



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

71711-4

Date of Issuance:

SEP 27 2000

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product

AKARI 5SC Miticide-
Insecticide

Name and Address of Registrant (include ZIP Code):

Nihon Nohyaku
724 Yorklyn Road Suite 315
Hockessin, DE 19707

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Once a pesticide is registered. However, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

The product is conditionally registered as stated above provided that you do the following:

1. The following data must be submitted:

a. Additional confirmatory data must be submitted for the existing rat developmental study including the additional historical control data.

b. A 28-day inhalation study is also required.

Signature of Approving Official:

Marion Johnson PM/IB/RD

Date: SEP 27 2000

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c. An aerobic soil metabolism and adsorption/desorption (batch equilibrium) study will be required to provide a basic exposure profile for the chemical.

3. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 71711-4".

b. The following labeling requirements should be incorporated as part of the Precautionary Statements Environmental Hazards paragraph:

"This pesticide is very highly toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate."

c. Revise the Precautionary Statements "Hazards to Humans and Domestic Animals" paragraph to include: "Harmful if swallowed".

d. In accordance with PR Notice 2000-3. Revise the Statement of Practical treatment to read:

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 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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN 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.

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4. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on greenhouse ornamentals (non-food) is conditionally registered in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30. The information should be submitted to:

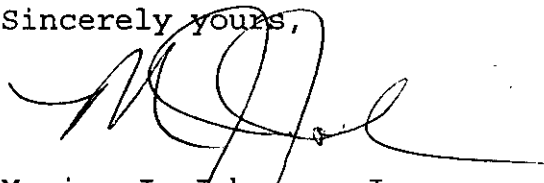
U.S. Environmental Protection Agency
Office of Pesticide Programs (7505C)
Document Processing Desk
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

5. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with on or before **September 27, 2003**, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Marion J. Johnson, Jr.
Product Manager 10
Insecticide Branch
Registration Division 7505c

Nihon Nohyaku

4/8
ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 2 2000

AKARI 5SC[®]
MITICIDE/INSECTICIDE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
71711-4

**FOR USE ON GREENHOUSE ORNAMENTAL FLORAL AND FOLIAGE CROPS,
INDOOR ORNAMENTAL PLANTINGS AND PLANTSCAPES**

Active ingredient:

**Tert-butyl(E)- α -(1,3-dimethyl-5-phenoxy)pyrazol
-4-ylmethylethylamineoxy)-p-toluate.....5.0%**
Other ingredients:.....95.0%
Total 100.0%

EPA Reg. No. 71711-

EPA Estab. No. 67017-JP-001

(Contains 0.42 lb. Active ingredient per U.S. gallon)

KEEP OUT OF THE REACH OF CHILDREN
WARNING

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING

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 before reuse. Causes substantial but temporary eye injury.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Protective eyewear
- Waterproof gloves
- Shoes plus socks

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 manufacturers directions or, if no such directions, in detergent and hot water. Keep and wash them separately from other laundry.

NIHON NOHYAKU AMERICA, INC.
724 YORKLYN RD., SUITE 315
HOCKESSIN, DE 19707

NET CONTENTS: _____

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse, or equivalent. Then offer for recycling or reconditioning, or puncture and dispose if in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 agency in your State 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) 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.

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
- Waterproof gloves
- Shoes plus socks

GENERAL INFORMATION

Akari 5SC is a contact miticide used for the control of spider mites on ornamentals. This product should be used in a program with other products to provide season long protection. Apply as a spray in the "Application Directions" section of this label, using sufficient water volume to obtain thorough coverage of plants. Under severe mite conditions, 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 is a 5% Suspension Concentrate which contains 0.42 lb. of fenpyroximate per gallon which when mixed with water according to the directions for use will control spider mites on ornamentals.

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

Akari 5SC provides excellent knockdown and residual control. A good evaluation of performance can generally be made 4-7 days after treatment.

