



*Vineyard Awakening-  
Jennifer Phillips Russo*

## CROP UPDATE

### March 25, 2021

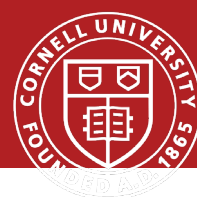


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Lake Erie Regional Grape Program



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## In this Crop Update:

- Bud Hardiness Update- Jennifer Phillips Russo
- Pesticide Credit and Webinar Opportunities- Andy Muza
- Information For You- Kate Robinson

Check out this Appellation Cornell Article by Dr. Terry Bates, Rhiann Jakubowski and Dr. James Taylor:

[Measure and Manage Crop Load to Reach Your Vine Balance Targets](#)

*The Lake Erie Regional Grape Program is a Cornell Cooperative Extension partnership between Cornell University and the Cornell Cooperative Extensions in Chautauqua, Erie and Niagara county NY and in Erie County PA.*

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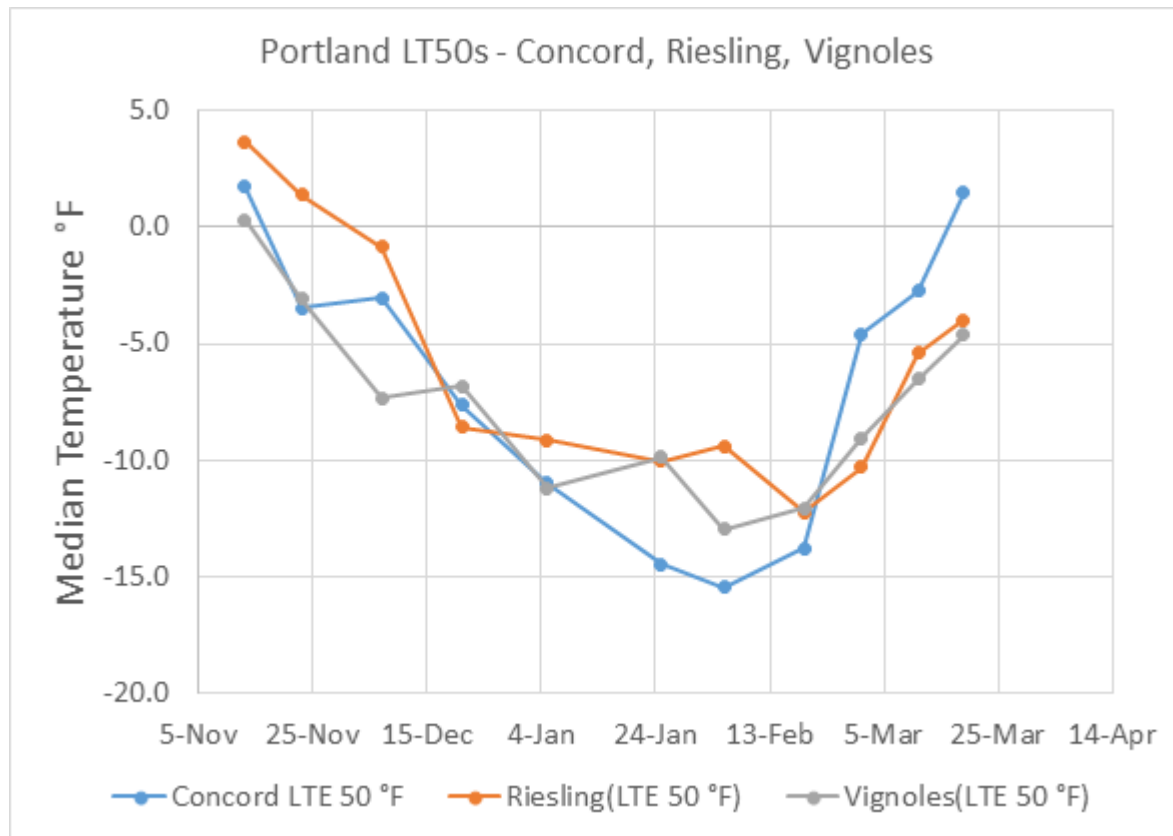


