



Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson

After a spell of colder temperatures, the past several days have felt like the summer we wish we were having more of this year. Warm temperatures and sun have been just what we needed at this point of the season, and it's supposed to stick around for several more days. We'll take it.

While the conditions are great for ripening during the day, the conditions at night have also been favorable for more downy mildew development. Remember that new DM spores are produced at night when temperatures are favorable (anywhere from 50s to 80s Fahrenheit) and when humidity is above 95%, which it has been the past several days if the heavy layer of dew covering my car each morning is any indication. All green tissue is still susceptible to infection, but younger leaves and stems, typically found in the upper canopy at this point in the season, tend to be more susceptible because of their stage of development and the fact that they might not have been sprayed since they emerged.

In This Issue:	
In the Vineyard	pg. 1
Clean Sweep NY	pg. 3
NEWA Survey	pg. 4
Events	pg. 5
GDD's	pg. 6



Multicolored Asian Lady Beetle (MALB)

As we move into harvest, one of the last pests that begins to show up in vineyards is the multicolored Asian lady beetle. For most of the year, MALB is considered a beneficial insect because they feed on pests like soybean aphids. The population of MALB in soybean fields is closely tied to the population of their food source – in most cases in our area, soybean aphids. When there are more aphids to feed on, the population of MALB is higher.

We have seen a couple of individual beetles in our Teaching Vineyard in Dresden so far this year (Dresden was a hot spot for MALB a couple of years ago). My colleague, Mike Stanyard, who works with soybean farms in the region, told me today that soybean aphid populations have been higher recently, and therefore expects to see MALB populations increase in response. Once those soybeans get picked or the aphid population crashes due to a frost, we could potentially see an increase in the number of MALB in the vineyard. So consider this an early warning flag, especially for those vineyards that are relatively close to soybean fields this year, to be on the lookout for MALB numbers increasing over the next few weeks.

In the Vineyard-continued from page 1

As far as materials available for management of MALB, I am including the following from [Greg Loeb's Insect & Mite Management article from last year](#):

There are a few chemical approaches to managing MALB in New York: Danitol [fenprothrin], Mustang Max, Aza-Direct and Evergreen [natural pyrethrins]. To use Danitol in New York for this purpose, you need to have the 2(ee) label. However, a 21 days to harvest restriction limits its usefulness. Mustang Max, another pyrethroid, includes MALB on the grape label and only has a 1 DTH restriction. Aza-Direct, which is based on the active ingredient azadirachtin from the neem tree, appears to have a repellent effect on MALB, again based on trials by Roger Williams at Ohio State. Based on a trial a few years ago by Tim Weigle, Evergreen appears to have both toxic and repellent effects on MALB. Aza-Direct and Evergreen have no days to harvest restrictions. For Aza-Direct, pH in spray water should be 7 or less (optimum is 5.5 to 6.5). The neonicotinoid insecticide Venom [dinotefuran] has shown good efficacy against MALB (both toxic and repellent) in trials conducted by Rufus Isaacs at Michigan State University. It only has a 1 day to harvest restriction. Venom is labeled for use in PA but not NY. Recently, a 2(ee) label expansion for Admire Pro has also been approved. Admire Pro has a zero day to harvest interval when applied to foliage. Imidacloprid has both toxic and repellent effects on MALB, similar to Venom.

Clean Sweep NY Pesticide Collection — DEC Region 8

A 'Fall 2017' collection event targeting the following NYSDEC Region 8 counties will take place during the week of October 2nd: Chemung, Genesee, Livingston, Monroe, Ontario, Orleans, Schuyler, Seneca, Steuben, Wayne and Yates counties.

The collection dates and locations are:

- Tuesday, October 3 Watkins Glen
- Wednesday, October 4 Hornell
- Thursday, October 5 Lakeville
- Friday, October 6 Waterloo

Pre-registration is required and registration packets can be requested by telephone or e-mail at the following:

Telephone: 877-793-3769

E-Mail: info@cleansweepny.org



CleanSweepNY services are provided to farmers and owners of former farms, all categories of NYS certified pesticide applicators, cemeteries, golf courses, marinas, and other entities possessing unwanted or unusable pesticides and other waste chemicals. Each participant is responsible for transporting their materials to the collection site.

CleanSweepNY Services are Not Available to Homeowners.

CleanSweepNY results in enhanced stewardship of the environment. These materials pose human health risks upon exposure and a significant potential hazard to New York State's groundwater and surface water resources.

CleanSweepNY is an Environmental Benefit Project administered by the Natural Heritage Trust (NHT) which was initially established with approximately \$2.2 million from several enforcement settlements in NYSDEC's Pest Management program.

The collections are scheduled and organized by NYSDEC with the collaboration of NYSDOT who generously provide sites for the collection of these unwanted chemicals.

CleanSweepNY is supported by Cornell Cooperative Extension, the Agricultural Container Recycling Council, Soil and Water Conservation Districts, New York Farm Bureau, and other related grower associations.

