



U.S. ENVIRONMENTAL PROTECTION AGENCY

OFFICE OF PESTICIDE PROGRAMS
1200 Pennsylvania Avenue N.W.
Washington, DC 20460-0001

EPA Reg. No.
400-514

Date of Issuance
FEB 10 2005

Term of Issuance
Conditional

Name of Pesticide Product
Acramite® - 4SC

NOTICE OF PESTICIDE

Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Crompton Corporation
74 Amity Road
Bethany, CT 06524-3402

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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

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 §3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA sec. 4.
2. Replace the "EPA File Symbol 400-LRU" with "EPA Reg. No. 400-514"
3. Add "Avoid breathing spray mist" to the first paragraph under PRECAUTIONARY STATEMENTS on page 2.

A stamped copy of the draft label is enclosed. Submit a copy of your final printed labeling before you release the product for shipment. Your release of the product for shipment constitutes acceptance of these conditions. If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Should you have any questions, do not hesitate to contact the reviewer of this product, Mr. S. Oonnithan at 703-605-0368.

Signature of Approving Official:

Daniel C. Kenny
Product Manager (01)
Insecticide Rodenticide Branch
Registration Division (7505C)

Date:

FEB 10 2005

Acramite®-4SC

Agricultural Miticide
For agricultural use only

Net Contents:

Active Ingredient: (% by weight)	
bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl) 1-methylethyl ester	43.2%
Inert Ingredients:	56.8%
Total	100.0%

Contains 4 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

- IF SWALLOWED:**
- Call 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.

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

CROMPTON EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 10 2005

Under the Federal Insecticide, Fungicide, and Herbicide Act as amended, this product is registered under EPA Reg. No. 400-514

EPA REG. NO. 400-
EPA EST. NO.
006

Crompton Manufacturing Company, Inc.
Middlebury CT 06749

Crompton
Crop Protection

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and Other Handlers Must Wear: Long-sleeved shirt & long pants; shoes plus socks. When not using a closed system, wear apron and chemical-resistant gloves made of any waterproof material for mixing/loading activities. 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 or rinsate. This product is toxic to bees exposed to direct treatment but residues on treated foliage are not toxic to bees. Do not apply this product while 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 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
- shoes plus socks
- chemical-resistant gloves made of any waterproof material

GENERAL INFORMATION

ACRAMITE®-4SC is a suspension concentrate (flowable). It is a selective miticide for the control of a variety of mite pests on the crops listed on this label. When used as directed and applied to the foliage, it provides quick knockdown through contact activity, and long residual control. Due to its unique chemistry, mode of action and selective nature, ACRAMITE-4SC is relatively inactive against beneficial/predaceous mites and insects and therefore is compatible with IPM and resistance management programs.

ACRAMITE-4SC is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces is necessary for effective control.

MIXING INSTRUCTIONS

Fill spray tank with 1/2 the desired amount of water. Then add the required amount of ACRAMITE-4SC with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water.

ACRAMITE-4SC has been shown to degrade rapidly when mixed and stored with alkaline water of high temperature (122° F). Water hardness should be reduced with any ammonium sulfate containing water treatment **before** adding any adjuvant or ACRAMITE-4SC. Then adjust the pH to acidic range if needed.

Restrictions: Tank mixtures are permitted only in those states where the tank mix portion is registered. When tank mixing, follow the label directions for most restrictions of label precautions and limitations.

Compatibility: To obtain broad spectrum insect control. ACRAMITE-4SC 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

For ground application, apply a minimum of 20 gal. spray solution per acre (GPA) using equipment such as, but not limited to, compressed air, hydraulic ground boom or air-blast sprayers. **For aerial application,** apply a minimum of 5 GPA of spray solution (or the minimum permitted by your state) using either a fixed-wing aircraft or helicopter. Always use a spray volume adequate to assure complete coverage of the crop canopy.

To provide maximum residual control, application should be made as soon as mites appear. Use the lower rate where mite infestations are light. The higher rate may be required for heavy infestations or for extended residual control.

When used as directed, ACRAMITE-4SC 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. ACRAMITE-4SC is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (*Tetranychus* species).

MITES CONTROLLED

Banks grass	Pacific spider
Brown almonc	Pecan leaf scorch
Clover	Strawberry spider
European red (use maximum rate)	Two-spotted spider
McDaniel	Willamette

USE INSTRUCTIONS

CROP	AMOUNT ACRAMITE-4SC PER ACRE	MINIMUM GALLONS PER ACRE		TOTAL NUMBER OF SPRAYS PER YEAR	EARLIEST HARVEST DAYS AFTER APPLICATION (PHI DAYS)
		GROUND	AIR		
COTTON	12 - 24 oz ⁽¹⁾	20	5 ⁽²⁾	1	60

- (1) Use the higher rate under heavy mite pressure.
- (2) Use minimum of 5 gallons per acre or the minimum permitted by your state.

STRATEGIES FOR RESISTANCE PREVENTION

When used as directed, ACRAMITE-4SC combines high activity on mites with safety to beneficial/predaceous mites and insects. In addition, the unique chemistry of ACRAMITE-4SC provides a means of controlling mites which have developed resistance to commonly used products. These properties can result in fewer miticide/insecticide applications as well as general reduction in the problems caused by resistance.

The following mite control strategies are recommended:

- Incorporate IPM techniques into your insect control program.
- Ensure thorough spray coverage to all foliage.
- Scout regularly and apply ACRAMITE-4SC as soon as infestations are observed. Do not wait until large populations have established.
- Always apply ACRAMITE-4SC at the recommended rates and according to label recommendations.
- Because of its selectivity, ACRAMITE-4SC can be used in conjunction with most biological control organisms available for mite control. ACRAMITE-4SC, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects including:

Common Name	Scientific Name
Predatory mite	<i>Amblyseius fallacis</i>
Predatory mite	<i>Phytoseiulus persimilis</i>
Western predatory mite	<i>Typhlodromus occidentalis</i>
Predatory mite	<i>Typhlodromus pyri</i>
Predatory mite	<i>Zetzellia mali</i>
Sevenspotted lady beetle	<i>Coccinella septempunctata</i>
Spider mite destroyer	<i>Stethorus punctum</i>
Common lacewing	<i>Chrysopa carnea</i>
Insidious flower bug	<i>Orius insidiosus</i>
Sixspotted thrips	<i>Scolothrips sexmaculatus</i>
Western flower thrips	<i>Frankliniella occidentalis</i>

The use of these organisms in conjunction with ACRAMITE-4SC is encouraged as a means of reducing the number of chemical applications.

ALWAYS SHAKE OR STIR THIS PRODUCT WELL BEFORE USE

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Store in a dry location.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Plastic Container: Triple rinse (or equivalent). Pressure rinse is preferred. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT NOTICE—Sellers 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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