

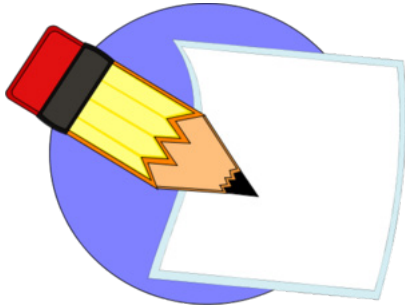


**Building Strong and Vibrant New York Communities**

*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.*

# Register Today!!

Wednesday, March 15, 2017-  
Annual Winter Grape Grower Conference



Register:

Use the registration form on next page or register on-line using the following link:

[https://lergp.cce.cornell.edu/event\\_preregistration.php?event=281](https://lergp.cce.cornell.edu/event_preregistration.php?event=281)



2017 Lake Erie Regional Grape Program Growers' Conference

March 15, 2016

Williams Center, SUNY at Fredonia Campus

6:30 AM	Tradeshow set up begins
7:00 AM	Registration and Tradeshow open
8:00 AM	Welcome
8:10 - 8:30 AM	Overview of SCRI Project <i>Mark Amidon, National Grape Cooperative, Luis Sanchez, Gallo Wine Company</i>
8:30 – 9:15 AM	Effective Vineyard, Year One Results <i>Dr. Terry Bates – Lake Erie Regional Grape Program, CLEREL Director</i>
9:15 – 10:00 AM	Precision Vineyard Imaging <i>Dr. Stephen Nuske, Carnegie Mellon University</i>
10:00 – 10:30 AM	Break
10:30 – 11:15 AM	Collecting, Processing and Providing Info for Variable Rate Management <i>Jackie Dresser, Newcastle University and Rhiann Jakubowski, Lake Erie Regional Grape Program</i>
11:15 – Noon	Efficient Vineyard Roundtable <i>Thom Betts and Tracy Beckman and Efficient Vineyard Project Leaders</i> Moderated by Luke Haggerty
Noon	Excellence in IPM Award Presentation
12:10 – 1:30 PM	Lunch and Visit Tradeshow
1:30 – 1:45 PM	Climate Smart Farming Luke will provide name of speaker
1:45 – 2:15PM	Crop Insurance and Risk Management <i>Kevin Martin, Business Educator, Penn State University</i>
2:15 - 2:45PM	Update on Changes in the Worker Protection Standard Regulations <i>Michael Nierenberg, NYS Department of Environmental Conservation</i>
2:45 –3:15PM	Respirator Fit Training and Other Requirements of WPS for Vineyard Owners <i>James Carrabba, New York Center for Agricultural Medicine and Health</i>
3:15 – 3:45 PM	Overview of Grape Insect Pests <i>Dr. Mike Saunders, Penn State University</i>
3:45 – 4:15 PM	NEWA <i>Dan Olmstead, NYS IPM Program, Cornell University</i>
4:15P	Adjourn

# LAKE ERIE REGIONAL GRAPE PROGRAM

## 2017 GRAPE GROWERS' CONFERENCE REGISTRATION FORM

to be held at SUNY Fredonia Williams Center

on Wednesday, March 15, 2017

**Deadline for registration is Friday, March 3, 2017.**

Name (1<sup>st</sup> 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 1 <sup>st</sup> attendee	\$ 50.00
Additional attendee on same farm	\$ 40.00
Non- member	\$100.00

### Additional Attendees:

	\$
	\$
	\$
	\$
	\$

\*Please add a **\$25.00 late fee** for each reservation made after March 3, 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.

# Business Management

Kevin Martin, Penn State University, LERGP, Business Management Educator

## Vineyard Planting Costs

Within the last week both a grower and a researcher wanted to know the cost of planting or replanting a vineyard. Demand for old wine varieties has been increasing. With the decline in Concord and Niagara demand, it is likely that some existing vineyards will be replanted over the next three years.

