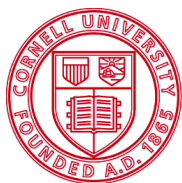




Lake Erie Regional Grape Program



Cornell University
Cooperative Extension



PennState Extension

Beautiful day in the vineyard- Photo-Jennifer Russo, LERGP at CLEREL

Crop Update June 27, 2019



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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.

In this Crop Update:

- **Efficient Vineyard Update: Crop Load Calculator-** Kevin Martin
- **Banded grape bug and GBM update-** Tim Weigle
- **Respirator Fit Process-** Andy Muza
- **2019 Coffee Pot Schedule**

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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.

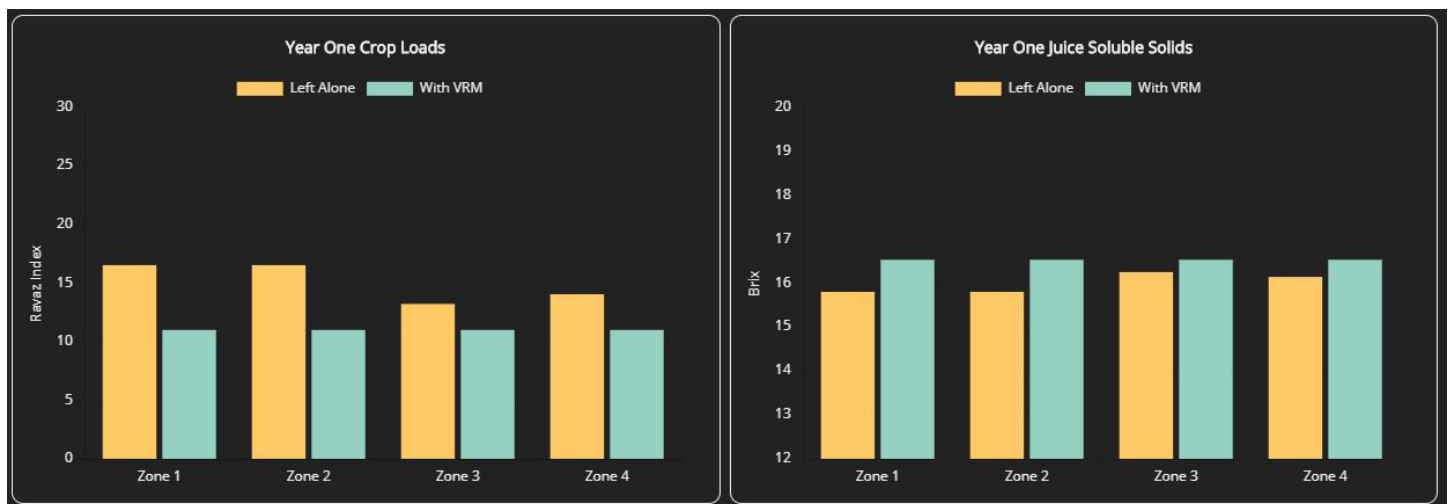
Business Management

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

Efficient Vineyard Update: Crop Load Calculator

We've just rolled out a new tool to help growers visualize the impact of variable crop load in their vineyard. This calculator is built on top of all the crop load research Dr. Bates has done over the years. Predictions are based on an average year, though we have hopes of implementing weather data in the future.

With a late bloom date, it is unlikely that this year will be average. This year has the potential for vineyards to struggle to ripen a crop. Targeting smaller zones and weaker blocks has the ability to improve the efficiency of fruit thinning. This calculator illustrates the benefits of improving crop load on smaller vines, while taking more of a risk on larger vines. In practice, uniform management has the tendency to do exactly the opposite. Check it out here: <https://efficientvineyard.com/crop-load-calculator>



IPM

Tim Weigle, NYSIPM, Cornell University, LERGP Team Leader

Update on Banded grape bug and GBM:

Not a lot has changed since last week's update with the exception that banded grape bug should be moving into the adult stage where it no longer feeds on florets. It actually becomes a friend as it feeds on soft bodied insects in the vineyard. If you have not scouted for grape rootworm yet, now would be a great time as feeding damage should be becoming evident. As mentioned in last week's update, it is easier to scout if you use a catching frame and shake the top wire to dislodge any adult GRW.

According to the grape berry moth model on NEWA (see the table below) we are still a ways off from the 810 DD needed to trigger an insecticide application. As mentioned before, the numbers in the table are calculated using the estimated wild grape bloom date provided by NEWA. To get the best idea of what is happening in your vineyards, take advantage of the model allowing you to input the observed wild grape bloom date in your area.

