



The Lake Erie Regional Grape Program



Crop Update June 15, 2017



2017 Concord Bloom

Photo courtesy of Dr. Terry Bates

Building Strong and Vibrant New York Communities

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Dates of interest:



Wednesday, June 21- Coffee Pot-

10:00am- North East Fruit Growers, 2297 Klomp Rd. North East PA 16428

3:00pm- Kirk Hutchinson Farm, 4720 West Main St. Fredonia NY 14063

see the full schedule located in this Crop Update.



Monday, July 10- Grape Market Order Public Hearing, CLEREL,
6:00pm-8:00pm

Tuesday, July 11- Grape Market Order Public Hearing, CLEREL,
10:00am-12:00pm



Wednesday, August 2, 2017- LERGP Twilight Meeting, Gravel Pit Park,
10300 W Main St. North East, PA 16428



Friday, August 11- LERGP Summer Grower Conference- come join us in
celebrating 25 years of service! See registration information at end of this Crop Update!



Saturday, August 12- LERGP Open House- We would like to invite our
neighbors to see what it is that we do here at CLEREL.



Saturday, August 19- LERGP Hops Production in the Lake Erie Region
Conference- see registration information at the end of this Crop Update

IPM

Tim Weigle, NYSIPM, Cornell University, LERGP Team Leader

Grape Berry Moth

One of the questions that we heard at both the Coffee Pot meetings yesterday (June 14, 2017) was “What’s berry moth going to be like this year?” Without having a crystal ball the best answer I have is what Jody Timer came up with at last week’s meeting, “If you had problems with grape berry moth last year, you will have problems with it this year as well”.

You would think with the cool wet spring we encountered across the region, conditions would not be conducive to grape berry moth. While it may have held back the overwintering generation a bit, I think we are seeing that conditions have shifted where sunny and warm temperatures have been seen several days in a row. And as we all know, insect development is tied directly to temperature, the cooler the weather the longer it takes to complete a life cycle from egg to egg-laying female while warmer temperatures shorten the time period needed to complete a life cycle.

With that said, it is important to know that the Phenology-based degree day model for grape berry moth that can be accessed via NEWA (<http://newa.cornell.edu>) the accumulation of degree days start once wild grape bloom has been discovered. The model will provide an estimated date of wild grape bloom which is determined using a database of phenology information from the Lake Erie region. The model also allows you the opportunity to input the date of wild grape bloom in the area around your vineyard. This allows you to fine tune the model to provide you with the best information possible.

The timing for management of the second generation (the first predicted by the model) is when 810 DD (base temperature of 47.17 F) have been accumulated. As you can see in Figure 1, we are well away from that level of accumulation, even when looking at the 5-day forecast for degree day accumulation. I would encourage you to continue checking the model on a regular basis to keep a handle on the progression to 810 DD as well as the helpful information on the status of the grape berry moth and timing of scouting. If you have not used NEWA before, take the time during the next rainy day to visit and click around to discover all the resources that are available for use in a vineyard IPM strategy.

Portland

Wild Grape Bloom:

Wild Grape Bloom date above is estimated based on degree day accumulations or user input. Enter the actual date for blocks of interest and the model will calculate the results more accurately.

Accumulated degree days (base 47.14°F) wild grape bloom through 6/15/2017: 327 (0 days missing)

Daily Degree Days for Portland								
Base Temp	Past	Past	Current	5-Day Forecast			Forecast Details	
	Jun 13	Jun 14	Jun 15	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20
47.14F - GBM	28	23	28	28	30	30	22	16
Accumulation	290	313	340	368	398	428	450	466

NA - not available

Download Time: 6/15/2017

Pest Status	Pest Management
First generation of grape berry moth larvae are hatching and beginning feeding. Grape berry moth will not be at significant population levels in all but the highest risk vineyards.	Research has shown that this insecticide timing for the first generation provides little, if any, additional control of grape berry moth in vineyards classified as being at low, intermediate or high risk for grape berry moth damage. However, an insecticide timed with the immediate postbloom fungicide application can be used in vineyards experiencing significant crop loss from grape berry moth on a yearly basis or in high value vinifera blocks.

Disclaimer: These are theoretical predictions and forecasts. The theoretical models predicting pest development or disease risk use the weather data collected (or forecasted) from the weather station location. These results should not be substituted for actual observations of plant growth stage, pest presence, and disease occurrence determined through scouting or insect pheromone traps.

