Integrated Pest Management Program
Department of Plant Science and Landscape Architecture

Fruit Update – 5/9/25

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Apple Scab:

We are nearing the end of primary scab season. The models suggest that all ascospores were released as of today. However, there is certainly still a chance for infection and coverage should be maintained. Our current infection event will carry into the weekend.

Ascospore Maturity Summary

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Daily Discharge Thresholds: ≥ 10% > 20%

Date	Ascospore Maturity	Daily Ascospore Discharge	Cumulative Ascospore Discharge
May 7	96%	<1%	95%
May 8	97%	0%	95%
May 9 Forecast	98%	2%	97%
May 10 Forecast	98%	<1%	98%
May 11 Forecast	99%	0%	98%
May 12 Forecast	99%	0%	98%
May 13 Forecast	99%	0%	98%
May 14 Forecast	99%	0%	98%

Ascospore were all released on May 9. Orchards may still be at risk for secondary, conidial infections.

Infection Events Summary

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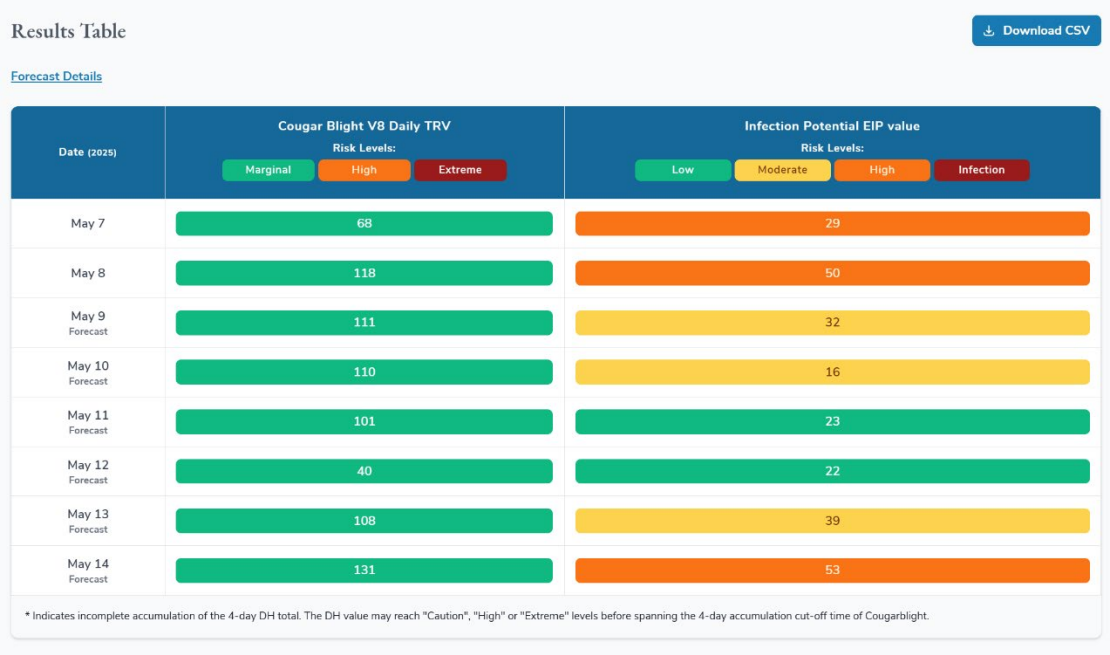
Events: Dry Wet

Date (2025)	Infection Events	Average Temp (°F) for wet hours	Leaf Wetness (hours)	Hours > 90% RH	Rain Amount
May 7	yes	57	10	10	0.01
May 8	no	57	8	8	0
May 9 Forecast	combined	56	23	23	3.23
May 10 Forecast	yes	51	7	7	0.05
May 11 Forecast	no	-	0	0	Night: 3% Day: 0%
May 12 Forecast	no	-	0	0	Night: 0% Day: 0%
May 13 Forecast	no	-	0	0	Night: 1% Day: 5%
May 14 Forecast	no	57	2	2	Night: 24% Day: 36%

Fireblight:

The cool temperatures (<60F) are keeping our fireblight risk to marginal/moderate levels. For anyone with Fireblight active in their orchards, this risk increases significantly. Please consult the New England Guide for more information.



