



“Fruit Facts” – Tuesday, May 17 2022

Petal Fall Webinar via Zoom – Wednesday May 18 at 3:30pm

No registration required, click the link below at time of the webinar:

Join Zoom Meeting: <https://cornell.zoom.us/j/95755237782?pwd=MkRnT1lLV25FVkJZYbGtBTHM4d3ltUT09>

Meeting ID: 957 5523 7782

Passcode: 856105

One tap mobile

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A review of precision thinning, the carbohydrate model, and region specific thinning strategies, along with pest and disease management recommendations will be provided by Cornell University faculty. Hosted by CCE LOF and ENYCHP.

Note that Dr Robinson will be providing information on region-specific thinning recommendations for the Champlain Valley beginning at 3pm, so please **sign on by 3:30** to be sure to catch all the material that is relevant to our region. However, don't be surprised that Terence will already be presenting when you arrive online. **His WNY-specific presentation will take place after the disease and insect management material.**

Agenda

Dr. Kerik Cox (Cornell U) - Spring Disease Management (10 minutes)

Dr. Monique Rivera (Cornell U) – Spring Insect Management (10 minutes)

Dr. Terence Robinson (Cornell U) – Precision Crop Load Management in 2022 (40 minutes)

The webinar will be recorded and posted to our YouTube channels shortly thereafter.

Updated version of Malusim to Guide Chemical Thinning Decisions is Available !

A new updated version of Malusim mobile apps for iOS and Android are both now available in the respective app stores. The web version of the app is also up to date (see below for more details provided by Dr. Robinson yesterday).

Registration is Open for 2022 Virtual Meetups about Labor and AG-Technologies this Summer!

CCE LOF will be conducting again a second round of nationwide virtual meetups this summer. Last year we focused on ‘Honeycrisp’ and had a great success with this new/more informal format. **We plan to cover labor and AG-technologies this time.**

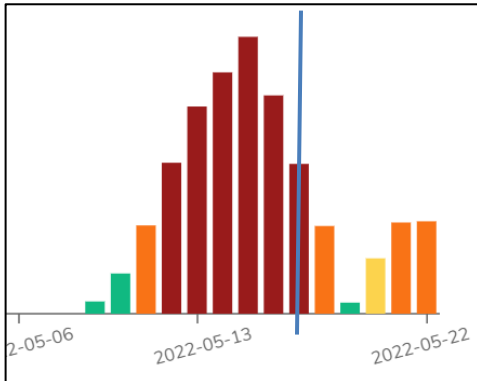
The link to the one-page flyer is here: https://rvpadmin.cce.cornell.edu/pdf/event_new/pdf96.pdf with the agenda that we recently began to use to announce this nationwide effort. This series of virtual meetups (7pm, EST), are **Free!**

Please register as soon as possible here: bit.ly/orchardmeetups.

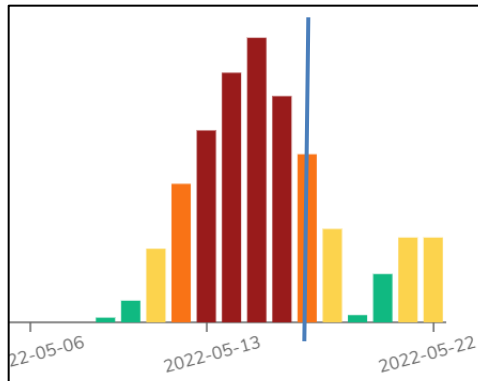
Across the region **conditions have been highly favorable for fire blight infection** over the weekend and through to at least today. High temperatures and humidity led to a block of perfect conditions for fire blight infection during bloom. Hopefully you were able to keep flowers covered, reapplying every few days as new blossoms opened. It may be a good idea to get another kickback strep application on today or tomorrow to clean up all the newly opened flowers, at least in blocks with no history of Strep resistance.

We seem to be moving into a period of lower fire blight risk beginning tomorrow, and many varieties are already moving into petal fall. However, be sure to continue to watch your NEWA models and finish the bloom period strong.

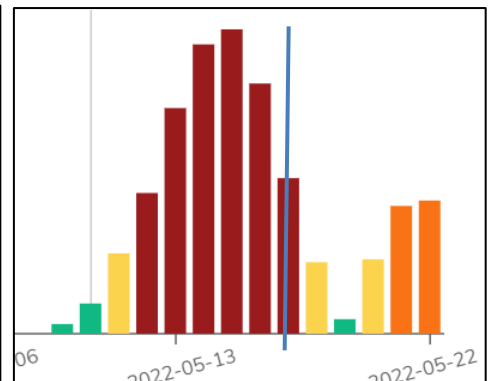
If you have reason to suspect Strep resistance on your farm, do not use Strep as it will be a waste of your money. Kasumin and the biologicals will be your best options. Note that Kasumin does not have good kickback activity, so it is especially critical to time sprays before predicted rain events.



Fire blight infection risk for Appleton, Niagara Co. Blue line indicates today. Image and data courtesy of NEWA.Cornell.edu.



Fire blight infection risk for Waterport, Orleans Co. Blue line indicates today. Image and data courtesy of NEWA.Cornell.edu.



Fire blight infection risk for Williamson, Wayne Co. Blue line indicates today. Image and data courtesy of NEWA.Cornell.edu.

