

Near- and Post-harvest grape disease management reminders

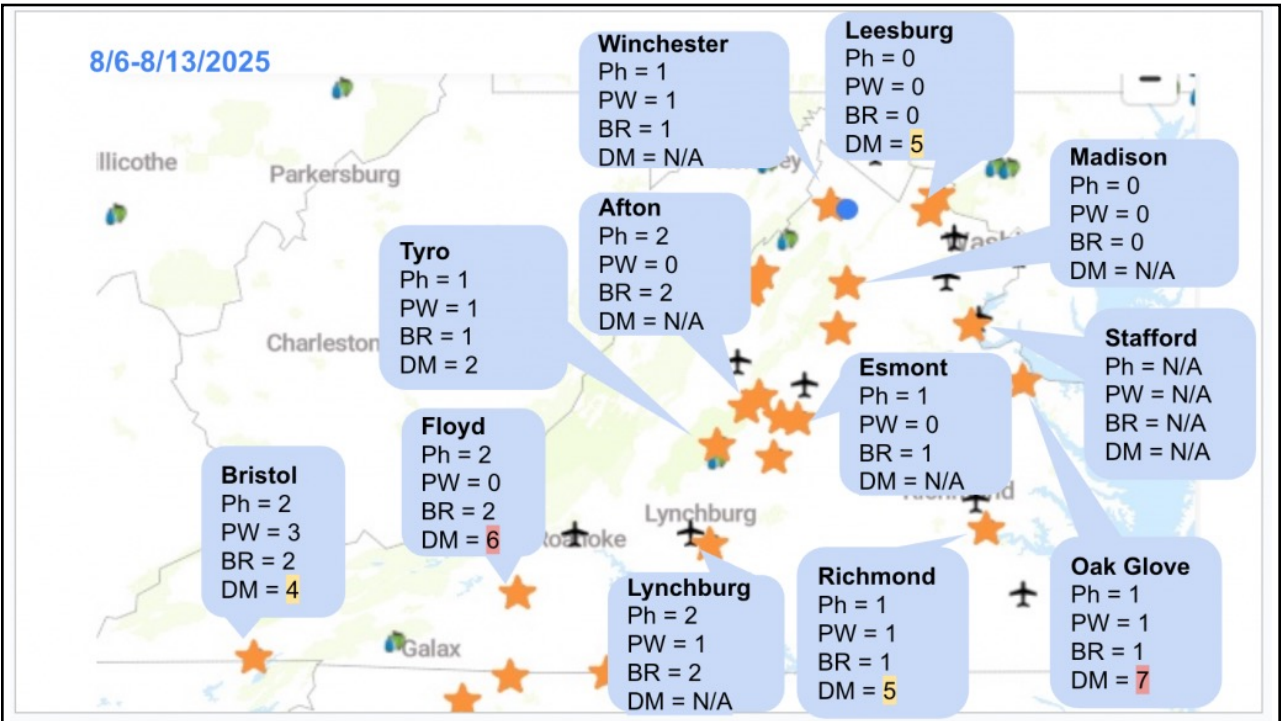
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