Delegate® WG insecticide gives blueberry, cranberry and stone fruit growers an effective foundation for building a pest control program. That’s because Delegate WG contains spinetoram — an innovative active ingredient that delivers fast knockdown and broad-spectrum control of damaging insects, including those listed below.

Delegate WG Puts Damaging Pests in Their Place
An effective and easy-to-use tool that fits the needs of today’s grower:

- Innovative molecule provides outstanding broad-spectrum control of numerous destructive pests, including Oriental fruit moth, leafminers, peach twig borer, blackheaded fireworm, Sparganothis fruitworm, spotted fireworm, spanworms, gypsy moth, leafrollers and thrips activity
- Maintains populations of most beneficial insects; does not flare mites
- Short four-hour re-entry interval, allowing for more convenient completion of other tasks
- Reduced PPE requirements
- Accepted for registration under the U.S. Environmental Protection Agency’s Reduced Risk Pesticide Initiative
- Ideal rotation partner with Intrepid® 2F insecticide (a Group 18 insecticide) to manage resistance of lepidopterous species
- Delegate features an innovative mode of action, spinetoram, and is classified as a Group 5 insecticide for these crops, making it an ideal choice for Insecticide Resistance Management (IRM)
- Active ingredient received the 2008 Presidential Green Chemistry Challenge Award

<table>
<thead>
<tr>
<th><strong>Key Pests Controlled</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blueberries</strong>&lt;br&gt;3 to 6 oz./A rate:&lt;br&gt;Armyworms&lt;br&gt;Blueberry gall midge (suppression)&lt;br&gt;Blueberry maggot (suppression)&lt;br&gt;Cherry fruitworm&lt;br&gt;Cranberry fruitworm&lt;br&gt;Currant fruit fly (suppression)&lt;br&gt;Fireworms&lt;br&gt;Gypsy moth&lt;br&gt;Leafrollers&lt;br&gt;Loopers&lt;br&gt;Thrips (suppression)</td>
</tr>
<tr>
<td><strong>Cranberries</strong>&lt;br&gt;3 to 6 oz./A rate:&lt;br&gt;Armyworms&lt;br&gt;Currant fruit fly (suppression)&lt;br&gt;Fireworms&lt;br&gt;Spanworms&lt;br&gt;Gypsy moth&lt;br&gt;Leaf rollers&lt;br&gt;Loopers&lt;br&gt;Sparganothis fruitworm&lt;br&gt;Thrips (suppression)</td>
</tr>
<tr>
<td><strong>Stone Fruits</strong>&lt;br&gt;3 to 7 oz./A rate:&lt;br&gt;Peach twig borer (dormant spray)&lt;br&gt;4.5 to 7 oz./A rate:&lt;br&gt;Cherry fruit fly&lt;br&gt;Green fruitworm&lt;br&gt;Leafminers, including:&lt;br&gt;• Spotted tentiform&lt;br&gt;• Western tentiform&lt;br&gt;Leafrollers, including:&lt;br&gt;• Oblique-banded&lt;br&gt;• Fruit tree&lt;br&gt;• Pandemis&lt;br&gt;• Red-banded&lt;br&gt;• Variegated&lt;br&gt;Peach twig borer (in-season spray)&lt;br&gt;Thrips&lt;br&gt;Tufted apple bud moth&lt;br&gt;Western cherry fruit fly&lt;br&gt;6 to 7 oz./A rate:&lt;br&gt;Oriental fruit moth&lt;br&gt;Plum curculio (suppression)</td>
</tr>
</tbody>
</table>

Pictured Above (From Top):
- Water Flower Thrips
- Leafminer
Delegate® WG Insecticide —
Fast and Lasting Control of Destructive Pests

In independent trials, Delegate WG was applied twice, at three-week intervals. The treated crop significantly reduced the percent of damaged fruit at harvest compared with untreated plots.

**Fig 1. Control of Thrips spp. in Blueberries**
Three-spray program at 14-day spray intervals.
Source: Dr. Oscar Liburd, University of Florida, 2007.

<table>
<thead>
<tr>
<th>Insecticide</th>
<th>Number of Adult Thrips per Four Fruit Clusters*</th>
<th>Average Number of OFM Shoot Strikes/Tree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malathion 1.5pt</td>
<td>4</td>
<td>Imidan 70WP 3.0 lb</td>
</tr>
<tr>
<td>Delegate WG 3 oz</td>
<td>3</td>
<td>Novaluron 9.6 oz</td>
</tr>
<tr>
<td>Delegate WG 4 oz</td>
<td>2</td>
<td>Delegate WG 4.5 oz</td>
</tr>
<tr>
<td>Untreated</td>
<td>1</td>
<td>Delegate WG 6.0 oz</td>
</tr>
</tbody>
</table>

*Total number of thrips observed two and six days after the third application.

**Fig 2. Control of Oriental Fruit Moth in Peaches**
Seasonal Airblast Test: single tree, four replicates.
Source: Dr. P.W. Shearer, Rutgers University, New Jersey Agricultural Experiment Station, 2005.

Guidelines for Effective Use of Delegate WG in Stone Fruit

- When using Delegate WG as a larvicide, begin applications shortly before egg hatch.
- Monitor pest populations to determine when economic thresholds are exceeded.
- Oriental fruit moth applications should closely follow regional spray recommendations based on biofix dates, egg hatch and/or pheromone trap catches. Oriental fruit moth larvae must be controlled before they penetrate the fruit.
- See the Delegate WG product label for restrictions concerning the re-treatment intervals and preharvest interval for each crop.

Resistance Management Guidelines

To reduce the potential for resistance development in target pest species, do not make more than two consecutive applications of Group 5 insecticides (spinetoram and spinosad). If additional treatments are required after two consecutive applications of Group 5 insecticides, rotate to another class of effective insecticides for at least one application.