Sirocco®
Miticide / Insecticide

FOR FOLIAR CONTROL OF MITES AND INSECTS ON ORNAMENTAL CROPS INCLUDING NON-BEARING FRUIT TREES, CONIFERS AND CHRISTMAS TREES GROWN IN GREENHOUSES, SHADEHOUSES, NURSERIES, INTERIORSCAPES, AND LANDSCAPES.

GENERAL INFORMATION

Sirocco® is a unique combination of two insecticide and miticide compounds that provides quick knockdown and residual activity on mites, thrips and other pests. Sirocco is produced using a proprietary technique which enhances the efficacy of the active ingredients, bifenaZate and abamectin.

Sirocco is a suspension concentrate (SC) formulation.

Common Name: Bifenazate + Abamectin
Class: Carbazates + Glycosides

PACKAGING: Sirocco is packaged in 8 fl. oz containers, 8 per case.

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = 12 hours Signal Word = Warning

PERSONAL PROTECTIVE EQUIPMENT (PPE)

• Long-sleeved shirt and long pants
• Socks and shoes
• Chemical-resistant gloves

MODE OF ACTION

Sirocco is effective on insects and mites through contact and residual activity. Sirocco combines two unique modes of action: one that affects nerve and muscle action at the glutamate-gated chloride channel allosteric modulators; and two, through the interference of energy metabolism as a mitochondrial complex III electron transport inhibitor.

ADVANTAGES

• Up to 28 days of residual activity
• Quick knockdown
• Multiple modes of action
• Low use rates
• Broad spectrum control of insects and mites

USE SITES

Sirocco may be used on ornamental plants such as bedding plants, foliage plants, bulb crops, perennials, shrubs and trees, including non-bearing fruit trees, grown in greenhouses, shadehouses, nurseries, landscapes and interiorscapes.

Not intended for homeowner use.

PESTS CONTROLLED

Aphids**
Citrus red mite
Cyclamen mite
Broad mite
Bud mite
Leafminers
Lewis mite
Pacific spider mite
Rust mite
Southern red mite
Spruce spider mite
Thrips**
Two-spotted spider mite
Whiteflies**

**Suppression
Refer to the label for a full list of mites and insects controlled.

APPLICATION RATES

Sirocco label rates per 100 gallons of water are:
3 to 6 fluid ounces depending on target pest and infestation level. Refer to the product label for specific rate information.
TANK MIXING

**Sirocco** is compatible with most commonly used insecticides and fungicides. If local experience is unavailable a compatibility test should be performed before tank mixing **Sirocco** with other insecticides and fungicides. Treat a small number of plants and observe for five days prior to making a total crop application.

**Sirocco** must be fully dispersed in water with the agitator engaged before the addition of tank mix materials. For best results adjust tank pH to 6.0 to 6.5 range as **Sirocco** degrades rapidly in water a pH above 7.5 or having high alkalinity.

**Sirocco** can be mixed with spreader stickers for improved wetting of hard to wet foliage. Users are recommended to conduct small scale test of adjuvant prior to any large scale uses.

RESISTANCE MANAGEMENT

Use **Sirocco** as part of a sound resistance management strategy to minimize the potential of resistance development in the target pests. **Sirocco** should be alternated with miticides and insecticides with different modes of action. Applications of **Sirocco** to successive generations of target pests should be avoided. Make no more than two (2) applications of **Sirocco** per crop per year.

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OHP products registered for control of Spider Mites

<table>
<thead>
<tr>
<th>OHP Products</th>
<th>Chemical Class</th>
<th>MOA Group</th>
<th>Residual</th>
<th>REI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floramite® SC</td>
<td>Carbazate</td>
<td>20D</td>
<td>7 to 14 days</td>
<td>12</td>
</tr>
<tr>
<td>Kopa™ Insecticidal Soap</td>
<td>Biocide - Soaps</td>
<td>M</td>
<td>7 to 14 days</td>
<td>12</td>
</tr>
<tr>
<td>Ancora®</td>
<td>Microbial Insecticide</td>
<td>M</td>
<td>3 to 5 days</td>
<td>4</td>
</tr>
<tr>
<td>Applause/Notavo™</td>
<td>Tetrazines</td>
<td>10A</td>
<td>21 days</td>
<td>12</td>
</tr>
<tr>
<td><strong>Sirocco</strong></td>
<td>Carbazate + Glycoside</td>
<td>6 + 20D</td>
<td>7 to 14 days</td>
<td>12</td>
</tr>
<tr>
<td>Shuttle® O</td>
<td>Naphthoquinone derivative</td>
<td>20B</td>
<td>14 to 28 days</td>
<td>12</td>
</tr>
<tr>
<td>Triact® 70</td>
<td>Clarified hydrophobic extract of neem oil</td>
<td>M</td>
<td>3 to 7 days</td>
<td>4</td>
</tr>
</tbody>
</table>

OHP Recipe for Success on Controlling Spider Mites

<table>
<thead>
<tr>
<th>Application</th>
<th>Rate per 100 gallons</th>
<th>Rate per gallon</th>
<th>Rate per gallon metric</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.) Applause/Notavo™</td>
<td>2 to 8 fl. oz.</td>
<td>1/8 tsp to 1/2 tsp</td>
<td>0.6 mL to 2.4 mL</td>
<td>Effective on eggs and immature stages.</td>
</tr>
<tr>
<td>2.) Floramite® SC</td>
<td>4 to 8 fl. oz.</td>
<td>1/4 tsp to 1/2 tsp</td>
<td>1.3 mL to 2.6 mL</td>
<td>Rapid activity</td>
</tr>
<tr>
<td>3.) Kopa™ Insecticidal Soap</td>
<td>1 to 2 gallons</td>
<td>1.28 to 2.56 fl. oz.</td>
<td>39 mL to 75 mL</td>
<td>Good coverage is essential. Do not make more than 3 consecutive applications.</td>
</tr>
<tr>
<td>4.) <strong>Sirocco</strong></td>
<td>3 to 6 fl. oz.</td>
<td>3/16 tsp to 3/8 tsp</td>
<td>1.3 mL to 2.6 mL</td>
<td>Translaminar activity</td>
</tr>
<tr>
<td>5.) Shuttle® O</td>
<td>6.4 to 12.8 fl. oz.</td>
<td>2/5 tsp to 4/5 tsp</td>
<td>2 mL to 4 mL</td>
<td>Contact – rapid activity</td>
</tr>
<tr>
<td>6.) Triact® 70**</td>
<td>Alternative treatment and/or tank mix</td>
<td>1/2 to 1 gallon</td>
<td>3 3/4 tsp to 7 1/2 tsp</td>
<td>15.75 mL to 37.5 mL Use the lower rate in greenhouses.</td>
</tr>
</tbody>
</table>

**Triact 70 or other horticultural oils can be used to reduce a high mite population before applying a conventional miticide. Triact 70 may also be used at .25% as an adjuvant to enhance other miticides. Be sure to follow label instructions and precautions if oils are used.

Use of **Sirocco** according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Sirocco**. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Applause/Notavo are trademarks and Ancora and **Sirocco** are registered trademarks of OHP, Inc. Kopa is a trademark of W. Neudorff GmbH KG. Floramite is a registered trademark of MacDermid Agricultural Solutions, Inc. Shuttle is a registered trademark of Arysta LifeScience North America, LLC. Triact is a registered trademark of Certis USA, LLC.