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NEWA Location	Wild grape bloom date*	DD Total on June 26, 2018	Forecasted DD for July 1, 2018
Versailles	June 7	356	476
Hanover	June 8	342	463
Sheridan	June 6	389	510
Silver Creek	June 8	342	448
Dunkirk Airport	June 9	330	443
Forestville	June 8	342	460
East Fredonia	June 9	318	440
Fredonia	June 9	**	412
Brocton Escarp.	June 9	316	437
Portland Escarp.	June 7	364	485
Portland	June 8	348	469
East Westfield	June 9	314	430
Westfield	June 9	317	433
Ripley	June 8	349	472
Ripley Escarp	June 8	335	460
Ripley State Line	June 8	346	470
North East State Line	June 9	311	426
North East Escarp	June 7	361	482
North East Sidehill	June 8	337	458
North East Lab	June 8	351	466
Harborcreek	June 8	343	461
Harborcreek Escarp	June 9	306	432
Lake City	June 7	363	492
Ransomville	June 11	297	421
Burt	June 19	134	245
Corwin	June 13	256	381
* Estimated date provided by NEWA website ** Model results show N/A for this date			

Table 1. Phenology-based Degree Day model results for Grape Berry Moth by NEWA station location in the Lake Erie Region on June 26, 2019.

Spotted Lanternfly – On Our Doorstep, Or Already In Our Fields?

August 15, 2019

8:30 am – 4:30 pm

Broome County CCE Farmers Market

840 Front Street

Binghamton, NY

You are invited to join in the battle against the Spotted Lanternfly Invasion by getting the latest information at the NYS IPM Conference on Spotted Lanternfly on August 15, 2019. Experts in spotted lanternfly research, regulation and extension will be on hand to give an update from their experiences with Spotted Lanternfly on the front lines within the quarantine zones of Southeast Pennsylvania. Research faculty and Extension staff from Penn State have been working with members of the Pennsylvania Department of Agriculture since 2014 on controlling the spread of Spotted Lanternfly and will be on hand to share their first hand experiences.

Representatives from the NYS IPM Program, Cornell University, NYS Department of Ag & Markets, NYS Department of Environmental Conservation and Finger Lakes Partnership for Regional Invasive Species Management (PRISM) will be on also be on hand to let you know what is being done to keep Spotted Lanternfly from becoming established into NYS. If you own a business or travel to any of the quarantine zones, you'll definitely want to hear about the New York State External Quarantine and the steps you need to take to be in compliance.

Who should attend? This invasive pest affects horticultural and agricultural crops, ornamentals, landscape, forests, and shade trees in residential areas so every resident of New York could potentially be affected if Spotted Lanternfly becomes established in New York. Growers, Landscapers, Greenhouse and Nursery Operations, Christmas Tree Growers, Foresters, Master Gardeners, Master Foresters and Residents are just some of the groups who will benefit from attending this meeting.

Cost is \$50 which includes a catered lunch and breaks.

An application has been made for 6 New York State pesticide recertification credits in the following categories; 1A, 2, 3A, 6A, 21, 22, 23, 24, 25. An application for recertification credits for Pennsylvania pesticide applicators has also been submitted.

Online registration is available at: <http://lergp.cce.cornell.edu/>



PA Update

Andy Muza, LERGP Extension Educator, Penn State University

The Respirator Fit Test Process – *Jim Harvey, Office of Rural Health, Penn State*

It's been over three years since the EPA released the revised Worker Protection Standard (WPS) and all aspects of that revision are in effect and are being inspected for now. Probably the area that has created the most confusion is the respirator fit test. The only Handlers that must go through this are those Handlers working with pesticides requiring a respirator as part of the required personal protective equipment. This requirement also includes owner handlers – no family exemption here! The respirator fit test is a three part process. The first part is getting a medical evaluation done. This can be done at a local occupational safety and health department which is often affiliated with a hospital. The medical evaluation can also be done online through a number of providers. In some cases the evaluation might raise a red flag that might require an actual physical. Once the evaluation or physical is passed be sure to keep the release documentation for at least two years and longer if the release is longer.

The second part of the process is the actual fit test and it must be completed every year as long as the Handler is using pesticide products requiring a respirator. This can be done at an occupational safety and health department or it can be done on the farm using a fit test kit from a safety supplier such as Gemplers or Grainger. No special training or certification is required for the fit test kit testers. The kits come with easy to read instructions. Be sure to document the test and keep that documentation at least two years.

The third step in the fit test process is the respirator training. This is an annual training as long as handlers are using pesticides requiring a respirator. It involves seven basic topics such as how often should canisters & filters be changed out, how to clean your respirator and how to deal with a respirator emergency and other essential respirator issues. Owner-handlers must self- train. Document the training and keep the documentation for at least two years.

