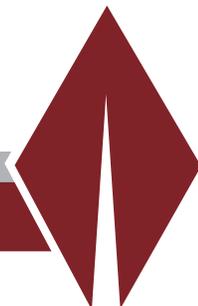


# ORIKI™

## 5 SC



**Contains fenpyroximate, the active ingredient used in Akari® 5 SC.**

**FOR USE ON ORNAMENTALS GROWN IN GREENHOUSES  
AND NURSERIES, GREENHOUSE CUCUMBERS, GREENHOUSE  
TOMATOES, GREENHOUSE PEPPERS, ORNAMENTAL TREES, VINES, SHRUBS, FOLIAGE, AND FLOWERING PLANTS**

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
<b>Fenpyroximate:</b> Benzoic acid, 4-[[[(E)-[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl)methylene] amino]oxy]methyl]-, 1,1-dimethylethyl ester .....	5.0%
<b>OTHER INGREDIENTS:</b> .....	95.0%
<b>TOTAL:</b> .....	100.0%

Contains 0.42 lb. active ingredient per gallon.  
EPA Reg. No.: 91234-415

## KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)**  
See inside label booklet for First Aid, Precautionary Statements, and Directions for Use.

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	
NOTE TO PHYSICIAN	
There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

**For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING - AVISO

Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils., neoprene rubber  $\geq$  14 mils., polyvinyl chloride (PVC)  $\geq$  14 mils., or Viton  $\geq$  14 mils.
- Shoes plus socks
- Protective eyewear

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Do not reuse them.

#### User Safety Recommendations

##### Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is very highly toxic to fish and aquatic invertebrates.

**For terrestrial uses:** Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having medium to high potential for reaching both surface water and aquatic sediment via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this chemical from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come in contact with any oxidizing agent. Hazardous chemical reaction may occur.

#### Minimum Honeybee Toxicity

**Fenpyroximate is practically nontoxic to bees through acute contact and acute oral exposure when applied to listed crops according to the label directions.**

#### 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 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 State or Tribal agency responsible for pesticide regulation.

#### ENDANGERED SPECIES PROTECTION REQUIREMENTS

This product may have effects on endangered species. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. To obtain Bulletins, no more than six months before using this product, consult <http://www.epa.gov/espp/> or call 1-844-447-3813. You must use the Bulletin valid for the month in which you will apply the product.

#### 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) and restricted-entry interval. 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.

For early entry into 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, wear:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils., neoprene rubber  $\geq$  14 mils., polyvinyl chloride (PVC)  $\geq$  14 mils., or Viton  $\geq$  14 mils.
- Shoes plus socks
- Protective eyewear

## NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including interiorscapes and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

## PRODUCT INFORMATION

**Oriki 5 SC** is a contact miticide/insecticide used for the control of several mite and insect species on cucumbers, tomatoes, and peppers grown in the greenhouse; and all ornamental crops including flowering and foliage crops, nursery crops, nonbearing fruit trees and vines; and Christmas trees. These include those crops grown in greenhouses, shade and lathe houses, outdoor nurseries and fields, and in interiorscapes.

The use directions of this product are based on the results of product testing programs on a wide variety of ornamental plants. However, it is impossible to test this product on all species and cultivars. This product's phytotoxicity has been assessed on a wide variety of common ornamental plants with no phytotoxicity. However, not all plant species and their varieties and cultivars have been tested with possible tank-mix combinations, sequential pesticide treatments, and adjuvants and surfactants. Local conditions also can influence crop tolerance and may not match those under which testing has been conducted. Therefore, before using this product, test it on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

This product should be used in a program with other products to provide season-long protection. Apply as a spray as set forth in the **APPLICATION DIRECTIONS** section of this label, using sufficient water volume to obtain thorough coverage of plants. Under severe mite and insect pressure, use the maximum rates and the shorter spray interval as specified on the label. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly.

**Oriki 5 SC** is a 5% suspension concentrate containing 0.42 lb. of fenpyroximate per gallon, which, when mixed with water according to the **DIRECTIONS FOR USE**, will control mite and insect pests on ornamentals and labeled greenhouse vegetables.

