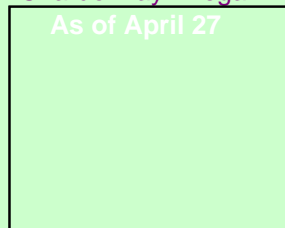
As of April 27  
Concord-Van Buren

#### Concord-Berrien 2

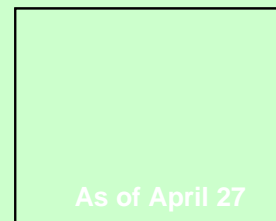


As of April 27

#### Chardonnay-Allegan



As of April 27



As of April 27

Vignoles- Berrien 1

### Growing Degree Days (Base 50)

#### Starting March 1:

SITE	4/20	4/30
<a href="#">Fennville</a>	119	157
<a href="#">Gd. Junction</a>	159	212
<a href="#">Hartford</a>	133	174
<a href="#">Lawton</a>	NA	NA
<a href="#">St. Joseph</a>	152	199
<a href="#">SWMREC</a>	147	189
<a href="#">Watervliet</a>	156	203

#### Starting April 1:

4/20	4/30
90	129
120	173
102	143
115	166
115	162
112	154
119	166

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

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

2005	2004	2003
163	163	139
220	229	201
181	209	NA
NA	NA	NA
NA	NA	NA
190	204	201
204	213	195

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](http://www.grapes.msu.edu)

All photos: Steve Van Timmeren