Growers that want more details or sample documentation forms can get those from me (e-mail - jd18@psu.edu or call at 814-863-8656). **I will also be speaking at the Grape Twilight Meeting/ Hort BBQ on July 31st at Gravel Pit Park, 10300 West Main Road, North East, PA. If any Erie County, PA growers want me to visit their farm on July 31 or August 1 to go over the WPS regulation in general or the respirator fit test process with you, then contact me by July 26th to schedule an appointment.** I will also have my loose fitting powered air purifying respirator (PAPR) with me if anyone wants to try it out. Loose fitting PAPRs will exempt handlers from the actual fit test but NOT the medical evaluation or respirator training. See you on July 31st at the Grape Twilight Meeting.

**GRAPE TWILIGHT MEETING
&
ERIE COUNTY HORTICULTURAL SOCIETY'S
ANNUAL CHICKEN BBQ**

DATE: WEDNESDAY, JULY 31, 2019

PLACE: Gravel Pit Park
10300 West Main Road (Route 20), North East, PA 16428

TIME: GRAPE PROGRAM – 5:00 - 6:15 P.M.
FREE CHICKEN BBQ – After the Program

NOTE: Farm Equipment Display by Various Vendors – 3:30 to 7:00 P.M.

GRAPE PROGRAM:

- **Information on Grants available to Grape Growers – 5:00 to 5:15 P.M.**
- **Revisions to the Worker Protection Standards – What Does It Mean to You - 5:15 to 5:45 P.M.**
Jim Harvey, PA Office of Rural Health, Penn State University
- **Insect and Disease Management Updates – 5:45 to 6:15 P.M.**
Bryan Hed, Lake Erie Regional Grape Research & Extension Center, North East, PA
Andy Muza, Tim Weigle, Kevin Martin and Jennifer Russo, Lake Erie Regional Grape Extension Team

This meeting has been assigned:

- 1 Core and 1 Category pesticide re-certification credits approved by PA Department of Agriculture; and
- 1 pesticide re-certification credit (pending approval by NYDEC) for New York growers.

NOTE: The BBQ is free but REGISTRATION is mandatory.

Erie County Horticultural Society's NEW POLICY: No Reservations will be taken after 4:00 PM on Monday, July 22, 2019. There will be a limit of 6 reservations per farm.

Register by Monday, July 22, by calling Terri at Penn State Extension Erie County at (814) 825-0900, Ext. 0.

The Pennsylvania State University encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact Andy Muza at 814-825-0900, Ext. 1 in advance of your participation or visit.

Where trade names appear, no discrimination is intended, and no endorsement by Penn State Extension is implied.



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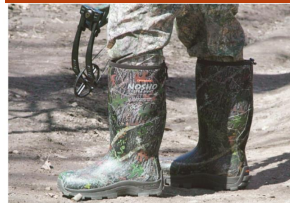
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NY, 2019

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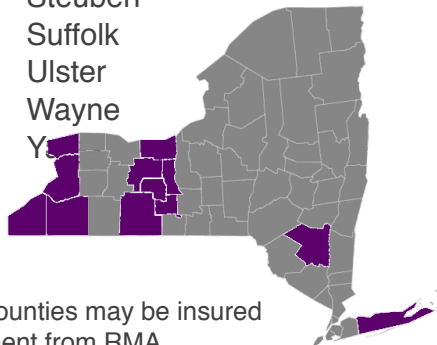
Important Insurance Deadlines

- **Aug. 15, 2018:** Premium Billing Date
- **Nov. 20, 2018:** Sales Closing, Policy Change, Cancellation, Termination Date
- **Nov. 20, 2019:** End of Insurance Period
- **Jan. 15, 2019:** Acreage / Production Report Date



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Schuyler	
Seneca	



Grapes in other counties may be insured by written agreement from RMA

NYS Grape Crop Insurance



for every \$1 grape producers spent on crop insurance premiums from 2012 to 2016, **they received \$2.07** in losses

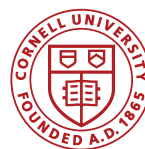
Learn more & sign up:

Learn more about crop insurance options available to New York producers at agriskmanagement.cornell.edu

To sign up, contact a crop insurance agent. Find an agent using the Agent Locator tool at rma.usda.gov/en/Information-Tools/Agent-Locator-Page

