Experimental and Potential Commercial use of Folicur for Control of White Rot in Onions

Harry Carlson, UCCE Farm Advisor, Modoc County
In Seed-Furrow Applications
<table>
<thead>
<tr>
<th>No.</th>
<th>Fungicide</th>
<th>Application Method</th>
<th>Rate</th>
<th>Percent Control</th>
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<tbody>
<tr>
<td>1</td>
<td>Folicur</td>
<td>In seed furrow at planting</td>
<td>1.7 pt/A</td>
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<td>2</td>
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<td>In seed furrow at planting</td>
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<td>3</td>
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<td>1.7 pt/A</td>
<td>60</td>
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<td></td>
<td></td>
<td>Broadcast before irrigation 60 DAP</td>
<td>1.7 pt/A</td>
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<td>Broadcast before irrigation 60 DAP</td>
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<td>Broadcast before irrigation 90 DAP</td>
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<td>Folicur</td>
<td>Spray blade @ 2&quot;</td>
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<td>6</td>
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<td>Spray blade @ 2&quot;</td>
<td>3.4 pt/A</td>
<td>59</td>
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<td>9</td>
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<td>1.7 pt/A</td>
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<td></td>
<td>Broadcast 90 DAP</td>
<td>1.7 pt/A</td>
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</table>
Brief History of Folicur use in Tulelake

2004-2007
Folicur tested at 27 and 54 oz/A

2007
Small test strips in commercial fields

2008
Experimental use permit.
80 acres treated 20.5 oz/A
2008 Commercial Trials

Field 1.  7 Acres Treated
         31 Acres Untreated
         • 23.65 T/A
         • 23.63 T/A

Field 2.  12 Acres Treated
          12 Acres Treated
          50 Acres Untreated
          • 28.25 T/A
          • 27.67 T/A
          • 27.40 T/A

Field 3.  9 Acres Treated
          16 Acres Untreated
          • 22.65 T/A
          • 24.58 T/A
In Seed-Furrow Applications
Potential Greenhouse and Field Experiments
Conclusions

• Folicur has shown great promise for white rot control in onions.
• Fungicide placement in the soil appears critical.
• Large scale research plots confirmed the potential for crop injury with in-seed furrow applications.
• Research is planned to evaluate crop safety and efficacy with other soil application techniques.
Conclusions

• Additional research is underway to develop alternative application methods which are compatible with current onion planting equipment.

• If successful, this research will result in increased crop safety while maintaining high level of white rot control.

• Successful development of these promising treatments will be critical to the sustainability of the dehy onion industry in the Klamath Basin.
Disclaimer regarding pesticides information:

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