# Viticulture

Jennifer Russo, Viticulture Extension Specialist, LERGP

## Bud Hardiness Update

Please be sure to check the [Lake Erie Regional Grape Program's website](#) to check bud hardiness data; our data is current through 3/19/21 and this week's samples will be collected on 3/26/21. All data from the growing season is pooled here in the below graph across all treatments. The blue colored line represents the LTE50 for Concord, the red line is Riesling, and the grey line represents Vignoles. This information displays that Concord is deacclimating fast, Riesling and Vignoles are deacclimating a bit slower.



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The table below has the most recent TE50 data for each treatment in this year's bud hardiness and cropping level trials.

Date	Treatment	LTE 50 °F
3/19/2021	Concord High	0.72
	Concord Low	2.28
	Riesling 15 bud Cane	-6.05
	Riesling 5 bud Spur	-6.77
	Riesling 2 bud Spur	-5.60
	Riesling Control	-3.35
	Riesling High Crop/Early Drop	-3.24
	Riesling High Crop/Mid-season Drop	-3.96
	Riesling High Crop/Late Season Drop	-5.17
	Riesling Medium Crop/Early Drop	-4.23
	Riesling Medium Crop/Mid-season Drop	-2.81
	Riesling Medium Crop/Late Drop	-4.86
	Riesling Low Crop/Early Drop	-5.17
	Riesling Low Crop/Mid-season Drop	-5.03
	Riesling Low Crop/Late Drop	-2.11
	Vignoles High Crop/Early Drop	-10.68
	Vignoles High Crop/Mid-season Drop	-7.24
	Vignoles High Crop/Late Season Drop	-7.80
	Vignoles Medium Crop/Early Drop	-3.44
	Vignoles Medium Crop/Mid-season Drop	-2.27
	Vignoles Medium Crop/Late Drop	-0.47
	Vignoles Low Crop/Early Drop	-8.50
	Vignoles Low Crop/Mid-season Drop	-4.07
	Vignoles Low Crop/Late Drop	2.95

#### Phenological Resources:

- [Spotted lanternfly experts debunk myths about the prodigious, pestilent pest](#) | Amy Duke, Pennsylvania State University



## Regional Resources & Activities:

- **(Upcoming)** [Airblast 2021: Optimizing Canopy Sprayers, Day 1](#) | US/Canadian Spray Application Working Group and University of California Cooperative Extension | Mar-29
- **(Upcoming)** [Airblast 2021: Optimizing Canopy Sprayers, Day 2](#) | US/Canadian Spray Application Working Group and University of California Cooperative Extension | Mar-30
- **(Upcoming)** [Penn State 2021 Vineyard Pest Management Series - Spotted Lanternfly Update](#) | Heather Leach, Extension Associate, Penn State; Michela Centinari, Associate Professor of Viticulture, Penn State; and Flor Acevedo, Assistant Professor of Entomology | Mar-30
- [Penn State 2021 Vineyard Pest Management Series - Vineyard Pest Management: Conventional and Alternative Vineyard Floor and Weed Management](#) | Lynn Sosnoskie, Assistant Professor of Weed Ecology and Management for Specialty Crops, Cornell University, and Alice Wise, Senior Educator, Viticulture, Cornell University | Mar-31
- [Penn State 2021 Vineyard Pest Management Series - Disease and Insect Updates](#) | Bryan Hed, Grape Pathology Research Technologist, Penn State, and Rufus Isaacs, Professor of Entomology, Michigan State University | Apr-01
- [Webinar: Game-Changing Innovations Every Small Winery Should Know \(registration not yet open\)](#) | Clark Smith, WineSmith Consulting, Santa Rosa California | Apr-14
- [Webinar: Towards clean fruit and foliage: new findings on resistance management and spray scheduling to manage grapevine diseases \(registration not yet open\)](#) | Mengjun Hu, assistant professor, University of Maryland, and Tim Miles, assistant professor, Michigan State University | Apr-28
- **(Your input requested)** [NYWGF Grower Sustainability Survey](#) | New York Wine & Grape Foundation



