Welcome to Foothill Grape Day 2012: What’s WHITE hot?!

Lynn Wunderlich, Farm Advisor
UC Cooperative Extension-Central Sierra
Special thanks to:

Stephen Kautz and IRONSTONE

Kerry Keeney
Carolyn McVarish
Robin Cleveland
Calaveras Wine Alliance: Sara Teeter
Volunteer helpers: Chloe and Elissa
Our UC Speakers: Larry Williams, Rhonda Smith, Jim Wolpert
Our White Hot Panelists: Paul Bush, Chuck Hovey, Ron Mansfield, Mark McKenna, Mark Skenfield and Mari Wells-Coyle

Everyone who helped to pour and the wineries who donated wine for us to taste, share and enjoy.
Quick Foothill Update: What’s Happening?
Reminder: Now is the time to look for Gill’s mealybug in your vineyards!
What conditions favor powdery mildew development? 70-85°F
**Powdery mildew index (PMI)**

**What is the PMI?**
A mathematical model developed by UCDavis Plant Pathologist Doug Gubler that uses temperature data to calculate powdery mildew severity on a scale from 0-100.

**Why use the PMI?**
**It tells you what class of fungicides to use:**
- Biologicals (Serenade, Sonata)- *i.e. not recommended when PMI 60 or above.*
- Sulfur (FRAC group M2) *i.e. shortened to 7 day interval when PMI 60 or above.*
- DMIs or SBI-Sterol Inhibitors (FRAC group 3)- Rally, Procure, Elite, etc.
- Stobilurins or QOIs (FRAC group 11)- Flint, Abound, Pristine, Sovran, etc.
- Anilinopyrimidines (FRAC group 9)- Scala, Vanguard
- Quinolens (FRAC group 13)- Quintec
- Succinate Dehydrogenase Inhibitors (FRAC group 7)- Fontelis, Luna Privilege

**Pre-mixed formulas:**
- Luna Experience (FRAC groups 3/7)
- Inspire Super (FRAC groups 3/9)
- Luna Sensation (FRAC groups 7/11)

**Tells you what spray interval is safe:** *i.e. if PMI is 60 or above, Strobilurins are shortened from a 21 to a 14 day interval.*
RAIs are based on actual weather data for stations that take appropriate readings.

<table>
<thead>
<tr>
<th>County</th>
<th>Active weather stations (Click on station for year-to-date graph/daily data)</th>
<th>RAI* for 06/05/2012</th>
<th>Disease pressure</th>
<th>Pathogen status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresno</td>
<td>Based on bud break, March 19, in Thompson Seedless, you may need to adjust for other cultivars that emerge earlier than the indicated date.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(map)</td>
<td>CARUTHERS-01.P_CAR</td>
<td>70</td>
<td>high</td>
<td>reproduces every 5 days</td>
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<tr>
<td></td>
<td>Del_Rey/Fowler-01.P, DELF</td>
<td>50</td>
<td>intermediate</td>
<td>reproduces every 15 days</td>
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<tr>
<td></td>
<td>EASTON-01.P, EAS</td>
<td>70 (S1)</td>
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<td>reproduces every 5 days</td>
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<tr>
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<td>KERMAN-01.P, KER</td>
<td>50 (E)</td>
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<tr>
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<td>KINGSBURG-01.P, KNG</td>
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<td>Kearney_Ag_Ctr-01.P, KAC</td>
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<td>Laton_North-01.P, LATN</td>
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<td>Madera</td>
<td>Based on bud break, March 19, in Thompson Seedless, you may need to adjust for other cultivars that emerge earlier than the indicated date.</td>
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<tr>
<td>(map)</td>
<td>FIREBAUGH/ALISO-01.P, FRBA</td>
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<td>Madera_North-01.P, MADN</td>
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<td>Madera_South-01.P, MADS</td>
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<td>San Joaquin</td>
<td>Based on bud break, March 14, in Chardonnay, you may need to adjust for other cultivars that emerge earlier than the indicated date.</td>
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<td>(map)</td>
<td>FARMINGTON-01.P, FGN</td>
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<td>LIVE_OAK-01.P, LIV</td>
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<td>LOCKEFORD-01.P, LOC</td>
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<td>PETERS-01.P, PET</td>
<td>30</td>
<td>intermediate</td>
<td>reproduces every 15 days</td>
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</tbody>
</table>

* Bud break based on farm advisor countywide vineyard surveys:
  - Fresno: March 19 in Thompson Seedless
  - Madera: March 19 in Thompson Seedless
  - San Joaquin: March 14 in Chardonnay
Powdery mildew index values (Spectrum station) and daily maximum and minimum temperatures in Camino (4/28/12-6/5/12).
IMAGINE: Foothill Powdery Mildew Weather Stations!

Web Service
www.fieldclimate.com

- Weather Reports and forecast
- Agronomic Reports and Automation
- Disease/Pest and Frost/Stress Alerts
- Crop Staging Models
- Crop Yield Model
New Trial: Early leaf-pulling experiment for Botrytis management
Please respond to my email survey on Foothill Grape Day!