2014 California Garlic and Onion Symposium

February 10, 2014

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Technical Service
Bayer CropScience
Recommendations for Thrips

- Label will allow up to 2 Movento applications / crop
- Add a quality spreading / penetrating adjuvant
- Want good spray coverage
- Position 1-2 applications of Movento early in spray program with other “soft” products
- Maximize activity of beneficial insects
- Consider early season application, 1-2 weeks prior to typical threshold
Click icon to add chart

Biological Insecticide
REQUIEM® – Product Details

• REQUIEM insecticide is an optimized terpenoid blend which, mimics the natural extract of the plant Chenopodium ambrosioides near ambrosioides.

• This blend gives consistency and reliability to the product.

• Successfully launched 2009 in U.S. Launched in Mexico and Israel in 2011
REQUIEM - Mode of Action

- REQUIEM is a contact insecticide which acts to:
  - Degrades the insect cuticle
  - Desiccate target insects
  - Collapse the trachea of target insects
  - Anti-feeding properties
Onion – Thrips, IYSV, Yield & Grade
Parma, ID (Thornton). ID13USANHRUUKL1

<table>
<thead>
<tr>
<th>Treatment</th>
<th>5/10</th>
<th>5/27</th>
<th>6/3</th>
<th>6/10</th>
<th>6/17</th>
<th>6/24</th>
<th>7/1</th>
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<td>Untreated Control</td>
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<td>Agri-Mek 3.5 oz</td>
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<td>Movento 5 oz + Requiem</td>
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MSO rate reduced from 0.5 to 0.25% v/v when Requiem was tank mixed.
Requiem applied at 1 qt/A
Onion – Thrips Population (adults + nymphs)
Parma, ID (Thornton). ID13USANHRUKL1

# thrips/plant

UTC
Grower Standard
Requiem w/Movento & Radiant blocks
Requiem all applications

Onion – Thrips, IYSV, Yield
Parma, ID (Thornton - UI). ID13USANHRUKL1

- Requiem applied at all 8 timings resulted in the lowest thrips population and IYSV infection
Requiem applied at all 8 timings shifted bulb size to colossal and super colossal categories.
Thank you for your attention!