

Fenpyroximate 5SC Miticide/Insecticide

Miticide/Insecticide

COMMERCIAL
SUSPENSION

GROUP	21	INSECTICIDE
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A MITICIDE/INSECTICIDE FOR USE ON INDOOR ORNAMENTALS GROWN IN GREENHOUSES AND INTERIORSAPES AND FOR USE ON GREENHOUSE TOMATOES, PEPPERS, EGGPLANTS AND CUCUMBERS. NOT FOR USE in lathehouses, hoopouses, shadehouses or any other structure that can be left open to the outside environment.

ACTIVE INGREDIENT: Fenpyroximate..... 5%

Contains 1,2-benzisothiazolin-3-one at 0.010% as a preservative.

or

Contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.00056% and 2-Methyl-4-isothiazolin-3-one at 0.00019% as preservatives.



**CAUTION - POISON
WARNING – EYE IRRITANT
KEEP OUT OF REACH OF CHILDREN**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

REGISTRATION NO.: 32245 PEST CONTROL PRODUCTS ACT

Net Contents: 0.1-1050 L

Nichino America, Inc.
4550 Linden Hill Road, Suite 501
Wilmington, DE 19808
United States
1-888-740-7700

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *PEST CONTROL PRODUCTS ACT* to use this product in a way that is inconsistent with the directions on the label.

FIRST AID:

- IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control centre or doctor for treatment advice.
- IF INHALED:** Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

There is no specific antidote for this product. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms.

Toxic to certain beneficial insects. May harm certain beneficial insects, including those used in greenhouse production.

IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL CALL

1-866-336-2983

PRECAUTIONS:**KEEP OUT OF THE REACH OF CHILDREN.**

Harmful if inhaled. Avoid breathing spray mist. Causes eye irritation. DO NOT get in eyes. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash separately from other laundry before reuse.

For application using a backpack sprayer or manually-pressurized handwand:

During mixing, loading, application, clean-up and repair workers must wear a long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and goggles or face shield.

For application using mechanically-pressurized handwand:

During mixing, loading, application, clean-up and repair workers must wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks and goggles or face shield.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protection equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Keep and wash PPE separately from other laundry.

DO NOT apply to interiorscape or plantscapes in buildings when occupants and/or bystanders are present.

DO NOT apply in any residential buildings such as homes, daycares, hospitals, schools or nursing homes.

DISPOSAL/DECONTAMINATION:

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill and for clean-up of spills.

Container Disposal**Recyclable container**

Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Empty container thoroughly into spray tank. Triple- or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container site in your area, dispose of the container in accordance with provincial or territorial requirements

STORAGE:

Store in a cool, dry, secure and well ventilated area. Store this product away from food or feed. Keep pesticide in original container. Not for use or storage in or around the home. Do not store near heat or open flame.

RESISTANCE MANAGEMENT:

For resistance management, Fenpyroximate 5SC Miticide/Insecticide contains a Group 21 miticide/insecticide. Any insect/mite population may contain individuals naturally resistant to Fenpyroximate 5SC Miticide/Insecticide and other Group 21 insecticides/miticides. The resistant individuals may dominate the insect/mite population if this group of insecticides/miticides is used repeatedly in the same sites. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Fenpyroximate 5SC Miticide/Insecticide or other Group 21 miticide/insecticide with different groups that control the same pests.
- Use tank mixtures with insecticides/miticides from a different group when such use is permitted.
- Miticide/insecticide use should be part of an IPM program that includes scouting and record keeping and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pest problems in your area.
- For further information and to report suspected resistance, contact Belchim Crop Protection Canada at 1-866-613-3336 or at www.belchimcanada.com.

DIRECTIONS FOR USE

GENERAL INFORMATION

Fenpyroximate 5SC Miticide/Insecticide is recommended for use on indoor and greenhouse ornamental crops, including flowering and foliage crops, nursery crops, non-bearing fruit trees and vines during greenhouse propagation as well as, greenhouse tomatoes, peppers, eggplants and cucumbers. The crops include only those crops grown in greenhouses and in interiorscapes. Fenpyroximate 5SC Miticide/Insecticide is a contact miticide/insecticide used for the control of spider mites and other listed pests of indoor ornamentals and vegetables. This product should be used in a program with other products to provide season long protection. Apply Fenpyroximate 5SC Miticide/Insecticide using sufficient water to obtain thorough coverage of plants. When pest pressure is high, use the highest rate and shortest spray interval.

Fenpyroximate 5SC Miticide/Insecticide works primarily through contact action and good spray coverage is necessary for optimal pest control. Apply Fenpyroximate 5SC Miticide/Insecticide when pests are immature or at a susceptible stage, when populations are building and prior to crop damage.

Fenpyroximate 5SC Miticide/Insecticide has been tested on a wide variety of common ornamental plants with no phytotoxic effects. However, not all plant species and their varieties and cultivars have been tested with all possible tank mix combinations, sequential pesticide treatments, adjuvants and surfactants. Local conditions also can influence crop tolerance and may not match those under which testing has been conducted. It is recommended that a crop tolerance test be conducted to ensure that a phytotoxic response will not occur as a result of applications.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

In Greenhouses DO NOT enter or allow worker re-entry for 12 hours after application. For all other uses DO NOT enter or allow re-entry until after residues have dried.

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

Do not apply this product as a smoke, fog or aerosol.

Do not apply this product using any type of airblast equipment.

Do not apply this product to plants used for animal feed.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other natural waters.