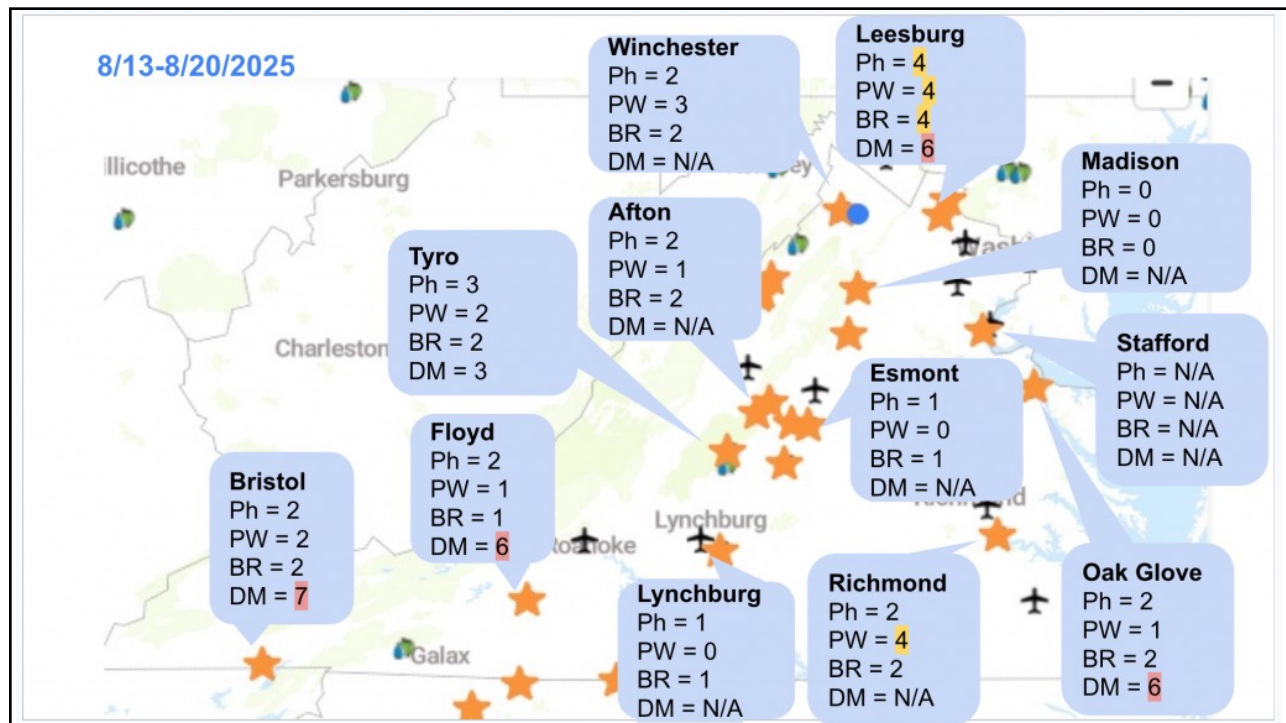
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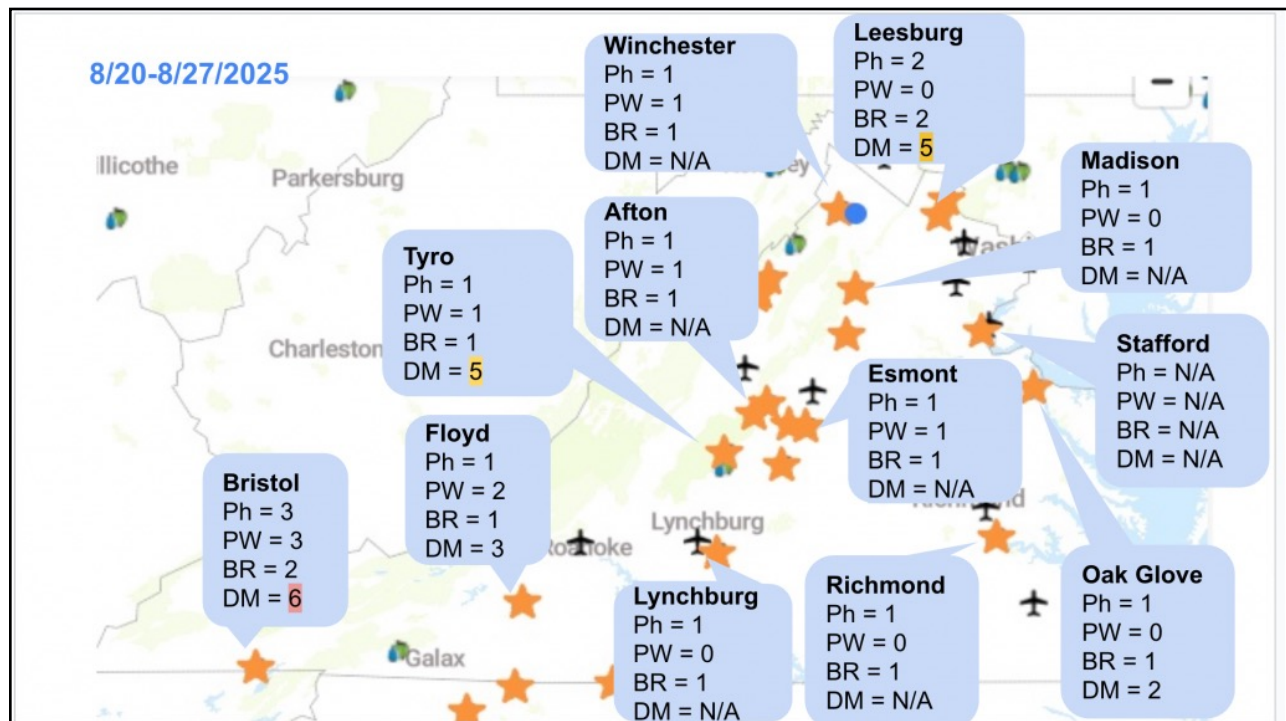
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