

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.

Product Information Bulletin

731

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, bifentazate and abamectin.

Sirocco is a suspension concentrate (SC) formulation.

Common Name: Bifenazate + Abamectin

Class: Carbazates + Glycosides

GROUP

6 + 20D

ACARICIDE

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

proved 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.

OHP products registered for control of Spider Mites

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

OHP Recipe for Success on Controlling Spider Mites

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

**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.

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