1051.61

Akari® 5SC

Miticide/Insecticide

SePRO

GROUP	21A	INSECTICIDE

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

Active Ingredient:

fenpyroximate: *Tert*-butyl(E)-α-(1,3-dimethyl-5-phenoxypyrazol -4-ylmethyleneaminoxy)-p-toluate 5.0%

Other Ingredients 95.0%

TOTAL 100.0%

Contains 0.42 lb active ingredient per U.S. gallon

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 booklet for additional precautionary statements and Directions for Use, including Storage and Disposal.

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Conditions, Disclaimer of Warranties, and Limitation of Liability* at the end of the label booklet. If terms are unacceptable, return unopened at once.**

EPA Reg. No. 71711-4-67690 EPA Est. No. 067690-NC-002
FPL20170905 165105

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

Manufactured for: **SePRO Corporation** 11550 North Meridian Street
Suite 600, Carmel, IN 46032 U.S.A.

Net contents 1 quart (Non-refillable)

Akari® 5SC Miticide / Insecticide

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep Out Of Reach of Children

WARNING / AVISO

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

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. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product, including human health concerns and medical emergencies, you may call **INFOTRAC** at **1-800-535-5053.** In case of fire or spills, information may be obtained by calling **INFOTRAC** at **1-800-535-5053.**

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Protective eyewear
- Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber and/or Viton™)
- Shoes plus socks

USER SAFETY REQUIREMENTS

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.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water.
- Do not use the toilet before thoroughly washing hands.
- If this product penetrated through your clothing or personal protective equipment, stop handling this product immediately, remove the clothing and equipment, wash your body thoroughly, and put on clean clothing and equipment before resuming the handling activity.
- After handling this product, remove personal protective equipment immediately. Wash the outside of gloves before taking them off. Shower or wash thoroughly and change into clean clothing as soon as possible.
- Discard clothing and personal protective equipment that cannot be reused, including clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Otherwise, wash clothing and personal protective equipment (including both the inside and outside of gloves) before each day of reuse according to manufacturer's directions or, if no such directions, in detergent and hot water. Keep and wash them separately from other laundry.

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 rain water. This is especially true for poorly draining soils and soils with shallow ground water. 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.

Minimum Honey Bee Toxicity
Fenpyroximate is practically nontoxic to bees and wasps when applied to listed crops according to the label directions.

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 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
- Protective eyewear
- Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, and/or Viton™)
- Shoes plus socks

NON-AGRICULTURAL 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.

GENERAL INFORMATION

Akari® 5SC Miticide/Insecticide 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.

Akari 5SC Miticide/Insecticide 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.

Akari 5SC miticide/insecticide 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.

Akari 5SC miticide/insecticide 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*	Pacific spider mite
Asian citrus psyllid	Pear psylla
Avocado Brown mite	Pear rust mite
Banks grass mite	Pecan leaf scorch mite
Broad mite	Persea mite
Carmine mite	Plum nursery mite
Citricola scale	Potato leafhopper
Citrus bud mite	Powdery Mildew*
Citrus leafminer*	Six spotted mite
Citrus red mite	Strawberry spider mite
Citrus rust mite	Texas citrus mite
Citrus thrips*	Tomato (Potato) psyllid
Cyclamen mite	Tomato russet mite
European red mite	Two-spotted spider mite
Glassy-winged sharpshooter*	Variegated leafhopper
Grape leafhopper	White apple leafhopper
McDaniel mite	Whiteflies*
Mealybug species	Willamette spider mite
Mint bud mite	

*suppression

USE OF ADJUVANTS

When thorough coverage is a concern, it is recommended that a spray adjuvant be used 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

Akari 5SC miticide/insecticide 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.

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.

USE 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 **Akari 5SC miticide/insecticide** 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 SePRO Technical Specialist for further information.

RESISTANCE MANAGEMENT

Repeated use of the same chemistry has been shown to result in the buildup of resistant strains of mites or other insects. Do not use this product in successive miticide applications. Rotate the use of this product with alternate mode of action insecticides:

- Miticides must be rotated with alternate products **for resistance management.**
- **Do not use products with the same mode of action [METI-2 inhibitor/IRAC Group 21A] in consecutive applications.**

Application Rates for Akari 5SC Miticide/Insecticide on Cucumbers Grown in Greenhouses		
Pests	**Application Rate Fl. Oz./100 Gallons**	**Use Directions**
Spider mites Whitefly*	16 to 32 fl oz (0.053 to 0.105 lb ai)	USE RESTRICTIONS • Do not apply through any type of irrigation system. • Do not apply in Ultra Low Volume Equipment. • Do not apply more than 32 fl oz (0.105 lb. ai) per acre per crop cycle. • Do not make more than 1 application per growing season. • Do not make more than 2 applications per year. • Preharvest Interval (PHI): 7 days APPLICATION RECOMMENDATIONS • 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.
*suppression		

Application Rates for Akari 5SC Miticide/Insecticide on Tomatoes and Peppers Grown in Greenhouses		
Pests	**Application Rate Fl. Oz./100 Gallons**	**Directions for Use**
Mites Potato Psyllid Whitefly*	16 to 32 fl oz (0.053 to 0.105 lb ai)	USE RESTRICTIONS • Do not apply through any type of irrigation system. • Do not apply in Ultra Low Volume Equipment. • Do not apply more than 4.0 pints (0.2 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 APPLICATION RECOMMENDATIONS • 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.
*suppression		

Application Rates for Akari 5SC Miticide/Insecticide on Ornamental Trees, Vines, Shrubs, Foliage, and Flowering Plants		
Pests	**Application Rate Fl. Oz./ 100 Gallons**	**Use Directions**
Spider mites	16 to 24 fl oz (0.053 to 0.079 lb ai)	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 year. • Allow 14 days between applications. • 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 crop cycle or per growing season, whichever is longer. APPLICATION RECOMMENDATIONS • Use the lower rate for low to moderate mite populations. • Use in sufficient volume to obtain uniform plant coverage. 100 gallons of spray will typically cover 20,000 sq. ft. of greenhouse. *For suppression of certain mealybug pests, use in sufficient volume to obtain uniform plant coverage. 100 gallons of spray will typically cover 20,000 sq. ft. of greenhouse.
Tarsonemid mites • Broad mite *(Polyphagotarsonemus latus)* • Cyclamen mite *(Phytonemus pallidus)*	24 fl oz (0.079 lb ai)	
Eriophyid mites (rust, gall, and bud mites) including but not limited to: • Hemlock rust mite *(Nalepella tsugifoliae)* • Hackberry rust mite	24 fl oz (0.079 lb ai)	
Mealybugs*, including but not limited to: • Citrus mealybug *(Planococcus citri)* • Long-tailed mealybug *(Pseudococcus longispinus)*	24 fl oz (0.079 lb ai)	

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Store in original container, and keep tightly closed when not in use. Store in a cool, dry place inaccessible to children and pets.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
CONTAINER HANDLING:
Nonrefillable plastic container (less than 5 gallons)
Nonrefillable container. Do not reuse or refill this container. Clean container 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be accurate and must be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of SePRO Corporation (SePRO), it is impossible for SePRO to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. To the extent consistent with applicable law, all such risks are assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of SePRO is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, SePRO disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT THE ELECTION OF SePRO CORPORATION, THE REPLACEMENT OF PRODUCT.

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NOTES

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If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
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