Supplies	Cost
Total	3024.25
Wood End Posts	\$160
Wood Grape Posts	\$1,155
Wire	\$300
Misc. Supplies	\$20
Anchors	\$180
Vines	\$1,037
Grow Tubes (?)	\$173
Labor & Installation	\$350

A grower can make different decisions when it comes to trellis construction and vine type. However, as long as the trellis is designed to be a top wire cordon system, the cost of supplies will be \$3,000, plus or minus \$300. In the case of a replant, salvaging wood posts could likely reduce costs to \$2,400.

Labor and machinery hours for planting and trellis construction are not insignificant falling in the range of \$300 - \$500 per acre. The range is a result of growers reporting widely different methods for post installation and planting speed.

The cost of site preparation is also variable. Adequate drainage is extremely important to long-term efficiency and sustainability. For some, adequate drainage has already been paid for. Drainage has been installed, or the soil is naturally

drained. For others drainage installation will cost 2,000 – 4,000 per acre. The method of installation and amount of excavation work determine whether it is a high-cost or low-cost drainage project. As an alternative, similar amounts could be spent on investing in a gravel site. Site preparation also ranges between \$30 - \$400 per acre. Letting ground lie fallow, or planted to a field crop can take care of much, if not all, of site preparation costs.

In conclusion, an acre of Concord grapes may be planted for less than \$3,000. A variety of contributing factors could allow that cost to drift upward to \$7,900 per acre. Controlling costs and negotiating favorable site preparation arrangements are important. However, drainage, quality sites and quality trellis materials remain good long-term investments.



Proudly Representing  
**Diversified**  
Crop Insurance Services



### Helping farmers to protect their revenue and preserve their equity.

I will show you how crop insurance is a vital part of your overall risk management plan. Utilizing the policy that works best for your unique situation, you can take less risk and enjoy a better quality of life.

**Mark C. Muir Agency**  
Mark C. Muir

*Serving clients in NY, OH, and PA*  
10509 Route 6 • Union City, PA 16438-9707  
Phone: (814) 397-0033

DCIS - Toll Free: (866) 669-3429 • Email: info@diversifiedservices.com | Diversified Crop Insurance Services is a company of CGB Enterprises, Inc. and is an Equal Opportunity Provider. #6590\_030416

# Cultural Practices

Luke Haggerty, Viticulture Extension Associate, Lake Erie Regional Grape Program

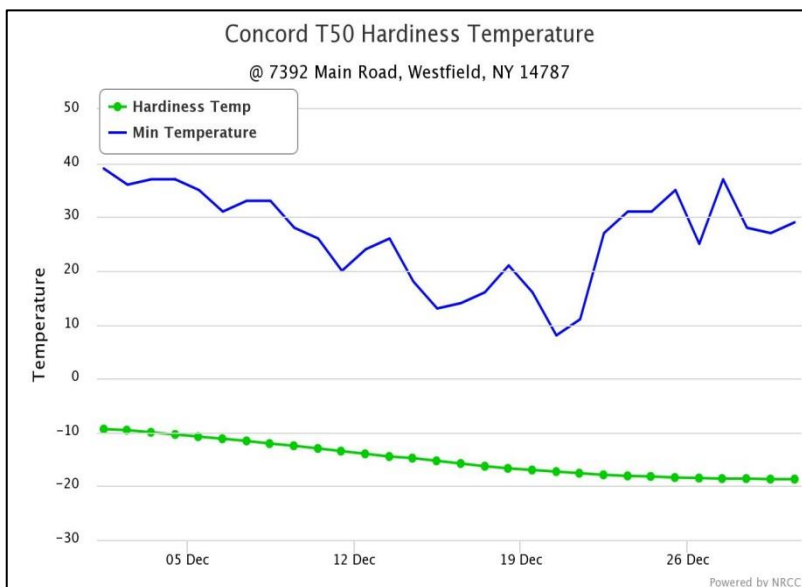
## New Bud Hardiness Tool

The Climate Smart Farming Extension Team provides resources related to economic development, grapes, dairy, small fruits, vegetables, integrated pest management, field crops, and soil health issues - answering farmers' questions about climate variability and farm management. Climate Smart Farming tools, practices, and training programs are being developed to encourage wider adoption of climate change adaptation and mitigation practices to sustainably increase farm productivity and incomes.