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# PA Update

Andy Muza, LERGP Extension Team & Penn State Extension- Erie County

## Pennsylvania Growers –

### Is Your Pesticide License Expiring on March 31, 2021?

*If you need either Core or Category Credits by the Wednesday, March 31, 2021 deadline the following Recertification Courses are available:*

#### **On-Line Pesticide Recertification Credits**

[Penn State Extension \(pestcredits\)](#) has a dedicated web page for recertification credits. This new web page can also be searched by education format (such as online courses, webinars, conferences, and workshops) and also by category--look along the left-hand side to select the options you want. Another thing to note on this page, if a price is not shown under the title, then it is not available at this time. However, you may be able to provide your email for those courses, and when it becomes available again you will be sent an email.

[Keeping Pesticides Out of Groundwater](#) – available now – **2 credits (core)** - \$25

[Personal Protective Equipment for Pesticide Applicators](#) – available now – **1 credit (core)** - \$15

[Winterizing Pesticide Sprayers](#) – available now – **1 credit (core)** - \$15.

[PaPlants \(www.paplants.pa.gov\)](http://www.paplants.pa.gov) is the complete database of all approved recertification courses, including the online courses, managed by the Pennsylvania Department of Agriculture. Select Online or Webinar as the Meeting Type and the category that you need. Click on Search and see the list of available courses or webinars. Many opportunities are available for most categories!

#### **Correspondence Courses**

**Correspondence Courses (Workbooks)** are another way that applicators can earn some recertification credits. Applicators choosing this method will be mailed a workbook, which they will need to read and complete activities and/or review questions. Then you will take a quiz on the material and mail the quiz back to Penn State for grading. If you pass, you will receive a completion certificate in the mail and we will notify the Pennsylvania Department of Agriculture that you passed. If you fail, we will send you a different quiz, and you can take the quiz a total of three times.

Workbooks are sold at \$10. There is free shipping **through March 31, 2021**, but after that shipping will be added.

#### **Category Options:**

[Pumpkin Diseases](#) - **Category Credits (2) - Private Category, and Categories 03 and 18**

[Forage Diseases](#) - **Category Credits (2) - Private Category, and Categories 01 and 18**

[Tomato Diseases](#) - **Category Credits (2) - Private Category, and Categories 03 and 18**

#### **Core Options:**

[Pesticide Spill Protocol](#) - **Core Credits - 2**

[Pesticide Record Keeping](#) - **Core Credits - 2**

[Adjuvants and Pesticides](#) - **Core Credits - 2**

[Pollinators and Pesticides](#) (1 core credit) - **Core Credits – 1**

## UPCOMING WEBINARS –

### **2021 Vineyard Pest Management Series**

Below are three webinar registration pages that constitute the **2021 Vineyard Pest Management Series**. These will be held on March 30 and 31 and April 1.

#### **Spotted Lanternfly Update** - (FREE - but registration is required).

The **2021 Vineyard Pest Management Series - Spotted Lanternfly Update** will review the latest information on spotted lanternfly management in vineyards. As well as present research findings on potential damage to grapevines, management options, and other observations from the 2020 field season. A brief overview will be given on future Spotted Lanternfly research that will start in summer 2021 in Southeast Pennsylvania.

**WHEN:** Tuesday (March 30) from 10 AM – 12 PM.

**PDA Pesticide Recertification Credits:** PDA has approved this webinar for 4 category credits (Categories - Private, 02, 18).

#### **Conventional and Alternative Vineyard Floor and Weed Management** - (FREE - but registration is required).

The **2021 Vineyard Pest Management Series - Conventional and Alternative Vineyard Floor and Weed Management** session will review alternative under-vine management strategies as well as conventional weed management options with herbicides. Benefits, drawbacks, and best management practices for mowing, cultivation, and using perennial under-vine cover crops will be discussed. Herbicide options for the management of weeds in vineyards will be discussed in addition to how herbicide choices and programs should be refined based on the specific weeds (e.g., annual, perennial, glyphosate resistant) observed in your vineyard.