Apple scab infection event occurred across the region on Sunday or Monday, and will continue through today and tomorrow. Timing of the infection event depends on when showers rolled through your region. Mancozeb combined with an SDHI or DMI will give forward and backward action, so should be applied either before or after any significant rain events.

Be aware that a scab spray may induce fire blight infection potential, so be sure to tank mix an antibiotic in with your scab sprays anywhere with any open blossoms. If possible, avoid captan now through first cover to reduce risk of fruit russetting.

Getting ready for your petal fall insecticide applications? Be sure to attend today's webinar at 3:30 to hear a recap from Dr Monique Rivera of what pests you need to think about and best management strategies for each.

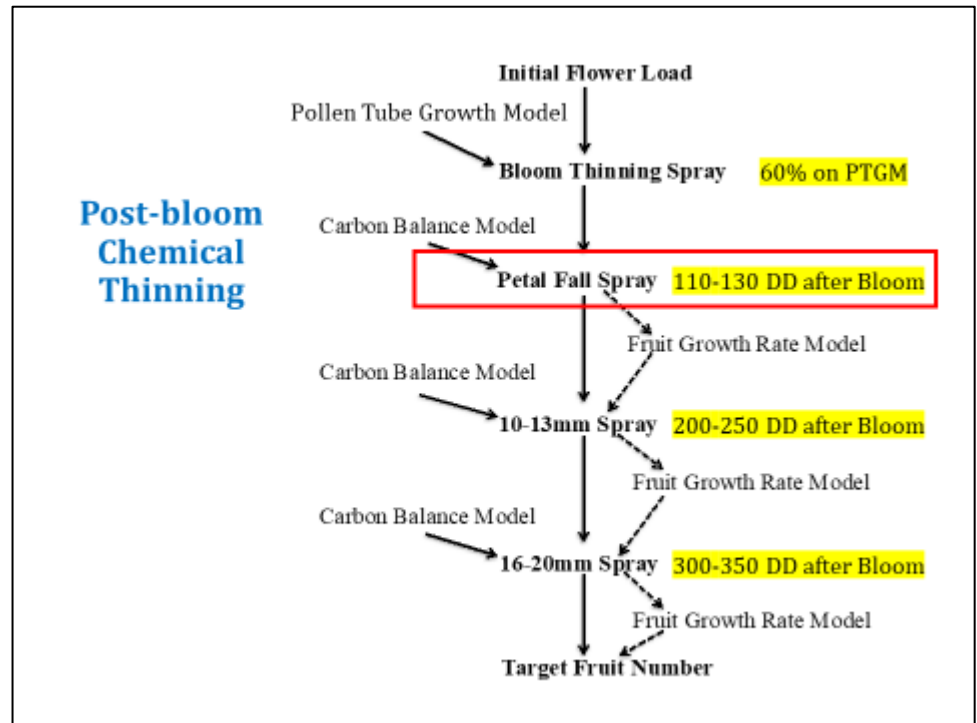
Any questions about pest management, please call or email me: jev67@cornell.edu, 585 797 8368.

Horticultural Notes...Mario Miranda Sazo

Updated version of Malusim to Guide Chemical Thinning Decisions is Available Today!: A new updated version of Malusim mobile apps for iOS and Android are both now available in the respective app stores. The web version of the app is also up to date. The update fixes some bugs in the fruit growth rate model but does not completely fix the voice recognition problem in the FGR model. It appears that the IOS voice recognition is working but not the Android voice recognition. There is still a problem with the irrigation model on NEWA which they are working on.

Petal fall thinning will be CRITICAL for Honeycrisp, Fuji, and Gala this year: If you did not blossom thin, there will be plenty of time and good weather in the coming days to apply a **petal fall spray** to minimize the negative effects of **high seed counts** per tree, especially in Honeycrisp. A review of precision thinning, the carbohydrate model, and Western NY specific thinning strategies will be provided by Dr. Robinson tomorrow Wednesday. Please plan to attend the petal fall webinar via zoom tomorrow **Wednesday May 18 at 3:30pm** (join the webinar at the link provided above).

Attend the PF Webinar via Zoom and Target your Petal Fall Sprays at 110-130 DD after bloom (see PF box in red color below): The preferred petal fall thinning window is when kings reach 6 mm which equates to 110 - 130 DD post-full bloom. Dr. Robinson will be predicting the best petal fall thinning windows in 2-3 locations along the lake and for a couple inland sites tomorrow Wednesday. Get ready to start implementing the use of the Malusim and the Fruit Growth Rate Model this season.



Chemical thinning options at petal fall (fruits at 5-6mm or 100-130DD base 4°C):

- Sevin
- Sevin + oil
- AmideThin
- Maxcel + Sevin
- NAA + Sevin
- Maxcel + NAA

Every effort has been made to provide correct, complete, and up-to-date pesticide recommendations. Nevertheless, changes in pesticide regulations occur constantly, and human errors are still possible. These recommendations are not a substitute for pesticide labeling. Please read the label before applying any pesticide. Copyright 2022. All rights reserved. No part of this material may be reproduced or redistributed by any means without permission. Cornell Cooperative Extension provides equal program and employment opportunities.

The Lake Ontario Fruit Program is a Cornell Cooperative Extension partnership between Cornell University and the Cornell Cooperative Extension Associations in Monroe, Niagara, Orleans, Oswego and Wayne counties.