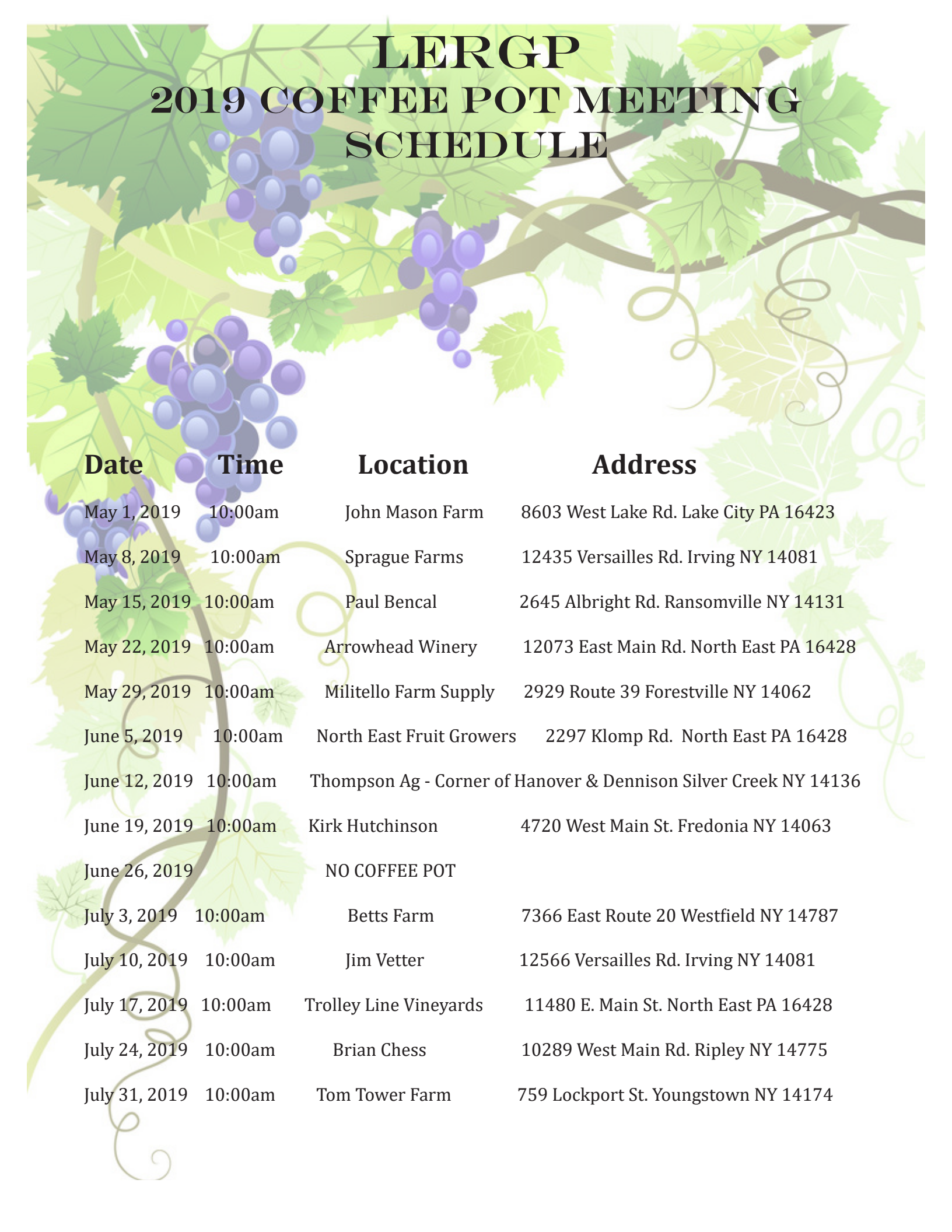


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LERGP 2019 COFFEE POT MEETING SCHEDULE

Date	Time	Location	Address
May 1, 2019	10:00am	John Mason Farm	8603 West Lake Rd. Lake City PA 16423
May 8, 2019	10:00am	Sprague Farms	12435 Versailles Rd. Irving NY 14081
May 15, 2019	10:00am	Paul Bencal	2645 Albright Rd. Ransomville NY 14131
May 22, 2019	10:00am	Arrowhead Winery	12073 East Main Rd. North East PA 16428
May 29, 2019	10:00am	Militello Farm Supply	2929 Route 39 Forestville NY 14062
June 5, 2019	10:00am	North East Fruit Growers	2297 Klomp Rd. North East PA 16428
June 12, 2019	10:00am	Thompson Ag - Corner of Hanover & Dennison	Silver Creek NY 14136
June 19, 2019	10:00am	Kirk Hutchinson	4720 West Main St. Fredonia NY 14063
June 26, 2019		NO COFFEE POT	
July 3, 2019	10:00am	Betts Farm	7366 East Route 20 Westfield NY 14787
July 10, 2019	10:00am	Jim Vetter	12566 Versailles Rd. Irving NY 14081
July 17, 2019	10:00am	Trolley Line Vineyards	11480 E. Main St. North East PA 16428
July 24, 2019	10:00am	Brian Chess	10289 West Main Rd. Ripley NY 14775
July 31, 2019	10:00am	Tom Tower Farm	759 Lockport St. Youngstown NY 14174