PA Update

Andy Muza, Extension Educator, Penn State

In the Vineyard (6-15-17)

Diseases

Black Rot – black rot lesions were observed on Concord leaves for the first time this season (Figure 1). Black rot pressure was low last season, (due to the hot, dry weather) and inoculum levels should be low this year in most vineyards. However, don't ignore this disease when considering fungicide choices for the postbloom application.



Figure 1. Black Rot lesion on a Concord leaf

Powdery Mildew – small colonies of powdery mildew were also observed for the first time this season, on Concord leaves at a few sites checked yesterday (Figure 2).

Colonies of powdery mildew on the foliage, at this time in the season, will provide spores to infect new berries at this highly susceptible stage. As Wayne Wilcox points out in his article, **Grape Disease Control, 2017** "Berries are extremely susceptible to infections initiated between the immediate prebloom period and fruit set". "This is when you use the good stuff and don't even think about cutting

corners in terms of spray frequency and application technique."

If you remember last season, powdery mildew was prevalent on Concord clusters in a number of blocks throughout the region, about 2-3 weeks after bloom. I believe this was the result, for the most part, of stretching the postbloom application beyond 14 days from the immediate prebloom spray.

That said, the first POSTBLOOM spray should be applied 10-14 days after the IMMEDIATE PREBLOOM spray. This spray is extremely important for the protection of developing fruit from infections due to phomopsis, black



Figure 2. Powdery Mildew colonies on a Concord leaf

rot, downy and powdery mildew. Therefore, use fungicides which are effective against all 4 diseases. Consult Wayne's article **Grape Disease Control, 2017** and the **2017 New York and Pennsylvania Pest Management Guidelines for Grapes** for fungicide options.

Do Not extend this spray beyond 14 days from your IMMEDIATE PREBLOOM spray.

Insects

Rose Chafer - Vineyards with a history of rose chafer problems or blocks with sandy soils should continue to be scouted daily for at least another week. Even if an insecticide application has been applied scouting should be continued. Research on rose chafer from Ohio State recommends an insecticide application if a threshold of 2 beetles per vine is reached.

Insecticides for management of rose chafer (**2017 New York and Pennsylvania Pest Management Guidelines for Grapes**, page 77) include Assail, Danitol and Sevin.

North East PA Update

Bryan Hed, Research Technologist, Lake Erie Grape Research and Extension Center

Weather: The weather has certainly taken a turn toward the warmer, drier side; we have recorded just 0.5" of rain during the first half of June, having accumulated about 228 growing degree days during that period (almost as much as in the entire month of May). We now have 611 gdds as of April 1. There is rain in the 3 day forecast, with heavy thunderstorms predicted for Sunday, June 18 (Father's day), with temperatures remaining above average.

Phenology: Concord and Niagara went into bloom on June 12 at our location here by the lake. Fifty percent bloom was reached about two days later on June 14, and the warmth will move them through bloom relatively fast.

Diseases: We are seeing small amounts (very small amounts) of downy and powdery mildew and black rot on vines that have been left unsprayed (as indicators of the activity of pathogens). This is certainly nothing unusual, so no need to be alarmed. Especially in light of the fact that conditions have been relatively dry and there have been lots of opportunities to get sprays on in a timely manner. Growers just need to make sure they stay on schedule with their pre and post bloom fungicide applications. Make sure you do your best job with these two sprays, the most important disease management activity all year. This is a no brainer; use best materials you can afford, keep the interval between them to 10-14 days (absolutely no more than 14 days), spray every row, bump up gallonage for best coverage, etc. You should already have applied the immediate pre-bloom spray. Just make sure you get the next one on within 10-14 days. From there, reassess your situation by scouting, the weather forecast, and how well you were able to get sprays on up to that point. If you're lax during the two critical sprays around bloom, your risk of loss from disease will increase, possibly for the rest of the season, especially if conditions 'decide' to turn wet.



Bassett Healthcare Network
New York Center for Agricultural
Medicine and Health

The New York Center for Agricultural Medicine and Health (NYCAMH) is pleased to provide a respiratory fit testing clinic at the Cornell Cooperative Extension Lake Erie Regional Grape Program Office in Portland, NY from Monday, June 26-Wednesday, June 28. The clinic is by appointment only.

Scheduling appointments

If you would like to schedule appointment(s) for you and/or your employees, or for more information, please call NYCAMH at (800)343-7527. We can accommodate both English and Spanish speakers. Scheduling will be on a first-come, first-served basis. Don't worry though, since the clinic will span three days, we will be able to test many people. When you schedule your appointment, you will need to have the following information available:

- How many people will be fit tested?
- Number of Spanish speakers
- Brand and model of all masks you are using
- If you would like to purchase masks from NYCAMH

After you are scheduled

You will be sent a follow up letter and a request for a non-refundable \$25 deposit for each person that you schedule. This deposit will be applied toward the \$25 medical evaluation, and there will be no additional charges. Walks-ins may or may not be accommodated depending on the schedule. The fee is \$35 for walk-ins.

