The Industry Leader in
Pistachio Disease Control

Pristine® fungicide is the industry leader for disease control and field performance in pistachios. To achieve maximum return on investment and optimum quality for your crop, include Pristine in your fungicide spray program.

2012 University of CA Pistachio Disease Control Rankings**

<table>
<thead>
<tr>
<th>Products</th>
<th>Alternaria late blight</th>
<th>Botrytis blossom and shoot blight</th>
<th>Botryosphaeria panicle and shoot blight</th>
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<tbody>
<tr>
<td>Pristine</td>
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<td>Merivon*</td>
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<td>Adament</td>
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<td>Inspire Super</td>
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<td>Fontelis</td>
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<td>Quash</td>
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<td>Luna Experience</td>
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<td>Luna Sensation</td>
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<td>Ph-D</td>
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*Pending registration
**Source: 2012 Almond Fungicide Efficacy and Treatment Timing UC IPM Online.
Some listed products may not be registered in pistachios but were evaluated by the University of CA to develop these rankings.

Always follow FRAC guidelines when using fungicides.
**UC Davis Pistachio Fungicide Treatment Timing**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Bloom (April)</th>
<th>Suuculent Shoot Growth (May)</th>
<th>Early Fruit (June)&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Fruit/Kernel Development (July)</th>
<th>Fruit Maturation (August)</th>
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</thead>
<tbody>
<tr>
<td>Alternaria</td>
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<td>Botryosphaeria</td>
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</table>

**Pristine Use Recommendations in Pistachios**

**Diseases Controlled**
- Alternaria late blight
- Botrytis blossom and shoot blight
- Botryosphaeria panicle and shoot blight

**Recommended Rate/Acre:** 10.5-14.5 fl. oz.
**Maximum Rate/Acre:** 14.5 fl. oz.
**Pre-Harvest Interval:** 14 days
**Re-entry Interval:** 12 hours
**Maximum Sequential Sprays of Pristine:** 2
**Total Application/Season:** 4

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**Anti-Resistance Strategies for Fungicides**

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

- **R**otate or mix fungicides of different mode of actions.
- **U**se labeled rates—for strobilurins use upper label rates.
- **L**imit total number of applications—limit any single-site mode of action fungicide class to one or two per season.
- **E**ducate yourself about fungicide activity, mode of action, and class—as well as resistance management practices.
- **S**tart 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.

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**Pristine** and Merivon® were very effective in lowering *Botryosphaeria* incidence in pistachio buds when sampled in March 2012, about ½ year following the sprays (2011 season sprays).<sup>b</sup> Dr. Themis Michailides, UC Davis

<sup>1</sup> Source: 2012 Pistachio Fungicide Efficacy and Treatment Timing UC IPM Online (see for additional information)
<sup>2</sup> If only one application is done, the best timing is late June to early July
<sup>a</sup> Three applications during the season are recommended; Sprays not later than the first week in August
<sup>b</sup> Under revision

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**Always read and follow label directions**

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Quash is a registered trademark of Valent.
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