Further information about the Clean Sweep NY program can be found at <http://www.cleansweepny.org>.

Clean Sweep NY Pesticide Collection --

Dan Olmstead, NEWA Coordinator-NYS IPM Program

The Network for Environment and Weather Applications (NEWA) wants you to take our online survey — it'll only take about 10 minutes of your time.

Whether you've used NEWA's online pest forecast models for years or have never used NEWA at all, we will benefit from your responses. Why? Because we are building a new website at newa.cornell.edu, one that'll be as easy to use on your smart phone as on your desktop, and we want to build it *the way you want it to be*.

NEWA is an online agricultural decision support system that uses real time weather data, streamed over the internet from 573 weather stations throughout the Northeast, Midwest and mid-Atlantic. NEWA provides insect and plant disease pest management tools, degree days, and weather information for growers, consultants, Extension educators, faculty, and others.

NEWA models and resources are available free of charge, and are used to make informed localized crop management decisions. The NEWA website will be upgraded soon and we want to know what users', new and old, want and need out of the new website.

All responses are anonymous and confidential and will not be shared with any outside group.

Thank you for participating!

Take the survey now:

https://cornell.qualtrics.com/jfe/form/SV_0GRIhOIDI5HwbR3

For more information:

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NEWA is a Partnership of the New York State Integrated Pest Management Program and the Northeast Regional Climate Center.

Upcoming Events

Don't forget to check out the calendar on our website (<http://flgp.cce.cornell.edu/events.php>) for more information about these and other events relevant to the Finger Lakes grape industry.



SAVE THE DATE!!

2018 B.E.V. NY Conference and Trade Show

Wednesday, February 28 – Friday, March 2, 2018

RIT Inn & Conference Center

Henrietta, NY

Program and trade show information will become available over the next several weeks. Make your plans now to attend this important event!

Clean Sweep NY – Region 8

Tuesday, October 3 Watkins Glen

Wednesday, October 4 Hornell

Thursday, October 5 Lakeville

Friday, October 6 Waterloo

See announcement in this Vineyard Update for more details and registration information. PRE-REGISTRATION IS REQUIRED to participate. Registration packets can be obtained by calling 877-793-3769 or by email at info@cleansweepny.org.

Unified Wine & Grape Symposium

January 23-25, 2018

Sacramento Convention Center

Sacramento, CA

Information is available at <https://www.unifiedsymposium.org/>.

2017 Growing Degree Days and Rain Fall

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
9/13/17	81.1	55.0	0.00	18.1	2353.4
9/14/17	72.7	64.7	0.56	18.7	2372.1
9/15/17	78.9	59.2	0.00	19.1	2391.1
9/16/17	80.5	59.3	0.00	19.9	2411.0
9/17/17	83.3	61.1	0.00	22.2	2433.2
9/18/17	85.1	64.9	0.00	25.0	2458.2
9/19/17	81.1	61.9	0.00	21.5	2479.7
Weekly Total			0.56"	144.4	
Season Total			21.05"	2479.7	

GDDs as of September 19, 2016: 2827.0

Rainfall as of September 19, 2016: 11.57"



Seasonal Comparisons (at Geneva)

Growing Degree Day

	2017 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	125.8	64.0	+12
May	219.1	252.7	+3
June	492.7	480.8	+3
July	624.0	641.1	+1
August	543.4	591.7	-2
September	244.3	353.5	-5
October		106.4	
TOTAL	2249.1	2490.3	

¹ Accumulated GDDs for each month.

² The long-term average (1973-2016) GDD accumulation for that month.

³ Numbers at the end of each month represent where this year's GDD accumulation stands relative to the long-term average. The most recent number represents the current status.

2017 Growing Degree Days and Rain Fall

Precipitation

	2017 Rain ⁴	Long-term ₅ Avg Rain	Monthly deviation from avg ⁶
April	3.42"	2.85	+0.57"
May	5.35"	3.08	+2.27"
June	4.00"	3.61	+0.39
July	7.42"	3.36	+4.06"
August	3.63"	3.13	+0.50"
September	1.39"	3.64	
October		3.22	
TOTAL	25.21"	22.95"	

⁴ Monthly rainfall totals up to current date

⁵ Long-term average rainfall for the month (total)

⁶ Monthly deviation from average (calculated at the end of the month)

Additional Information



Become a fan of the [Finger Lakes Grape Program on Facebook](#), or follow us on [Twitter \(@cceflgp\)](#) as well as YouTube. Also check out our website at <http://flgp.cce.cornell.edu>.

Got some grapes to sell? Looking to buy some equipment or bulk wine? List your ad on the [NY Grape & Wine Classifieds website](#) today!

Cornell University Cooperative Extension provides equal program and employment opportunities. CCE does not endorse or recommend any specific product or service. This program is solely intended to educate consumers about their choices. Contact CCE if you have any special needs such as visual, hearing or mobility impairments.

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