We can only fit test clean-shaven faces. No stubble, no exceptions.

If you cannot make the Lake Erie Regional clinic, we can place you on our waitlist and contact you again when future clinics are scheduled for your region.

Best regards,
Melissa Horsman
Project Coordinator

NYCAMH

One Atwell Road · Cooperstown, New York 13326

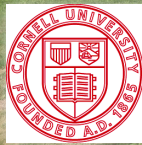
Ph (607) 547-6023/(800) 343-7527 • **Fax** (607) 547-6087 • **Web** www.nycamh.org

A program of Bassett Healthcare Network



Lake Erie Regional Grape Program

Open House



Cornell University
Cooperative Extension

Welcomes our neighbors, near and far, to come celebrate 25 years of service with us. We are holding an Open House with hayrides through the vineyards, food and a chance for us to let people know what we do here. This is a FREE event!

- **When: Saturday, August 12, 2017**
- **Time: 10:00am - 1:00pm (hayrides on the half hour)**
- **Where: CLEREL (Cornell Lake Erie Research & Extension Laboratory)**
6592 West Main Rd.
Portland, NY 14769

Questions? Call Katie at 716-792-2800



2017 eNEWA Grape Project Subscription Sign-Up

Subscriber information

Name _____

Email address _____

City _____

Select Location(s) (circle as many as you like, or write in below)

Lake Erie Region

Appleton, North

Appleton, South

Dunkirk

Erie

Harborcreek

North East Escarpment

North East Lab

Portland

Portland Escarpment

Portland Route 5

Ransomville

Ripley

Sheridan

Silver Creek

Versailles

Finger Lakes Region

Aurora

Branchport

Dresden (FLGP/FLCC)

Dundee (Weimer)

Fayette 3 Brothers

Geneva

Geneva (Bejo)

Hector

Interlaken (Airy Acres)

Lakemont

Lansing

Lodi (Lamoreaux)

Lodi (Shalestone)

Lodi (Standing Stone)

Penn Yan

Romulus (B. wood Grove)

Romulus (Thirsty Owl)

Varick (Swedish Hill)

Watkins Glen

Watkins Glen (Lakewood)

Select eNEWA Delivery Times (write in times below) Delivery requests should be on the hour.

Mail to: Tim Weigle, CLEREL, 6592 West Main Road, Portland, NY or scan and email to thw4@cornell.edu

Resources

- A **food bank near you** is one of the best resources to help you coordinate the donation of your surplus. In 2016, 13.2 million pounds of local food was donated to New York's **10 Regional Food Banks** who then donated their bounty to over 5,000 emergency food providers across the state.



- **New York State Association for Reduction, Reuse and Recycling, Inc.** has a food locator page listing the emergency meal sites in each region that you can also donate to: <https://www.nysar3.org/page/food-locators-130.html>
- Gleaning is the collection of fresh foods from farms, gardens and other sources. To learn more about gleaning support, contact your local **Cornell Cooperative Extension Office**.
- Milk is one of the *most requested items* by food bank clients, yet there is a dire shortage of milk donated. If you are a dairy farmer or processor, **call your local food bank today** to learn about the opportunity to donate.
- **Venison** is also in high demand in the emergency food system and farmers can make a donation by delivering a deer to a participating processor. Visit <http://www.venisondonation.com/> for more information.

Donating Your Harvest to Support Hungry New Yorkers

An Instructional Guide for Farmers on Donating Extra Food



We'll cover:

- ✓ **Becoming part of the solution**
- ✓ **Tax credit for farmers**
- ✓ **Resources to help you coordinate**



**Agriculture
and Markets**

The Problem

Studies show that unhealthy, heavily processed food is more affordable and easier to access than food that is fresh, healthy and locally grown.

2.67 million, or 13.5%, of New Yorkers are food insecure and hungry.

New York State's meal gap is 472 million, which means that New York State residents who experience food insecurity fall short of a nutritious diet by 472 million meals in a single year. (Feeding America, 2016).