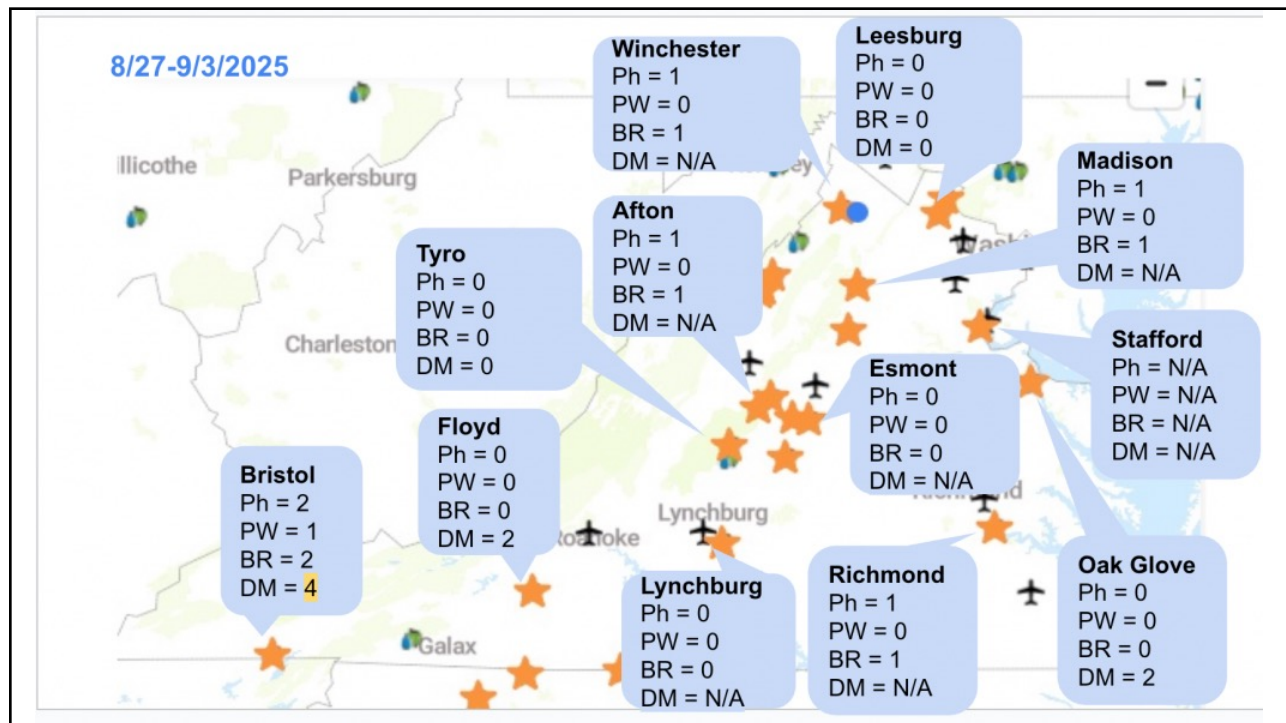
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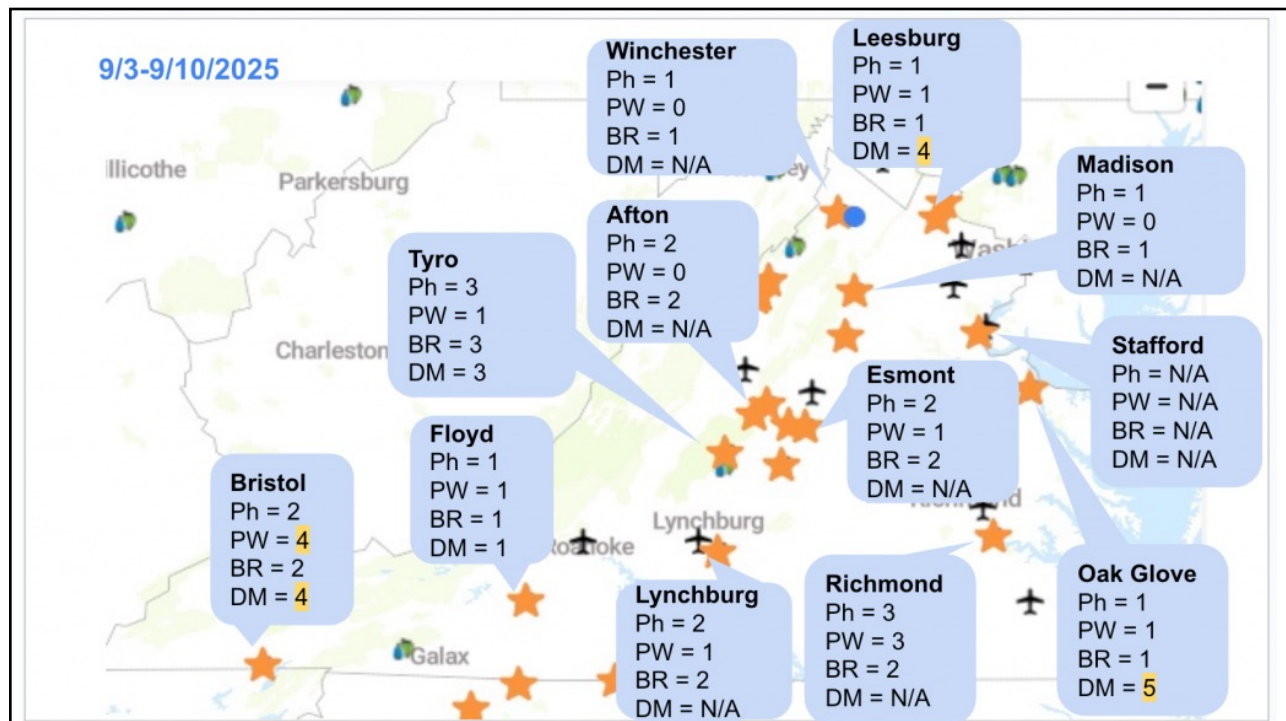