Adding new and innovative tools that serve the agricultural industry is a priority for this team. In October, a 'Grape Hardiness Tool' was added to the CSF website

<http://climatesmartfarming.org>.

This new tool can be used to determine levels of freeze injury to grapes as a result of weather conditions and stage of plant development.



### How do I use this tool?

1. Input your location by navigating to your desired spot on the pop-up map, after clicking "Change Location"
2. Use the control panel on the left to input your species and variety
3. Once this information is set, your graph will appear
4. Toggle between "Seasonal Outlook" and "Recent Trend" graphs

After you have set your crop variety and location, the graph on the right will automatically update with the hardiness level corresponding to your specific variety, and the observed daily minimum temperature observed at your selected location. If the blue minimum temperature crosses into the red hardiness line, buds are at risk for freeze damage and you should take proper precautions. Expected hardiness and minimum temperatures are also shown into the future based on weather forecasts to help you anticipate potentially damaging periods. Hovering over the graph on a particular day allows you to see the values associated with each specific date. You can also toggle between season to date and recent trend.

*This tool is currently in the last phase of development, and will be available for the entire Northeast in the coming weeks with data for the 2016 growing season. The interactive tool above represents specifically chosen locations, with a location in Maine chosen as the display location to show what a damaging freeze event looks like.*



# IPM

Tim Weigle, NYSIPM, Cornell University, LERGP Team Leader

## Pesticide Recertification Credits Available On-line

This is typically the time of year we hear from growers who need one or two credits in a relatively short amount of time to be able to renew their New York or Pennsylvania Pesticide Applicators license. For those that can wait until the middle of March, the LERGP Growers' Conference will be held on March 15 and the agenda we are applying to receive 2 NY and 4 PA pesticide recertification credits for attendance.

If you can't wait that long, or you need the ever elusive core credit, you can sit in the comfort of your own home (if you own a computer and have an internet connection) or your public library and take as many as 33 courses to receive anywhere between 0.5 – 2.0 credits per course. There are eleven courses available that provide PDA core credits (8 provide NY Core Credits) upon completion. The cost of the courses seem to be about \$30 per NY DEC credit (which should equate to 2 PDA credits). Make sure you read all directions on the website to ensure that you receive the proper credits.

These courses are available through the Distance Learning Center, a partnership between Cornell's Pesticide Management Education Program (PMEP) and the NYS IPM Program found at <http://pmepcourses.cce.cornell.edu/>. States accepting Distance Learning Center Credits include; New York, Pennsylvania, Vermont, Maine, Maryland, Massachusetts, New Hampshire, Rhode Island, Connecticut, and West Virginia. To get a detailed list of credits and certification categories as approved by each state, visit the home page and click on a specific state. For example, as shown in the figure on the next page, there are a number of educational opportunities for those holding a PA applicators license.

Pennsylvania also provides an on-line way to receive core credits. Penn State provides users 8 courses to receive core credits on its Online Recertification Courses webpage, <http://extension.psu.edu/pests/pesticide-education/applicators/recertification/online-courses>

Cost for these courses are: 1 Core credit is \$20 and e Core credits is \$35. **NOTE:** Currently these courses provide recertification credits only for Pennsylvania, Maryland, and in some cases, West Virginia at this time. We always encourage your participation in person at our educational events so we have the opportunity to learn from you as well. However, if you find yourself getting down to the wire for recertification, try the Distance Learning Center as a cost-effective means of earning credits and learning information that can be used in your vineyard IPM operation.

