Disease Control in Pistachios

Benefits of Merivon® Fungicide

- Longer-lasting disease protection
- More consistent performance for maximum crop potential
- Advanced Plant Health benefits

Long-Term Effects of Merivon Fungicide for Control of Botryosphaeria in Pistachio

<table>
<thead>
<tr>
<th>Treatment</th>
<th>% Buds with Botryosphaeria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merivon Fungicide 5 fl oz</td>
<td>0</td>
</tr>
<tr>
<td>Pristine® Fungicide 14.5 oz</td>
<td>0.26</td>
</tr>
<tr>
<td>Merivon Fungicide 6 fl oz</td>
<td>0.49</td>
</tr>
<tr>
<td>Quash® 4 oz</td>
<td>9.2</td>
</tr>
<tr>
<td>Fontelis® 20 fl oz</td>
<td>13.8</td>
</tr>
<tr>
<td>Control</td>
<td>30</td>
</tr>
</tbody>
</table>

2013, Butte Co., Dr. Themis Michalades, UC Davis, Kearney Agricultural Research and Extension Center. Buds sampled on 3/6/14, 7 months after 2013 fungicide sprays. 50 buds per replicate. Buds plated on APDA according to BUDMON technique. 2013 application timings: 4/2/13, 6/7/13, 7/10/13, & 8/1/13. Treatments sponsored by BASF and other product makers.

Merivon fungicide delivers longer-lasting disease control, along with Advanced Plant Health benefits, that will help to maximize pistachio orchard potential.

Technical Information Bulletin

150 years

We create chemistry
**Best Use Recommendations**

- **Use Rate:** 5.5–6.5 oz/A
  - 5.5 oz/A for Botryosphaeria
  - 6.5 oz/A for Alternaria
- **Do not make more than two sequential applications** before rotation to an alternative mode of action fungicide
- **Do not make more than three applications** per season
- **Adjuvant flexible**
- **Merivon fungicide may be mixed with other products, such as insecticides**

**Target Diseases**
- **Alternaria**
  - (Alternaria late blight)
- **Botryosphaeria**
  - (Panicle and shoot blight)
- **Botrytis**
  - (Botrytis blossom and shoot blight)

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### Merivon Fungicide Control of Alternaria Late Blight in Pistachio

<table>
<thead>
<tr>
<th>Application</th>
<th>Bloom (April)</th>
<th>Succulent Shoot Growth (May)</th>
<th>Early Fruit Development (June)</th>
<th>Fruit/Kernel Development (July)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated Check</td>
<td>2.75</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fontelis 20 oz</td>
<td>3.85</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pristine® Fungicide 14.5 oz</td>
<td>3.95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Luna® Sensation 5 oz</td>
<td>4.05</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspire Super® 20 oz</td>
<td>4.05</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quash 4 oz</td>
<td>4.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Luna® Experience 6 oz</td>
<td>4.20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Merivon Fungicide 6.5 oz</strong></td>
<td><strong>4.25</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Disease efficacy score/whole tree (1 worst–5 best control)*

2013 Dr. Themis Michailides – University of CA (Parlier, CA). Three applications (6/11, 7/3, 7/24/2013), BASF treatments with 0.06% Induce. Treatments are a subset of those evaluated. Treatments sponsored by BASF and other product makers.

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For Alternaria control:
- In areas with a history of Alternaria, three fungicide applications per season are recommended
- If only one application is made, a late June/early July timing is best

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*This is a new use that may not be registered in all states. Consult your BASF representative or your state regulatory authority regarding the approval of this use in your state. 
*Always read and follow label directions.*

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Inspire Super and Quadris Top are registered trademarks of Syngenta.
Quash is a registered trademark of Valent.
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