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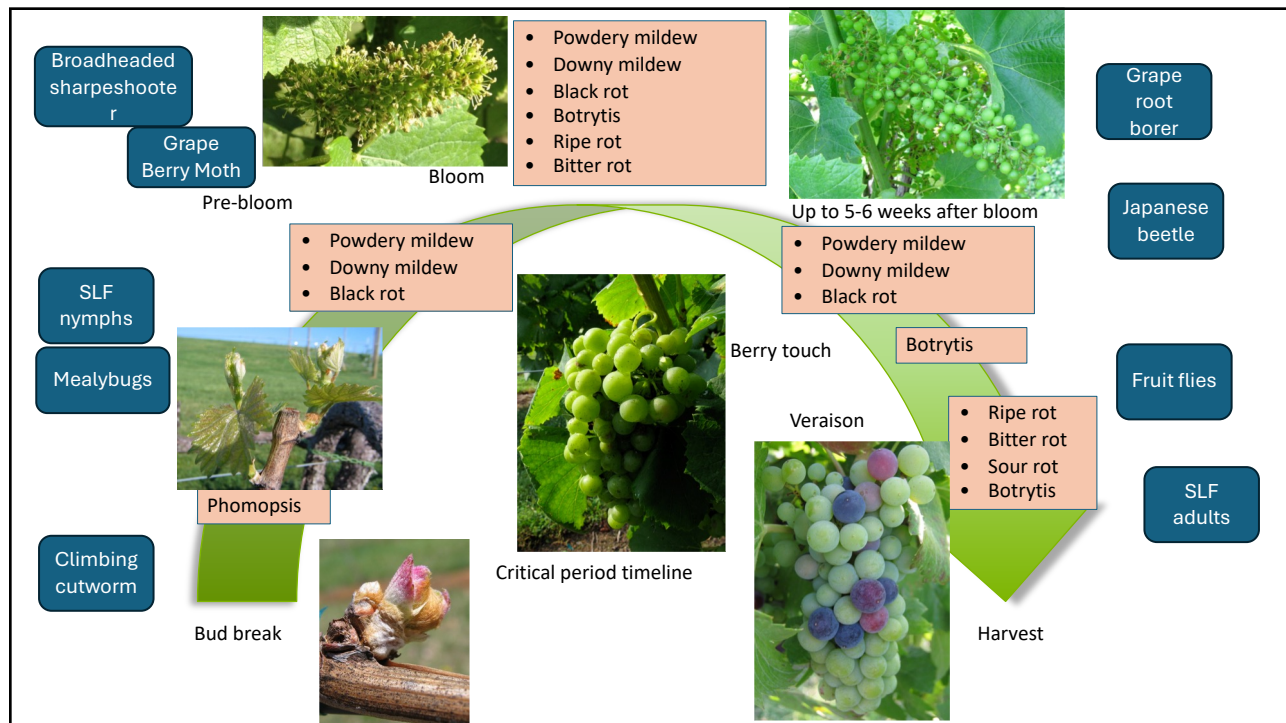
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Downy Mildew

