



**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?



05/25/2012

# 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 UC Davis 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.
- Strobilurins 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 Privelege

### 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.

County	Active weather stations (Click on station for year-to-date graph/daily data)	RAI* for 06/05/2012	Disease pressure	Pathogen status
<b>Fresno</b> ( <a href="#">map</a> )	Based on bud break, March 19, in Thompson Seedless, you may need to adjust for other cultivars that emerge earlier than the indicated date.			
	<a href="#">CARUTHERS-01.P, CAR</a>	70	high	reproduces every 5 days
	<a href="#">Del_Rey/Fowler-01.P, DELF</a>	50	intermediate	reproduces every 15 days
	<a href="#">EASTON-01.P, EAS</a>	70 (S1)	high	reproduces every 5 days
	<a href="#">KERMAN-01.P, KER</a>	50 (E)	intermediate	reproduces every 15 days
	<a href="#">KINGSBURG-01.P, KNG</a>	50 (E)	intermediate	reproduces every 15 days
	<a href="#">Kearney_Ag_Ctr-01.P, KAC</a>	60	high	reproduces every 5 days
	<a href="#">Laton_North-01.P, LATN</a>	70 (S1)	high	reproduces every 5 days
<b>Madera</b> ( <a href="#">map</a> )	Based on bud break, March 19, in Thompson Seedless, you may need to adjust for other cultivars that emerge earlier than the indicated date.			
	<a href="#">FIREBAUGH/ALISO-01.P, FRBA</a>	10	low	is present
	<a href="#">Madera_North-01.P, MADN</a>	40 (E)	intermediate	reproduces every 15 days
	<a href="#">Madera_South-01.P, MADS</a>	10 (S2)	low	is present
<b>San Joaquin</b> ( <a href="#">map</a> )	Based on bud break, March 14, in Chardonnay, you may need to adjust for other cultivars that emerge earlier than the indicated date.			
	<a href="#">FARMINGTON-01.P, FGN</a>	30	intermediate	reproduces every 15 days
	<a href="#">LIVE_OAK-01.P, LIV</a>	30	intermediate	reproduces every 15 days
	<a href="#">LOCKEFORD-01.P, LOC</a>	60	high	reproduces every 5 days
	<a href="#">LODI-01.P, LOD</a>	30	intermediate	reproduces every 15 days
	<a href="#">PETERS-01.P, PET</a>	30	intermediate	reproduces every 15 days

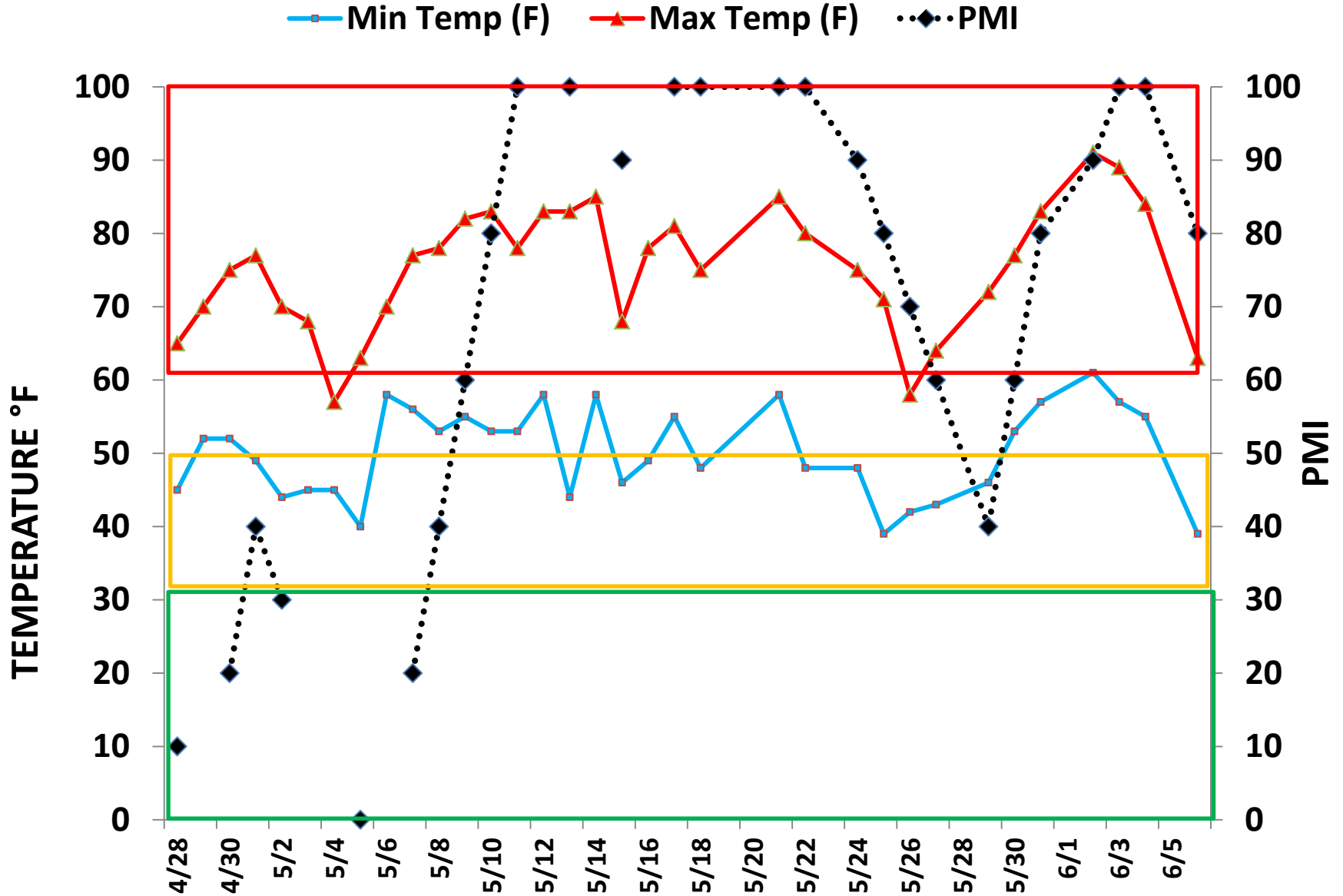
\* Bud break based on farm advisor countywide vineyard surveys:

- Fresno: March 19 in Thompson Seedless
- Madera: March 19 in Thompson Seedless
- San Joaquin: March 14 in Chardonnay





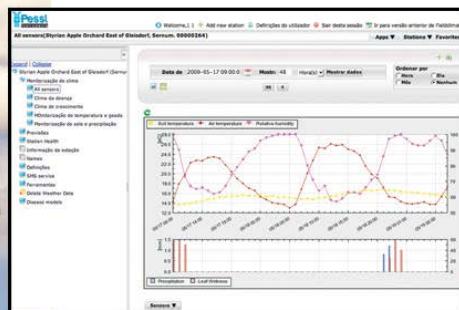
# Powdery mildew index values (Spectrum station) and daily maximum and minimum temperatures in Camino (4/28/12-6/5/12).




# IMAGINE: Foothill Powdery Mildew Weather Stations!



Web Service  
[www.fieldclimate.com](http://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!**