

Uniroyal Chemical

Floramite™**ORNAMENTAL MITICIDE IN WATER SOLUBLE BAGS****COMPOSITION**

Active Ingredient: (% by weight)

Bifenazate: Hydrazine carboxylic acid, 2-(4-methoxy-[1,1-biphenyl]-3-yl)

1-methylethyl ester 50%

Inert Ingredients: 50%

Total: 100%

EPA REG. NO. 400-481

EPA EST. NO. 001/062499

KEEP OUT OF REACH OF CHILDREN**CAUTION****FIRST AID****IF IN EYES.** Flush eyes with plenty of water. Call a physician if irritation persists.**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT**Applicators and Other Handlers Must Wear:** Long-sleeved shirt and long pants; shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. This product is toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift on to blooming crops or weeds if bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- shoes plus socks

GENERAL INFORMATION

FLORAMITE is a wettable powder in water soluble bags. FLORAMITE is a selective miticide for the control of a variety of mite pests on greenhouse, shade-house, nursery, field, landscape and interiorscape grown ornamentals. When used as directed and applied to the foliage, FLORAMITE provides quick knockdown through contact activity, and long residual control. Due to its unique chemistry, mode of action and selective nature, FLORAMITE is relatively inactive against predacious insects and beneficial mites, and therefore is compatible with IPM and resistance management programs.

MIXING INSTRUCTIONS

Fill the spray tank with ½ the desired amount of water. Then add the required number of water-soluble bags of FLORAMITE with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water.

Compatibility: To obtain broad spectrum insect control, FLORAMITE can be tank-mixed with other insecticide products. However, due to variations in water quality, e.g., hardness and pH, it is required that users conduct small scale trials under local conditions to ensure compatibility prior to any large scale use.

USE RATES AND RECOMMENDATIONS

Mix 2 to 4 ozs. (2 to 4 water-soluble bags) FLORAMITE in 100 gals. of water and apply as a full coverage spray to the foliage using a minimum volume 1-2 qts. of final solution per 100 sq.ft. 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 21 days. Use the low rate where mite infestations are light or for susceptible populations. The higher rate may be required for heavy infestations and for less susceptible populations.

When used as directed, FLORAMITE is effective for the control of a variety of mites species, especially spider mites, red mites and grass mites. NOTE: It is not effective against rust mites, broad mites and flat mites. FLORAMITE is primarily active on the motile stages of mites, but also has ovicidal activity against spider mites (*Tetranychus* species). Common ornamental mite species controlled by FLORAMITE include:

COMMON NAME	SCIENTIFIC NAME
Two spotted spider mite	<i>Tetranychus urticae</i> Koch
Pacific mite	<i>Tetranychus pacificus</i> McGregor
Strawberry mite	<i>Tetranychus turkestanii</i>
European red mite	<i>Panonychus ulmi</i> (Koch)
Citrus red mite	<i>Panonychus citri</i> (McGregor)
Clover mite	<i>Bryobia praetiosa</i> (Koch)
Southern red mite	<i>Oligonychus ilicis</i> (McGregor)
Spruce spider mite	<i>Oligonychus ununguis</i> (Jacobi)

Restrictions: Do not use FLORAMITE in successive applications. Apply only one application of FLORAMITE before rotating to products of an alternative chemical class. Use at least two alternative products between treatments of FLORAMITE.

STRATEGIES FOR RESISTANCE MANAGEMENT

FLORAMITE when used as directed, combines high activity on mites with selectivity to predacious insects and beneficial mites. In addition, the unique chemistry of FLORAMITE 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.

To reduce selection pressure which can lead to the development of resistance, FLORAMITE 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 as soon as infestations are observed. Do not wait until large populations have established.
- Always apply FLORAMITE at the recommended rates and according to label recommendations.
- Use FLORAMITE as part of an insect control program, either in rotation with products of alternative chemical classes or in conjunction with biological control organisms available for mite control.
- Because of its selectivity, FLORAMITE is compatible with some biological control organisms available for mite control. FLORAMITE when used as directed, does not adversely affect populations of predacious insects and is selective for the following beneficial mites:
 - Phytoseiid mites: *Typhlodromus* (*Galendromus*) *occidentalis*,
Typhlodromus *pyri* and *Amblyseius* *fallacis*.
 - Stigmaeid mites: *Zetzellia mali*

The use of these organisms in conjunction or alternation with FLORAMITE 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 can be used safely on all ornamental plants. FLORAMITE 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 large scale application to ornamental plants, the user should determine the safety of FLORAMITE by testing a small number of the plant cultivar to be treated at the recommended rates to ensure that phytotoxic response will not occur. The end user assumes all risks arising out of application in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a dry location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Place water soluble bag directly into application equipment (see directions). Then dispose of empty outer bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

EMERGENCY ASSISTANCE:

UNIROYAL CHEMICAL EMERGENCY PHONE	203-723-3670
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SAFETY DATA AND INFORMATION	203-573-3303
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TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300
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IMPORTANT NOTICE

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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