**WHEN:** Wednesday (March 31) from 10 AM – 12 PM.

**PDA Pesticide Recertification Credits:** PDA has approved this webinar for 4 category credits (Categories - Private, 02, 18).

#### **Disease and Insect Updates** - (FREE - but registration is required).

The **2021 Vineyard Pest Management Series - Disease and Insect Updates** will review vineyard disease and insect management considerations for the 2021 growing season. As well as disease and insect management findings from 2020. An update will also be given on current pesticides registered for grapes.

**WHEN:** Thursday (April 1) from 10 AM – 12 PM.

**PDA Pesticide Recertification Credits:** PDA has approved this webinar for 4 category credits (Categories - Private, 02, 18).

### **2021 Pest Management Spray Schedule – What's Your Plan?**

**(COST - \$10. Registration is required).**

**To Register** - **Speakers:** *Bryan Hed*, Research Technologist (Plant Pathology), Lake Erie Regional Grape Research and Extension Center, Penn State; *Andy Muza*, Lake Erie Regional Grape Program Extension Team & Penn State Extension - Erie County, PA.

**WHEN:** Wednesday (April 21) from 10 AM – 12 P.M.

#### **Agenda Information**

This meeting is intended to be interactive so that growers will have the ability to ask questions concerning specific pest problems or potential problems in the 2021 season. **Topics that will be addressed include:** timing of spray applications at critical growth stages; pesticide options, efficacy; and resistance management. **Pesticide Recertification Credits:** Pending PDA and NY DEC approval.



# Information for you

Kate Robinson, Administrative Assistant, LERGP

## Vineyard Nutrition Survey

Patty Skinkis from Oregon State University has asked that we distribute this survey to Western NY Grape growers. It is part of the HiRes Vineyard Nutrient Management Project. You can read more about this project by clicking the link below.

We greatly appreciate your participation in this survey.

[Vineyard Nutrition Survey](#)

A multi-institutional research team involved in the HiRes Vineyard Nutrient Management Project seeks to understand current vineyard practices and the technologies that may be used for improving nutrient management practices. They invite all commercial grape growers, consultants, and vineyard management companies from the wine, table, raisin, and juice grape industries across the US to complete a survey. The survey will gather input on what, how, and why nutrient practices are used in vineyards. Make sure your state and grape sector are represented--participate today!

If you have any questions about the survey or the research, please contact Patty Skinkis, Oregon State University, or Markus Keller, Washington State University.



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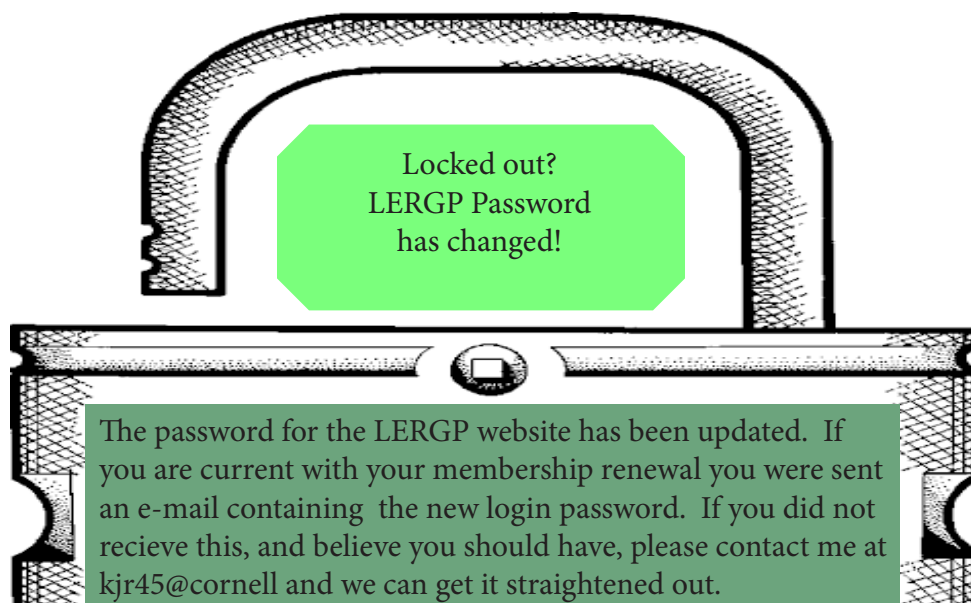
## Coffee Pot Meeting Season is around the corner!

