

## **ORNAMENTAL PLANTS, BEDDING PLANTS, ETC.**

### General Information

### USE INFORMATION

FLORAMITE SC/LS is a selective miticide for the control of a variety of mite pests on the following plants:

- All ornamental plants, including bedding plants, flowering plants, foliage plants, ornamental bulb plantings, perennials, trees and shrubs.
- All non-bearing fruit trees which will not bear fruit for a minimum of 12 months.

FLORAMITE SC/LS may be used only in the following areas where these plants are grown and / or maintained in containers or in the ground:

- Landscapes
- Residences
- Public, commercial, industrial and institutional areas
- Recreational sites, such as campgrounds, golf courses, parks and athletic fields
- Rights of way and other easements.

Restriction: FLORAMITE SC/LS is not for use on plants grown for sale or other commercial use, or for seed production, or for research purposes, and/or maintained in interiorscapes, including plants grown in greenhouses, shadehouses, and nurseries.

When used as directed and applied to the foliage, FLORAMITE SC/LS provides knockdown through contact activity, and long residual control. Due to its carbazate chemistry, mode of action and selective nature, FLORAMITE SC/LS is relatively inactive against beneficial / predacious mites and insects, and therefore is compatible with IPM and resistance management programs.

FLORAMITE SC/LS is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces is necessary for effective control.

Apply FLORAMITE SC/LS by the following types of ground equipment: compressed air sprayers, hydraulic sprayers, ground boom sprayers, air blast sprayers. Do not

apply by aerial application.

## STRATEGIES FOR RESISTANCE MANAGEMENT

FLORAMITE SC/LS, when used as directed, combines high activity on mites with selectivity to beneficial/ predacious mites and insects. In addition, the carbazate chemistry of FLORAMITE SC/LS provides a means of controlling mites which have developed resistance to more commonly used products. These properties can result in fewer miticide/insecticide applications as well as general reduction in the problems caused by resistance. FLORAMITE SC/LS has demonstrated no cross-resistance with other commercial miticides. FLORAMITE SC/LS contains an active ingredient classified as a Group 20D acaricide. FLORAMITE SC/LS is suitable to be used as a rotational partner with other miticides.

To reduce selection pressure which can lead to the development of resistance, FLORAMITE SC/LS should be used in moderation. To help achieve this, the following strategies are recommended:

- Incorporate IPM techniques into your insect control program.
- Ensure thorough spray coverage to all foliage.
- Scout regularly and apply FLORAMITE SC/LS as soon as infestations are observed. Do not wait until large populations have established.
- Always apply FLORAMITE SC/LS at the required rates and according to label information.
- If feasible, apply only one application of FLORAMITE SC/LS before rotating to products of an alternative chemical class. Again, if feasible, use at least two alternative products between treatments of FLORAMITE SC/LS.
- Use FLORAMITE SC/LS in conjunction with biological control organisms available for mite control. FLORAMITE SC/LS when used as directed, does not adversely affect populations of beneficial/predacious mites and insects.

Predatory Mites: *Phytoseiulus persimilis*, *Neoseiulus* spp., *Typhlodromus* spp., *Amblyseius* spp., *Amblyseius* spp., *Iphiseius degenerans*

Beneficial Insects: *Chrysoperla carnea* (common green lacewing), *Aphidius colemani*, *Aphidoletes aphidomyza*, *Orius insidiosus* (insidious pirate bug),

Coccinella septempunctata, Hippodamia convergens, Stethorus punctum, Diglyphus isaea, Eretmocerus eremicus, Cotesia marginiventris

The use of these organisms in conjunction or alternation with FLORAMITE SC/LS is encouraged as a means of reducing the number of chemical applications.

#### PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not FLORAMITE SC/LS can be used safely on all ornamental plants. FLORAMITE SC/LS has been tested on a variety of ornamental plants with no phytotoxicity observed at label rates. However, all plant species and their varieties and cultivars have not been tested with possible tank-mix combinations, sequential pesticide treatments and adjuvants and surfactants. Therefore, prior to any largescale application to ornamental plants, the user should determine the safety of FLORAMITE SC/LS by testing a small number of the plant cultivar to be treated at the specified label rates to ensure that phytotoxic response will not occur. The end user assumes all risks arising from using this product in a manner inconsistent with its labeling.

#### Limitations, Restrictions, and Exceptions

#### USE RATES AND APPLICATION INFORMATION

Mix 4 - 8 fl oz FLORAMITE SC/LS in 100 gals. of water (1/4 - 1/2 tsp/gal) and apply as a full coverage spray to the foliage using a volume of 1 - 4 qts. of final solution per 100 sq ft (or 100 - 400 gals. per acre). Actual spray volume will vary depending on the size of plants being treated. Application should be made as soon as mites appear and will provide residual control for up to 28 days. Use 4 fl oz per 100 gallons of water (1/4 tsp per gallon) for preventative applications or where mite infestations are light. Up to 8 fl oz per 100 gallons of water (1/2 tsp per gallon) may be required for heavy infestations or for extended residual control. For optimum coverage of hard-to-wet foliage, an adjuvant can be added to the FLORAMITE SC/LS / water solution. Those found to be both safe and effective are SilwetR 77 or SylgardR 309 at 4 oz per 100 gallons of water. Users should test safety and compatibility of all adjuvants prior to commercial use.

When used as directed, FLORAMITE SC/LS is effective for the control of a variety of mite species, especially spider mites, red mites and grass mites. NOTE: It is not effective against rust mites, broad mites and flat mites. FLORAMITE SC/LS is primarily active on the motile stages of mites, but also has ovicidal activity against

spider mites (Tetranychus species).

Restrictions:

Do not apply more than 32 fl oz per acre per year.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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