Nutrition assistance helps close this meal gap each month, but is often not enough. Economic factors are forcing hungry New Yorkers to rely more heavily on supplemental sources of food. **Access to healthy, wholesome foods remain a challenge for these families, which makes your donation even more important.**

The Solution

As a farmer, you can help! Through community action, the coordination of food distribution, public investment in emergency food sites and recent State legislation, New Yorkers are committed to ensuring that everyone has access to the bounty grown and harvested in the state.

Donating product can happen in many ways. Farmers can donate directly to a food bank, which then delivers product to their network of pantries and soup kitchens. Farmers can also donate their product directly to a local food pantry or soup kitchen. Working with a gleaning team (gleaning is the collection of leftover crops from the field) and then donating product is another option.

When reaching out to a nonprofit to donate, it will be helpful to inquire about the following:

- Receipt for tax purposes
- Delivery logistics
- Packing requirements
- Specific products needed
- Capacity to coordinate gleaning (if applicable)

New York State Tax Credit for Farmers

Summary: Farm businesses in New York will be eligible to receive up to a \$5,000 tax credit annually for 25% of their donation measured at fair market value.

Who:

Donor: Farm businesses are eligible to receive a tax credit for donating food.

In order to be an 'eligible farm business,' your federal gross income from farming for the taxable year is two-thirds of excess federal gross.

Recipient: A 501 (c) (3) nonprofit, that includes a food bank, food pantry, soup kitchen or other emergency food site.

What:

Qualified donations can be made by farm businesses to eligible recipients (as listed above). The federal Good Samaritan Act defines a 'qualified donation' as *"apparently wholesome food," which means food that meets all quality and labeling standards imposed by Federal, State, and local laws and regulations even though the food may not be readily marketable due to appearance, age, freshness, grade, size, surplus, or other conditions.*

Farm businesses will need to request a receipt from the recipient that they can use to earn their tax credit at the end of the year.

When:

Starting on January 1, 2018

Where:

From farm businesses located in New York that donate their product to non-profits in New York State.

Why:

To help compensate farm businesses for some of the costs associated with increasing access to fresh, healthy food.



May 4, 2017

Double A Vineyards, Inc. is pleased to announce that we will be holding a **Summer Grape Conference and Field Day** on July 25, 2017 at the Clarion Hotel, Marina & Conference Center on the Lake Erie shoreline in Dunkirk, NY.

The morning session will include presentations on grape disease management, pesticide application technology, the development and importance of clean vines, and grapevine breeding, culminating in a wine tasting of new and promising cultivars. Following lunch, we will travel by bus for the afternoon session to tour Double A Vineyards' new nursery blocks planted from "clean" virus certified plant material developed by the National Clean Plant Network. Our morning speakers and Double A owners and staff will lead discussions and answer your questions on many aspects of managing the nursery.

The cost to attend is \$75.00, which includes lunch and the wine tasting. A room block is also available for those who would like to stay the night prior to or following the conference.

There is limited spacing so don't wait to reserve your spot!

Register now at www.doubleavineyards.com or by calling the office at [716-672-8493](tel:716-672-8493).

Thank you for your interest, and we hope that you will be able to participate in our exciting conference.

Sincerely,

Danielle Huber

Marketing Specialist
Double A Vineyards, Inc.





LERGP

2017 COFFEE POT MEETING SCHEDULE

Date	Time	Location	Address
May 3, 2017	10:00am	John Mason Farm	8603 West Lake Rd. Lake City, PA 16423
May 10, 2017	10:00am	CLEREL	6592 West Main Rd. Portland, NY 14769
May 17, 2017	10:00am	Brant Town Hall	1272 Brant Rd. Brant, NY 14027
May 24, 2017	10:00am	Peter Smith Farm	4472 Van Dusen Rd. Lockport, NY 14094
May 31, 2017	10:00am	Dan Sprague Farm	12435 Versailles Rd. Irving, NY 14081
June 7, 2017	10:00am	Betts' Farm	7365 East Route 20 Westfield, NY 14787
June 7, 2017	3:00pm	Archer Pratz Farm	9318 Lake Rd. North East, PA. 16428
June 14, 2017	10:00am	Jeff Schultz Farm	2707 Albright Rd. Ransomville NY 14131
June 14, 2017	3:00pm	Orton Farm	10646 West Main St. Ripley, NY 14775
June 21, 2017	10:00am	North East Fruit Growers	2297 Klomp Rd. North East, PA 16428
June 21, 2017	3:00pm	Kirk Hutchinson Farm	4720 West Main St. Fredonia, NY 14063
June 28, 2017	10:00am	Peter Loretto Farm	10854 Versailles Plank Rd. North Collins, NY 14111
June 28, 2017	3:00pm	David Nichols Farm	1906 Ridge Rd. Lewiston, NY 14092
July 5, 2017	10:00am	Leo Hans Farm	10929 West Perrysburg Rd. Perrysburg, NY 14129
July 12, 2017	10:00am	Szklenski Farms	8601 Slade Rd. Harbor Creek, PA 16421
July 19, 2017	10:00am	Liberty Winery	2861 Route 20, Sheridan, NY 14135



