Garlic and Onion Update

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Dow AgroSciences
1st true leaf  
2nd true leaf
Goal Tender / dry bulb onions / 1 true leaf / 24c label

- Only Goal Tender has this label.
- Apply GoalTender after all onions have at least one true leaf fully emerged, extended and developed.
- The second true leaf should be visible at the time of application.
  - The cotyledon ("flag leaf") is not the first true leaf.
- Do not apply when air temperatures are below 40 F at any time during the seven day period before application, or if air temperatures are expected to be below 40 F during the seven day period after the planned application.
Many situations arise where it is not appropriate to apply Goal Tender at the 1 true leaf stage.

- Weed spectrum –
- what weeds dominate
- size of weeds
1 day post treatment- 4 oz GOAL 2xl
Two true leaves with necrotic flag leaf
## Insects Controlled and Use Rates

<table>
<thead>
<tr>
<th>Pests</th>
<th>RADIANT SC (fl oz/A)</th>
<th>RADIANT SC Recommended Rate††† (fl oz/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>armyworms†</td>
<td>5 – 10</td>
<td>5-6</td>
</tr>
<tr>
<td>European corn borer loopers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dipterous leafminers††</td>
<td>6 – 10</td>
<td>6-8</td>
</tr>
<tr>
<td>thrips††</td>
<td></td>
<td></td>
</tr>
<tr>
<td>flea beetles (suppression)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

†With the exception of western yellowstriped armyworm

††Control of lepidopterous larvae, leafminers, and thrips may be improved with the addition of an adjuvant to the spray mixture. If thorough coverage is desired, then high pressure (>70 psi) directed sprays with dual directed nozzles can assist leaf penetration of onion

†††Choose higher rates for heavy infestations or advanced target pest growth stages
Thrips hide deep in onion sheaths/under cuticles
Western Flower Thrips in Romaine, J. Palumbo, Yuma, AZ, 2012.

No. immatures/plant

oz/acre

Dow AgroSciences

No. immatures/plant

Radiant 62 gal
Radiant 24 gal
Lan+War 62 gal
Lan+War 25 gal
Torac 62 gal
Torac 24 gal
Untreated

3dat-1
7dat-1
10dat-1
4dat-2
7dat-2
11dat-2
Western Flower Thrips
Best Practices against thrips

- Ground applications are recommended by Dow
- Use adequate water volumes and pressure
- Add a surfactant to break surface tension of spray droplets and improve coverage
- Keep ph of spray solution above 6
- Don’t start applications based on edge infestations
- Do not rotate between Success/Entrust SC and Radiant SC
Thanks for your support