MIXING INSTRUCTIONS

1. Prior to mixing, clean the spray tank by following the sprayer clean-up recommendations on the previously sprayed product label.
2. Fill the spray tank one-half full of water and start agitation.
3. Shake Fenpyroximate 5SC Miticide/Insecticide container contents well before adding to the tank. Add the required amount of Fenpyroximate 5SC Miticide/Insecticide to the tank.
4. Continue agitation while filling tank to the desired spray volume.
5. Maintain agitation during mixing and spraying. DO NOT allow the spray mixture to stand without agitation. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.
6. After use, thoroughly rinse and clean the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

TANK MIXING PRECAUTIONS

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix

partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Belchim Crop Protection Canada at 1-866-613-3336 for information before applying any tank mix that is not specifically recommended on this label.

A tank-mix compatibility test is recommended prior to tank mixing Fenpyroximate 5SC Miticide/Insecticide with other products. Determine crop sensitivity prior to use of Fenpyroximate 5SC Miticide/Insecticide and its tank mix partner.

Do not tank mix Fenpyroximate 5SC Miticide/Insecticide with any product that has a label warning against such mixing.

APPLICATION INFORMATION

For greenhouse ornamentals, peppers, tomatoes, eggplants and cucumbers, applications may be made with high or low volume spray equipment. For high volume applications on indoor ornamental trees, vines, shrubs, foliage and flowering plants, apply Fenpyroximate 5SC Miticide/Insecticide up to 1000 L water/ha, depending on plant structure and amount of leaf area present and ensure uniform coverage.

APPLICATION RATES OF FENPYROXIMATE 5SC MITICIDE/INSECTICIDE ON INDOOR ORNAMENTALS GROWN IN GREENHOUSES AND INTERIORSAPES		
Pest	Rate (L product / 1000 L water)	Remarks
Spider Mites	1.25 – 1.9	Apply when pests are in immature stages or when populations reach economic thresholds. Fenpyroximate 5SC Miticide/Insecticide must be applied prior to crop damage.
Broad Mite (<i>Polyphagotarsonemus latus</i>)	1.9	
Cyclamen Mite (<i>Phytonemus pallidus</i>)		
Whiteflies (suppression only)		
Rotate Fenpyroximate 5SC Miticide/Insecticide with other registered miticides/insecticides with a different mode of action. Fenpyroximate 5SC Miticide/Insecticide may be re-applied at 21-day intervals up to a maximum of 7.6 L product/ha per year. Do not apply more than 1.9 L product/ha/application. Use the higher rate when spider mite pressure is moderate to high. Do not apply to any type of cut flowers.		

PLANT SPECIES TESTED FOR TOLERANCE TO FENPYROXIMATE 5SC MITICIDE/INSECTICIDE	
Common Name	Scientific Name Remarks

African violet	<i>Saintpaulia ionantha</i>
Azalea	<i>Rhododendron</i> spp.
Chrysanthemum	<i>Chrysanthemum morifolium</i>
Citrus, nonbearing	<i>Citrus</i> spp.
Coleus	<i>Coleus X hybridus</i>
Cotoneaster	<i>Cotoneaster</i> spp.
Dieffenbachia	<i>Dieffenbachia</i> spp.
English ivy	<i>Hedera helix</i>
Fern	<i>Davallia</i> spp.
Ficus	<i>Ficus</i> spp.
Geranium	<i>Geranium</i> spp.
Gerbera	<i>Gerbera</i> spp.
Grape, nonbearing	<i>Vitis</i> spp.
Hackberry	<i>Celtis occidentalis</i>
Hemlock	<i>Tsuga</i> spp.
Holly (e.g. blue, Burford, Japanese)	<i>Ilex</i> spp.
Hypoestes	<i>Hypoestes</i> spp.
Juniper (e.g. creeping, Parsons, upright)	<i>Juniperus</i> spp.
Marigold	<i>Tagetes erecta</i>
New Guinea impatiens	<i>Impatiens linearifolia</i>
Pittosporum	<i>Pittosporum</i> spp.
Poinsettia	<i>Euphorbia pulcherrima</i>
Pyracantha (firethorn, red firethorn)	<i>Pyracantha angustifolia, P. coccinea</i>
Rose, miniature	<i>Rosa</i> spp.
Schefflera	<i>Schefflera</i> spp.
Sweetpotato vine, ornamental	<i>Ipomoea batatas</i>
Zinnia	<i>Zinnia elegans</i>
Do not apply to any type of cut flowers.	

APPLICATION RATE OF FENPYROXIMATE 5SC MITICIDE/INSECTICIDE ON GREENHOUSE TOMATOES, PEPPERS AND EGGPLANTS		
Pest	Rate (L/ha)	Remarks
Broad mite (<i>Polyphagotarsonemus latus</i>)	2.5	Apply when pests are in immature stages or when populations reach economic thresholds. Fenpyroximate 5SC Miticide/Insecticide must be applied prior to crop damage.
Tomato russet mite (<i>Aculops lycopersici</i>)		
Spider Mites		
Whiteflies (suppression only)		
Apply Fenpyroximate 5SC Miticide/Insecticide in a minimum of 1000 L water/ha and ensure thorough coverage of the foliage. Do not apply more than once per crop cycle. Do not apply within 1 day of harvest.		

APPLICATION RATE OF FENPYROXIMATE 5SC MITICIDE/INSECTICIDE ON GREENHOUSE CUCUMBERS		
Pest	Rate (L/ha)	Remarks
Broad mite (<i>Polyphagotarsonemus latus</i>) Spider Mites Whiteflies (suppression only)	2.5	Apply when pests are in immature stages or when populations reach economic thresholds. Fenpyroximate 5SC Miticide/Insecticide must be applied prior to crop damage.
Apply Fenpyroximate 5SC Miticide/Insecticide in a minimum of 1000 L water/ha and ensure thorough coverage of the foliage. Do not apply more than once per crop cycle. Do not apply within 1 day of harvest.		

Container Label

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