Timing: all season

Clusters are susceptible from bloom to 4-6 wks after bloom

Preventative fungicide application

Good: Mancozeb, ziram (Dithane, Penncozeb, Gavel, etc. Group M3), Ranman (Group 21 - 30-day PHI), captan (Group M4), copper (Group M1)

Good, but...: Revus/Forum (Group 40 - resistance spreading quickly), Zampro (Group 40 + 45),

Mixed: Lifeguard (defense activator) and Zonix (blocks spores) - please use them with a caution (can be a good rotation or tank mix partner)

Bad: Any QoI (Group 11) fungicides (e.g., Abound, Pristine, etc.)

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Downy Mildew

Timing: all season

Clusters are susceptible from bloom to 4-6 wks after bloom

Kick-back fungicide application (after the rain, not after you see downy!)

Good: Phosphonate (Prophyt, Phostrol, etc. Group P07 (used to be 33)), Ridomil products (Group 4): Both have the potential fungicide resistance risk

Poor: Tanos (Group 11 + 27) note: we did not find a good result with Tanos in VA), Tanos need a mixing partner

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Ripe rot application timing: at bloom, veraison, plus you may need one or two more, if you have susceptible cultivars with a history of outbreak...

- All materials shown here are “fair” in efficacy by itself
- MIX captan (M4) with
 - Rovral (2, 7-day PHI) or Switch (9 + 12, 7-day PHI) or Howler (NC, 0-day PHI) (not as good as Switch)
 - Or a mixture of any of four above.
 - Copper is not as effective as mancozeb (66-day PHI) or captan
- ▲ In 2022-23 trial, Mancozeb or Aprovia Top (42-day PHI) applied at bloom, then Howler plus captan or Switch plus captan applied at veraison and on provided good controls.
- ▲ Another successful treatment was Switch plus Howler applied three times



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Spotted Lanternfly (SLF)

I would approach it like management of Japanese beetle.



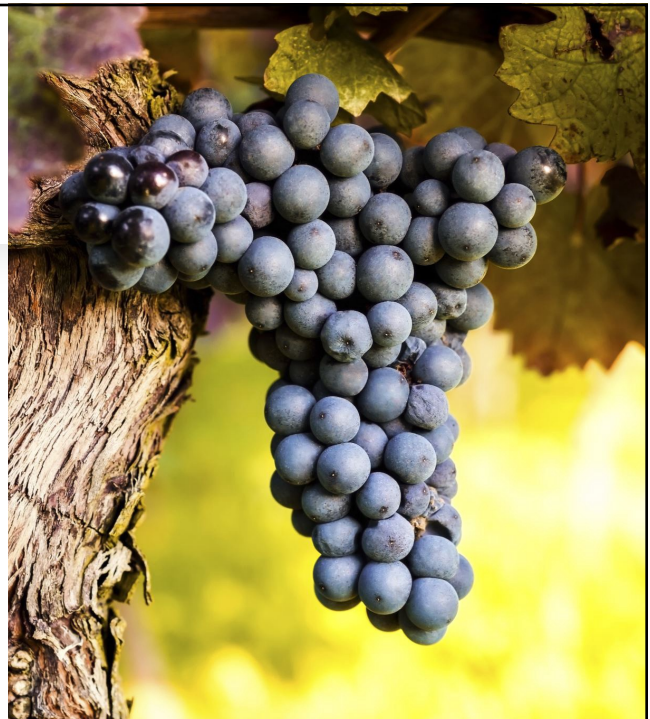
Table 3.1 - Disease and Insect Control (continued)

Pest	Chemical and Formulation	Rate/Acre	Spray Timing and Remarks
Spotted lanternfly	Brigade 10WSB	3.2-6.4 oz	Adults begin to appear in mid-July, and will be present through most of the fall. A provisional action threshold is 5-10 adults per vine. Assess frequently; continued re-immigration is a problem with SLF. Adults may develop high numbers on surrounding <i>Ailanthus</i> before moving into vineyard blocks. Pay close to attention to PHI and season maximum applications or amount of material per season.
	Actara 25WDG	1.5-3.5 oz	
	Scorpion 35SL	1.25-5.0 fl oz	
	Admire Pro (G)	1.0-1.4 fl oz	
	Mustang Maxx (G)	4 fl oz	
	Sevin XLR Plus	1.0-2.0 qt	
	BoteGHA ES	3 qt	
	PFR-97 20WDG	1-2 lb	

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Post-harvest

- Especially with the SLF, it is critical to keep vines healthy before winter.
- Copper or Mancozeb
- You may need to spray an insecticide for SLF



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