**APPROVED INTERNET COURSES FOR PENNSYLVANIA**

**RECERTIFICATION TRAINING -  
PMEP DISTANCE LEARNING CENTER**

td>Cornell University

Pennsylvania Course numbers and Credits (Pennsylvania 1 credit is equal to 30 minutes of training)

COURSE NUMBER and NAME	SPONSOR	COURSE NO	CREDITS	CATEGORIES
Module 4: Toxicity of Pesticides	Cornell University	0012MA	2	00-Core
Module 6: Ecology and Environment	Cornell University	0012MH	2	00-Core
Module 7: Safety Precautions with Pesticides	Cornell University	0012MB	2	00-Core
Module 8: Personal Protection	Cornell University	0012MC	2	00-Core
Module 20: Weatherwise Application	Cornell University	NA	NA	NA
Module 21: Pesticide Disposal	Cornell University	NA	NA	NA
Module 22: Pesticide Storage	Cornell University	0012MF	1	00-Core
Protecting Water from Pesticide Pollution	Cornell University	0012MZ	3	00-Core
Swede Midge Biology and Management	Cornell University	0012MX	2	PC, 03, 18
Insect Biocontrol	Cornell University	0012ME	2	PC, 01, 18
Ecology of Weed Management	Cornell University	0012M7	2	PC, 01, 03, 18
Mechanical Weed Management	Cornell University	0012MJ	2	00-Core
Sweet Corn IPM	Cornell University	0012MQ	2	03, 18
Beating Phytophthora Blight	Cornell University	0012MM	2	PC, 03, 18
Scouting Basics – How's and Why's	Cornell University	0012MP	2	PC-01, 18
Introduction to Developing IPM Strategies	Cornell University	0012ME	2	PC, 01, 02, 03, 05, 06, 07, 18
Introduction to NEWA & Its Use In IPM	Cornell University	0012MY	2	PC, 01, 02, 03, 06, 18
Nozzle Selection & Calibration in Orchard Canopy Sprayers	Cornell University	0012MV	3	00-Core
Nozzle Selection & Calibration in Vineyard Canopy Sprayers	Cornell University	0012MW	3	00-Core
Detection & Management of the Brown Marmorated Stink Bug	Cornell University	0012MN	NA	PC, 01, 02, 03, 05, 18, 23
Detection & Management of the Emerald Ash Borer	Cornell University	0012QW	NA	05, 08, 18, 23
Weed Suppressive Groundcovers	Cornell University	NA	NA	NA
Bed Bugs Part 1 - Introduction to Bed Bugs and Their Behavior	Cornell University	0012ND	1	11, 18, 18
Bed Bug Part 2 – Inspection	Cornell University	0013Q4	2	11,18,18,23
Bed Bugs Part 3 - Integrated Management	Cornell University	00169G	2	11,18,18,23
Effective Spraying with Backpack Sprayers	Cornell University	0012MB	2	00-Core
Effective Spraying with Boom Sprayers	Cornell University	0012MB	2	00-Core
Asian Soybean Aphid Integrated Pest Management on Soybeans	Cornell University	0016AA	2	PC-01, 18
Current Status of Herbicide Resistance in Weeds	Cornell University	00130Z	1	PC,01,02,03,05,06,07,09,10,17,18,22,23
How Herbicides Work	Cornell University	01310	2	00-Core
What is Herbicide Resistance?	Cornell University	001311	2	PC,01,02,03,05,06,07,09,10,17,18,23
Scouting After a Herbicide Application & Confirming Herbicide	Cornell University	001312	2	PC,01,03,18
Principles of Managing Herbicide Resistance	Cornell University	001313	2	PC,01,02,03,05,06,07,09,10,17,18,22,23
Pasture Fly Management on the Dairy	Cornell University	001CVB	2	PC,04,18
Fly Control on the Dairy: Barn Fly IPM	Cornell University	001CVC	2	PC,04,18
IPM for Foliar Diseases of Soybeans	Cornell University	001CVD	2	PC,01,18





The Only FRAC Group U6 Fungicide  
 Labeled for Grapes & Cucurbits  
 Highly Effective on Powdery Mildew  
 No Cross-Resistance  
 Protectant / Preventative Action