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Compatibility of Spray Mixtures: Akari 5SC 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 Akari 5SC with other products. To determine the physical compatibility of Akari 5SC 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, all this mixture to stand for 5 minutes. If the combination remains mixed or can be re-mixed 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 Akari 5SC. 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 Akari 5SC in the tank. Agitate to ensure thorough mixing while adding the remaining required water volume and other products. Akari 5SC should be properly suspended and diluted prior to the addition of any adjuvant or before spraying. Consult the adjuvant label or manufacture for crop tolerance and safety information when using Akari 5SC. Maintain agitation during mixing and application. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to further use.

APPLICATION DIRECTIONS

GREENHOUSE USE:

Akari 5SC is recommended for use on all ornamental flowering and foliage crops in greenhouses and other structures with impermeable roofs where ornamental crops are grown. The Use Directions of this product are based on the results of product testing programs on a wide variety of greenhouse ornamental plants. However, it is impossible to test this product on all species and cultivars. The phytotoxicity of Akari 5SC has been assessed on a wide variety of common ornamental plants with no phytotoxicity. 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. Local conditions can also influence crop tolerance and may not match those under which testing has been conducted. Therefore, before using Akari 5SC, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications. Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for mite control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. A wetting agent or other spray adjuvant, approved for use on the crop, may be added to spray solutions according to manufacture's use instructions to achieve optimum mite control.

Resistance Management: DO NOT use Akari 5SC in successive miticide applications in the same greenhouse. Allow at least 2 different chemicals with different modes of action to be used between treatments of Akari 5SC. Consult your local Horticultural Advisor for the most appropriate alternative products. Resistance management strategies should include alternation or tank mixtures with a miticide currently recommended for spider mite control. Resistance management strategies recommend that you DO NOT apply rates lower than recommended on the label. For best results, make no more than two applications of Akari 5SC per growing season, or per crop cycle, whichever is longer.

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TABLE 1. Recommended Application Rates for Akari 5SC on Greenhouse Grown Ornamental Trees, Shrubs, Plants, and Flowers

PEST	APPLICATION RATE Fl. Oz./100 GALLONS [†]	SPECIFIC DIRECTIONS ^{††}
Spider mites	12-24 ounces	Use in sufficient volume to obtain uniform plant coverage. 100 gallons of spray will typically cover 20,000 sq. ft of greenhouse.

[†] Use the lower rate in the rate range for low to moderate mite populations

^{††} Do not apply more than 10 gallons of spray per 1000 sq. ft. per application. Do not apply more than 48 fl oz per crop cycle or per growing season, whichever is longer.

Akari 5SC is recommended for use on all greenhouse ornamental plantings including those listed in Table 2.

TABLE 2. List of Plant Species Tested for Tolerance to Akari 5SC[†]

Common Name	Scientific Name
Chrysanthemum	<i>Chrysanthemum morifolium</i>
Dieffenbachia	<i>Dieffenbachia spp.</i>
Fern	
Ficus	<i>Ficus spp.</i>
Geranium	<i>Geranium spp.</i>
Gerbera	<i>Gerbera spp.</i>
Hypoestes	<i>Hypoestes spp.</i>
Marigold	<i>Tagetes erecta</i>
Mini Rose	<i>Rosa spp.</i>
New Guinea Impatiens	<i>Impatiens linearifolia</i>
Poinsettia	<i>Euphorbia pulcherrima</i>
Schefflera	<i>Schefflera spp.</i>
Zinnia	<i>Ainnia elegans</i>

[†] Local conditions can influence crop tolerance, and may not match those which these species were tested. Before using Akari 5SC test the product on a small sample of the crop to be treated.

USE PRECAUTIONS

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

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

Do not enter the entire enclosed area (treated area) without protective equipment for 12 hours unless one of the following items is completed:

1. Ten air exchanges
2. Two hours of system ventilation
3. Four hours of ventilation using vents, windows, or other passive ventilation
4. Eleven hours with no ventilation followed by 1 hour of mechanical ventilation
5. Eleven hours with no ventilation followed by 2 hours of passive ventilation
6. All required PPE is worn.

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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 should be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of Nihon Nohyaku America, Inc. (NNAI), it is impossible for NNAI to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks are assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: 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 NNAI is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. NNAI 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: 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 NIHON NOHYAKU AMERICA, THE REPLACEMENT OF PRODUCT.

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