

Pristine®

Fungicide

The Industry Leader in Grape Disease Control

Benefits of Pristine® Fungicide for Grapes

- Pristine fungicide is the industry leader in grape disease control and in proven field performance
- Include Pristine in your fungicide spray program for optimum disease control, grape quality and return on investment

Always follow FRAC guidelines when using fungicides.

2012 University of CA Grape Disease Control Rankings*

Products	Powdery Mildew	Downy Mildew	Botrytis B. Rot	Summer B. Rot	Phomopsis
Pristine	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Vivando	■ ■ ■ ■ ■				
Luna Experience	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	
Quadris Top	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Inspire Super	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	
Flint	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Adament	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Scala	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	
Rally	■ ■ ■ ■ ■				
Quintec	■ ■ ■ ■ ■				
Abound	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■		■ ■ ■ ■ ■
Vanguard	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	
Elevate	■ ■ ■ ■ ■		■ ■ ■ ■ ■	■ ■ ■ ■ ■	

Ineffective Least Effective Most Effective
□ ■ → ■ → ■ → ■ → ■ → ■ → ■ → ■ → ■ → ■

*Source: Fungicides, Bactericides and Biologicals for Deciduous Tree Fruit, Nut, Strawberry and Vine Crops – 2012 (5/1/2012 Updated)



UC Davis Grape Fungicide Treatment Timing¹

Disease	Dormant	Bud Break	Full Bloom	Pre Close	Veraison	Preharvest / Postharvest
Phomopsis	■ ■ ■	■ ■ ■				
Powdery Mildew	■ ■ ■ ³	■ ■ ■ ⁴	■ ■ ■ ⁴	■ ■ ■ ⁵		
Botrytis Bunch Rot	■ ■ ■ ³		■ ■ ■ ²	■ ■ ■ ²	■ ■ ■ ²	■ ■ ■ ²
Summer Bunch Rot					■ ■ ■ ²	■ ■ ■ ²

Ineffective
 Least Effective
 Moderately Effective
 Most Effective

¹ Source: Efficacy and Timing of Fungicides, Bactericides and Biologicals for Deciduous Tree Fruit, Nut, Strawberry and Vine Crops – 2012 (5/1/2012 Updated)

² Only make application if rain is forecasted

³ 10 gallons lime sulfur in at least 100 gallons water

⁴ 10 gallons lime sulfur in at least 100 gallons water

⁵ Apply as needed (use disease risk assessment model for prediction)

Anti-Resistance Strategies for Fungicides

Application of “Following the Rules” in Fungicide Stewardship Dr. James Adaskaveg, UC Riverside

Rotate or mix fungicides of different mode of actions.

Use labeled rates—for strobilurins use upper label rates.

Limit total number of applications—limit any single-site mode of action fungicide class to one or two per season.

Educate yourself about fungicide activity, mode of action, and class—as well as resistance management practices.

Start a fungicide program with multi-site mode of action materials if possible. Reduce pathogen population size that is exposed to subsequent treatments. Probability of selecting for resistance is reduced.



Pristine® Use Recommendations in Grapes

- Always use recommended label rate for optimum control in targeted disease.
- Non-phytotoxic adjuvants may be used to increase coverage.

Target Diseases

- Powdery Mildew
- Phomopsis
- Summer Bunch Rot
- Botrytis Bunch Rot

Recommended Rate/Acre: 10-12.8 oz, 18.5-23 oz (Botrytis Bunch Rot)

Maximum Rate/acre: 23.5 oz

Pre-Harvest Interval: 14 days

Re-entry Interval: 12 hours (except when performing cane tying, cane turning or cane girdling, then the REI is 5 days)

Maximum Sequential Sprays of Pristine: 2

Total Application/Season: 5

Always read and follow label directions

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