LAKE ERIE REGIONAL GRAPE PROGRAM- 25 Year Anniversary

2017 GRAPE GROWERS' SUMMER CONFERENCE REGISTRATION FORM

to be held at CLEREL

on Friday, August 11, 2017

Deadline for registration is Friday, August 4, 2017

Name (1st attendee) _____ \$ _____

Farm Name _____

Address, City, State, Zip Code _____

Phone _____ E-mail _____

Are you enrolled in Lake Erie Regional Grape Program (LERGP)? Yes _____ No _____

REGISTRATION FEES

LERGP Member attendee	\$ 20.00
Non- member	\$100.00

Additional Attendees:

	\$20.00
	\$20.00
	\$20.00
	\$20.00
	\$20.00

*Please add a **\$20.00 late fee** for each reservation made after August 4, 2017

TOTAL \$ _____

Please make check payable to **LERGP (Lake Erie Regional Grape Program)** and mail to: Kate Robinson
(US funds only) LERGP
6592 W Main Rd
Portland NY 14769

Name _____ NY DEC/PA PDA NUMBER _____

Name _____ NY DEC/PA PDA NUMBER _____

Name _____ NY DEC/PA PDA NUMBER _____

<u>Date Ck. Rec'd</u>	<u>Amount</u>

Call Kate at 716-792-2800 ext 202 with any questions.



Hops Production in the Lake Erie Region
Saturday, August 19, 2017
CLEREL
6592 West Main Rd
Portland NY 14769
9:00am-4:00pm



Grower Registration Fee- \$50.00- includes, program, morning refreshments and catered lunch

Please provide the following information:

Farm Name: _____

Name: _____

Mailing Address: _____

City, State, Zip Code: _____

E-mail: _____ Telephone: _____

Names of additional attendees:

\$50.00

\$50.00

\$50.00

Total: _____

Payment type: _____

Received: _____

Questions? 716-792-2800

Please send to:
Attn: Kate Robinson
Lake Erie Regional Grape Program
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Portland, NY 14769



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Tractorsales@netsync.net

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HOURS OF OPERATION:
MONDAY - FRIDAY 8:00AM - 5:00PM
SATURDAY 8:00AM - NOON



LERGP Links of Interest:

Go to <http://lergp.cce.cornell.edu/> for a detailed calendar of events, registration, membership, and to view past and current Crop Updates and Newsletters.

LERGP Web-site:

<http://lergp.com/>

Cornell Lake Erie Research & Extension Laboratory Facebook page

<https://www.facebook.com/Cornell-Lake-Erie-Research-and-Extension-Laboratory-678754995584587/?fref=ts>

Efficient Vineyard Web-site:

<https://www.efficientvineyard.com/>

Table for: Insecticides for use in NY and PA:

<http://lergp.cce.cornell.edu/submission.php?id=69&crumb=ipm|ipm>

Crop Estimation and Thinning Table:

http://nygpadmin.cce.cornell.edu/pdf/submission/pdf65_pdf.pdf

Appellation Cornell Newsletter Index:

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/appellation-cornell/>

Veraison to Harvest newsletters:

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/veraison-to-harvest/index.cfm>



Lake Erie Regional Grape Program Team Members:

Andy Muza, (ajm4@psu.edu) Extension Educator, Erie County, PA Extension, 814.825.0900

Tim Weigle, (thw4@cornell.edu) Grape IPM Extension Associate, NYSIPM, 716.792.2800 ext. 203

Kevin Martin, (kmm52@psu.edu) Business Management Educator, 716. 792.2800 ext. 205

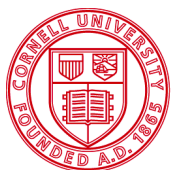
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Cornell University Cooperative Extension provides equal program and employment opportunities.

Contact the Lake Erie Regional Grape Program if you have any special needs such as visual, hearing or mobility impairments.

CCE does not endorse or recommend any specific product or service.

THE LAKE ERIE REGIONAL GRAPE PROGRAM at CLEREL
6592 West Main Road
Portland, NY 14769
716-792-2800



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