**Oriki 5 SC** works primarily through contact action, **so thorough spray coverage is necessary**. Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Treat plants when pests are at a susceptible stage and populations are building before crop damage occurs.

**Oriki 5 SC** stops feeding immediately after application. It provides this immediate stop-feeding action together with a cessation of egg laying before mites die 4 to 7 days after exposure.

Target Species	
Apple Rust Mite*	Mealybug Species
Asian Citrus Psyllid	Mint Bud Mite
Avocado Brown Mite	Pacific Spider Mite
Banks Grass Mite	Pear Psylla
Broad Mite	Pear Rust Mite
Carmine Mite	Pecan Leaf Scorch Mite
Citricola Scale	Persea Mite
Citrus Bud Mite	Plum Nursery Mite
Citrus Flat Mite	Potato Leafhopper
Citrus Leafminer*	Powdery Mildew*
Citrus Red Mite	Six Spotted Mite
Citrus Rust Mite	Strawberry Spider Mite
Citrus Thrips*	Texas Citrus Mite
Cyclamen Mite	Tomato (Potato) Psyllid
European Red Mite	Tomato Russet Mite
Frosted scale (juvenile)	Two-Spotted Spider Mite
Gills mealybug	Variiegated Leafhopper
Glassy-Winged Sharpshooter*	White Apple Leafhopper
Grape Leafhopper	Whiteflies*
Hazelnut-Filbert Bud Mite	Willamette Spider Mite
Mcdaniel Mite	

\*Suppression

## USE OF ADJUVANTS

When thorough coverage is a concern, use a spray adjuvant to maximize uniformity of coverage and performance of this product. Use a non-ionic activator type wetting, spreading or penetrating adjuvant or horticultural spray oil adjuvant. Do not use a dormant oil, or binder or sticker-type adjuvant. Non-ionic adjuvants (NIS) should contain at least 75% surfactant. Crop oil concentrates (COC), methylated seed or vegetable oils (MSO), organosilicone products (OS), or blends of these adjuvants should contain at least 15% emulsifier/surfactant. Check compatibility of any adjuvant used with this product before using. Follow the **Directions for Use** on each adjuvant product label for rates of use and use restrictions.

## COMPATIBILITY OF SPRAY MIXTURES

**Oriki 5 SC** is believed to be compatible with most commonly used fungicides, insecticides, micronutrients, growth regulators, and spray adjuvants. Consult specific product labels for additional information. It is always a good idea to conduct a tank-mix compatibility test when you plan to mix this product with other products.

To determine the physical compatibility of this product with other products, use a jar test. Using a jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. It is suggested that combinations be used on a small number of plants before treating large areas to check for cultivar sensitivity.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

## MIXING DIRECTIONS

### Shake well before using.

Please read **COMPATIBILITY OF SPRAY MIXTURES** section prior to any tank mixing with this product. Begin with clean equipment. Prepare only the amount of spray solution needed to treat the target area. Add sufficient clean water to the spray tank for one-half of the mix load. Where possible, start agitation and properly suspend the necessary amount of this product in the tank. Agitate to ensure thorough mixing while adding the remaining required water volume and other products. This product should be properly suspended and diluted prior to the addition of any adjuvant or before spraying. Consult the adjuvant label or manufacturer for crop tolerance and safety information when using this product. Maintain agitation during mixing and application. If agitation is stopped for any reason, the spray solution must be thoroughly remixed prior to further use.

## APPLICATION RESTRICTIONS

- Do not apply within 75 feet of fish-bearing waters.
- In Florida, do not use on bearing or non-bearing commercial fruit trees and vines.
- Do not apply this product through any type of irrigation system.
- Do not use products with the same mode of action in consecutive applications.
- Do not apply this product as a smoke or aerosol.
- Do not apply to fruit trees and vines that will bear harvestable fruit within 12 months unless the crop appears on the label.

## APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for mite control.

Apply **Oriki 5 SC** using a properly calibrated sprayer in a minimum of 100 gallons of water per acre to ensure uniform, adequate coverage. Be sure to apply in sufficient water to obtain thorough coverage of all plant parts.

- Apply with high or low volume spray equipment to greenhouse cucumbers, greenhouse tomatoes, and greenhouse peppers
- Apply with high volume, low volume, or ultra-low volume (thermal and non-thermal foggers, misters, etc.) spray equipment to ornamental trees, vines, shrubs, foliage, and flowering plants

Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information. Except for use on greenhouse cucumbers, greenhouse tomatoes, and greenhouse peppers, a wetting agent or other spray adjuvant, approved for use on the crop, may be added to spray solutions according to the manufacturer's use instructions to achieve optimum mite and insect control.

For best results, apply when pest populations are beginning to build, before reaching economic thresholds. Consult your local agricultural advisor, state cooperative extension service, or regional Atticus, LLC representative for further information.

## RESISTANCE MANAGEMENT

For resistance management, **Oriki 5 SC** contains a Group 21A insecticide/miticide. Any insect/mite population may contain individuals naturally resistant to **Oriki 5 SC** and other Group 21A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of **Oriki 5 SC** or other Group 21A insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800.

**APPLICATION RATES FOR ORIKI 5 SC**  
**Cucumbers, Tomatoes, and Peppers Grown in Greenhouses**

PESTS	APPLICATION RATE FL. OZ./100 GALLONS	USE DIRECTIONS
Mites (see <b>Target Species</b> ) Tomato (Potato) psyllid Whiteflies*	16 to 32 (0.053 to 0.105 lb. ai)	Apply with low or high volume ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.

**USE RESTRICTIONS**

- Do not apply through any type of irrigation system.
- Do not apply in Ultra Low Volume Equipment.
- Do not apply more than 100 gallons spray per acre.
- Do not apply more than 64 fl. oz. (0.210 lb. ai) per acre per crop cycle.
- Do not make more than 2 applications per crop cycle.
- Do not make more than 4 applications per year.
- Allow 14 days between applications.
- **Preharvest Interval (PHI):** 1 day

\*Suppression

**Ornamental Trees, Vines, Shrubs, Foliage, and Flowering Plants**

PESTS	APPLICATION RATE FL. OZ./100 GALLONS	USE DIRECTIONS
Spider mites	16 to 24 (0.053 to 0.079 lb. ai)	Use in sufficient volume to obtain uniform plant coverage.
Tarsonemid mites Broad mite ( <i>Polyphagotarsonemus latus</i> ) Cyclamen mite ( <i>Phytonemus pallidus</i> )	24 (0.079 lb. ai)	100 gallons of spray will typically cover 20,000 sq. ft. of greenhouse.
Eriophyid mites (rust, gall, and bud mites) including but not limited to: Hemlock rust mite ( <i>Nalepella tsugifoliae</i> ) Hackberry rust mite		Use the lower rate for low to moderate spider mite populations.
Mealybugs <sup>1</sup> , including but not limited to: Citrus mealybug ( <i>Planococcus citri</i> ) Long-tailed mealybug ( <i>Pseudococcus longispinus</i> )		

**USE RESTRICTIONS**

- Do not apply within 75 feet of fish-bearing waters.
- Do not apply by air.
- Do not make more than 2 applications per crop cycle.
- Do not make more than 2 applications per year.
- Do not apply more than 10 gallons of spray per 1,000 sq. ft. per application.
- Do not apply more than 48 fl. oz. (0.158 lb. ai) per 20,000 sq. ft. per year.
- Allow 14 days between applications.

<sup>1</sup>For **suppression** of certain mealybug pests, use in sufficient volume to obtain uniform plant coverage

# STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children and pets, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## **CONTAINER HANDLING:**

**For plastic containers ≤ 5 gallons: Nonrefillable Container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: Nonrefillable container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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**Akari®** is a registered trademark of Nichino America, Inc.