Coffee pot season is just ahead. It is true that we are not cleared to have in person meetings just yet, but we have dates and times for our virtual meetings scheduled. Take a peek at the schedule. You will notice that we have incorporated an evening meeting every third Wednesday to switch things up a little and hopefully allow for attendance for some who can not normally do so.

When things start to resume to some normalcy, and we are cleared to have in person meetings, it is our intention to have some in person events. We will communicate that as soon as we know anything more.

For now, we look forward to seeing you at the virtual events. Keep reading our Crop Updates and e-mails for more information as we get closer. There will be registration and information gathering requirements that we will need to work through for Pesticide Credits.

Date	Time	Name	Address
May 5, 2021	10:00am	2021 LERGP Coffee Pot Meeting #1	Virtual Platform - Zoom
May 12, 2021	10:00am	2021 LERGP Coffee Pot Meeting #2	Virtual Platform - Zoom
May 19, 2021	7:00pm	2021 LERGP Coffee Pot Meeting #3	Virtual Platform - Zoom
May 26, 2021	10:00am	2021 LERGP Coffee Pot Meeting #4	Virtual Platform - Zoom
June 2, 2021	10:00am	2021 LERGP Coffee Pot Meeting #5	Virtual Platform - Zoom
June 9, 2021	10:00am	2021 LERGP Coffee Pot Meeting #6	Virtual Platform - Zoom
June 16, 2021	7:00pm	2021 LERGP Coffee Pot Meeting #7	Virtual Platform - Zoom
June 23, 2021	10:00am	2021 LERGP Coffee Pot Meeting #8	Virtual Platform - Zoom
June 30, 2021	10:00am	2021 LERGP Coffee Pot Meeting #9	Virtual Platform - Zoom
July 7, 2021	10:00am	2021 LERGP Coffee Pot Meeting #10	Virtual Platform - Zoom
July 14, 2021	10:00am	2021 LERGP Coffee Pot Meeting #11	Virtual Platform - Zoom
July 21, 2021	7:00pm	2021 LERGP Coffee Pot Meeting #12	Virtual Platform - Zoom
July 28, 2021	10:00am	2021 LERGP Coffee Pot Meeting #13	Virtual Platform - Zoom



# Other links of interest:

[LERGP Web-site:](#)

[Cornell Cooperative Extension website:](#)

[Cornell CALS Veraison to Harvest Newsletter:](#)

[Efficient Vineyard:](#)

[Appellation Cornell Newsletter:](#)

## **COVID-19 resources:**

Need information? View the following Cornell CALS and CCE Resource Pages Updated Regularly

General Questions & Links:

<https://eden.cce.cornell.edu/>

Food Production, Processing & Safety Questions:

<https://instituteforfoodsafety.cornell.edu/coronavirus-covid-19/>

Employment & Agricultural Workforce Questions:

<http://agworkforce.cals.cornell.edu/>

Cornell Small Farms Resiliency Resources:

<https://smallfarms.cornell.edu/resources/farm-resilience/>

Financial & Mental Health Resources for Farmers:

<https://www.nyfarmnet.org/>

Cornell Farmworker Program

[www.farmworkers.cornell.edu](http://www.farmworkers.cornell.edu)

[www.trabajadores.cornell.edu](http://www.trabajadores.cornell.edu) (en espanol)