FRAC Group 3  
 Labeled for Grapes  
 Controls Powdery Mildew & Black Rot  
 Protectant + Curative Activity  
 Highly Systemic



**Badge X<sub>2</sub>**   
 Fungicide/Bactericide  
 High Quality Copper  
 Excellent Mixing Characteristics  
 Highly Active at Lower Rates  
 Enhanced Crop Safety



Mite control on Grapes  
 Knockdown and Residual

Dave Pieczarka  
 315.447.0560



Torino® is a registered trademark of Nippon Soda Company, LTD. EPA Reg No 80333-103-10163. Mettler®, Badge® SC, Badge® X<sub>2</sub> are registered trademarks of Isagro USA. Mettler EPA Reg No 80289-8, Badge SC EPA Reg No 80289-3, Badge X<sub>2</sub> EPA Reg No 80289-12. NeXter is a trademark of Nissan Chemical Industries. EPA Reg No 81880-4-10163. Always read and follow label directions



10401 Sidehill Road  
 North East, PA 16428  
 814-725-3102  
[www.cloverhillsales.com](http://www.cloverhillsales.com)



Harvester Parts and Belting  
 Southern Yellow Pine Posts  
 And So Much More!!

Brookside Society  
 of Professional Consultants

DAVID J. MAILLE  
 Consultant  
 Phone: (814) 898-0755  
 Cell: (814) 572-5781  
[maillcon@aol.com](mailto:maillcon@aol.com)

**MAILLE CONSULTING SERVICES**  
 Agricultural-Environmental

Jared Mosier  
 Phone: (301) 512-3977  
[jmosier1@gmail.com](mailto:jmosier1@gmail.com)  
 7653 Dutton Rd.  
 Harborcreek, PA 16421

## LERGP Website Links of Interest:



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

SCRI project 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](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>

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.

**BOLD.  
POWERFUL.  
NARROW.**

**THE NEW T4F AND T4V SERIES TRACTORS COMBINE A BOLD NEW STYLE WITH MORE POWERFUL FEATURES IN A STREAMLINED DESIGN THAT'S IDEAL FOR NARROW ROWS.**

Introducing the new face of narrow tractors from the world's leading supplier of narrow tractors: New T4F and T4V Series narrow tractors. A sleek new look, enhanced ergonomics, advanced driver safety and powerful new hydraulic options.

- Powerful, responsive and efficient 4 cylinder, 207 cu. in. engines up to 93 PTO hp
- Choice of open platform, standard Blue Cab™ or new Blue Cab™ 4 with cab level 4 protection (meets European Standards for filtration and pressurization EN 15695-2:2009 and EN 15695-1:2009)
- Large rear hitch lift capacity up to 4,400 lbs

**NEW HOLLAND**  
AGRICULTURE

**Larry Romance & Son Inc**  
2769 Rt 20 - Box 38  
Sheridan, NY 14135  
(716) 679-3366  
[www.LarryRomanceandson.com](http://www.LarryRomanceandson.com)

© 2016 CNH Industrial America LLC. All rights reserved. New Holland is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates.



**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

Luke Haggerty, (llh85@cornell.edu) Grape Cultural Practices, 716.792.2800 ext. 204

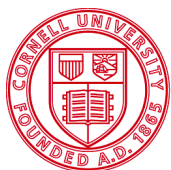
This publication may contain pesticide recommendations. Changes in pesticide regulations occur constantly, and human errors are still possible. Some materials mentioned may not be registered in all states, may no longer be available, and some uses may no longer be legal. Questions concerning the legality and/or registration status for pesticide use should be directed to the appropriate extension agent or state regulatory agency. Read the label before applying any pesticide. Cornell and Penn State Cooperative Extensions, and their employees, assume no liability for the effectiveness or results of any chemicals for pesticide usage. No endorsements of products are made or implied.

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



**Cornell University**  
Cooperative Extension



College of  
Agricultural  
Sciences