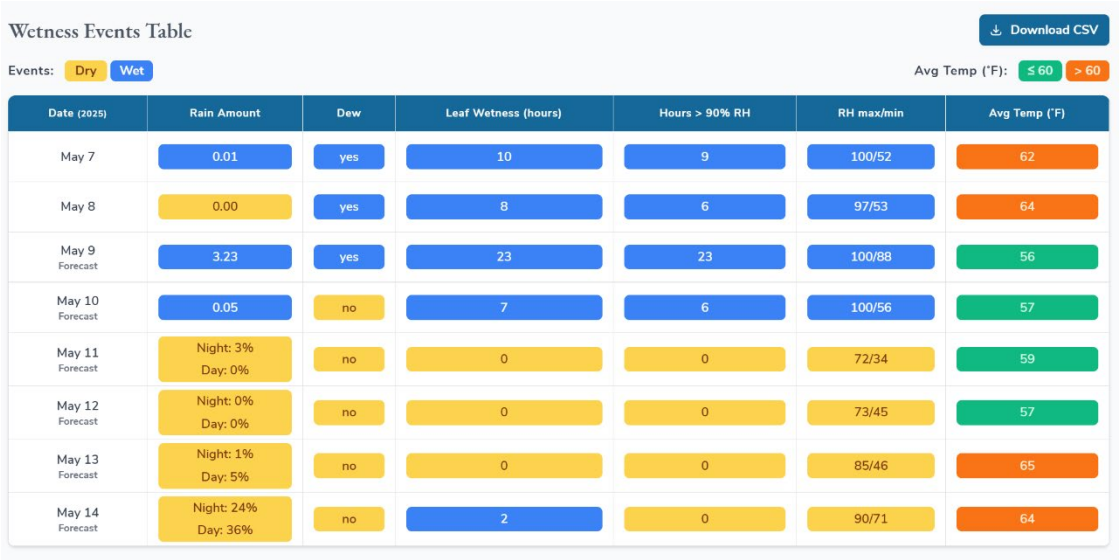
Results Table

Download CSV

Forecast Details

Date (2025)	Cougar Blight V8 Daily TRV Risk Levels: Marginal / High / Extreme	Infection Potential EIP value Risk Levels: Low / Moderate / High / Infection
May 7	68	29
May 8	118	50
May 9 Forecast	111	32
May 10 Forecast	110	16
May 11 Forecast	101	23
May 12 Forecast	40	22
May 13 Forecast	108	39
May 14 Forecast	131	53

* Indicates incomplete accumulation of the 4-day DH total. The DH value may reach "Caution", "High" or "Extreme" levels before spanning the 4-day accumulation cut-off time of Cougarblight.



Wetness Events Table

Download CSV

Events: Dry Wet

Avg Temp (°F): ≤ 60 > 60

Date (2025)	Rain Amount	Dew	Leaf Wetness (hours)	Hours > 90% RH	RH max/min	Avg Temp (°F)
May 7	0.01	yes	10	9	100/52	62
May 8	0.00	yes	8	6	97/53	64
May 9 Forecast	3.23	yes	23	23	100/88	56
May 10 Forecast	0.05	no	7	6	100/56	57
May 11 Forecast	Night: 3% Day: 0%	no	0	0	72/34	59
May 12 Forecast	Night: 0% Day: 0%	no	0	0	73/45	57
May 13 Forecast	Night: 1% Day: 5%	no	0	0	85/46	65
May 14 Forecast	Night: 24% Day: 36%	no	2	0	90/71	64

Petal Fall & Insect Pests:

Petal fall is one of the most critical times for insect pest control in our apple blocks. Some of our main target insects currently are Plum Curculio, European Apple Sawfly, Rosy Apple Aphid, and Oriental Fruit Moth. However, what we spray for should be informed by what we find while trapping/scouting. Below are some recommendations of materials rated as having **High Efficacy** for each of these pests:

- Plum Curculio – Imidan, Actara, Avaunt eVo, Exirel, Verdepryn, and Voliam Flexi
- European Apple Sawfly – Imidan, Actara, and Altacor
- Rosy Apple Aphid – Admire Pro, Assail, Exirel, Voliam Flexi
- Oriental Fruit Moth – Imidan, Assail, Delegate, Altacor, Exirel, and Voliam Flexi
- San Jose Scale – Movento
- Leaf Rollers – Delegate, Entrust, Proclaim, Dipel, Exirel, Altacor, and Voliam Flexi

For more information on materials and rates, please consult the New England Tree Fruit Management Guide.

Wet Weather and Disease – Some things to look out for.

1. **Leaf Spot** on Pear –
    a. *"Length of wetting for infection to occur can range from 12 hours at 50 degrees F to as little as 8 hours from 68 to 77 degrees F. Infections take about 7 days to become visible. Once primary infection occurs, secondary infection can spread rapidly with rain and wind during the summer, particularly during wet seasons."* – NE Guide
2. Rust
3. **Brown Rot** on Stone Fruit –
    a. *"Optimum development temperatures range from 55°F to 70°F (13°C-21°C) with required wetness times decreasing as temperatures increase."* – NE Guide
    b. Chemical control should be applied during bloom through the 3rd week after bloom.
4. **Botrytis** Blossom Blight on Strawberries –
    a. *"Blossom protection is the most important component of successful Botrytis control. An early bloom application should be made at 10% bloom and followed up at mid and late bloom if field conditions are wet."*
    b. Don't delay control measures. As soon as the king bloom is out, plants are susceptible. See NE Guide for more information.
5. **Anthracnose** on Strawberries –
    a. Control measures should begin at bloom. See NE Guide for more information.
6. **Mummyberry** on Blueberries –
    a. Control measures can begin as early as budbreak, especially for those who have struggled with this disease in the past. Although, cultural management via sanitation and mulching are your best bets.

7. **Phomopsis** Twig Blight on Blueberries –
    a. This disease has been active for quite a while already this season. Many of the Mummyberry materials are also labeled for Phomopsis, and Anthracnose in blueberry.
    b. See the NE Guide for more information.

The Connecticut Pomological Society and **UConn Extension** are conducting a pricing survey to help all fruit growers price their produce in the 2025 season. We are asking you to indicate the prices you charged in 2024 for tree fruit, small fruit and table grapes for Pick-Your-Own and Retail. NO PERSONAL INFORMATION will be collected. We do ask that you indicate the part of CT (or other state) you are in because we all know that location does impact what you can, should, or do receive for your produce. The summarized results will be shared with all growers. If you do not grow a particular type of fruit, skip that section and move on to the next.

This survey will close on Friday, May 9. We appreciate your time and support.

The survey link is: https://qfreeaccountssjc1.az1.qualtrics.com/jfe/form/SV_2lYMwHUfGUrt06W

SAVE THE DATE: The CT Pomological Society and UConn Extension will be holding a **Summer Field Day**.

Date: Tuesday, June 17 Location: Rogers Orchards

Cost: Free

Registration information and additional program information are coming soon.

If you would like to have a vendor/information table or demonstrate equipment, contact Erica at ctpomsoc@gmail.com

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One Last Thing:

It was brough to my attention that Butch from Old Orchard Farm in East Lyme passed away recently. We offer condolences to his family during this difficult time.
