

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

February 27, 2007

**Chemtura USA Corporation**  
**199 Benson Road 2-4**  
**Middlebury, Connecticut 06749**

5-803073-219  
1180

**Attention: Tim Weiland, Ph.D.**

**Subject** Acramite-4SC  
EPA Reg. No.400-514  
Amendment to add tuberous and corm vegetables, succulent Pea (Garden and edible) to the Acramite-4SC label dated September 20, 2006.

The submission referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable with the following comments:

- Comments**
1. These data deficiencies must be addressed:
    - a. Storage stability data on succulent-shelled peas and edible podded-pea field trial data (storage stability data validating the relevant intervals should also be submitted – OPPTS 860.130 Storage Stability Data).
- Label Comments**
2. In the **ENVIRONMENTAL HAZARDS** statement add the phrase “birds, estuarine/marine invertebrates, and” to the first sentence to read:
 

“This pesticide is toxic to birds, estuarine/marine invertebrates, and fish.”

In the fourth sentence, delete the statement: “but residues on treated foliage are not toxic to bees.”
- Label Comments (Cont.)**
3. The proposed use of bifenazate under this Section 3 registration may harm threatened and endangered species of birds; there are no currently listed endangered/threatened species of estuarine/marine invertebrates. The Agency has developed the Endangered Species Program to identify pesticides whose use may cause adverse impacts on endangered/threatened species and to implement mitigation

measure that will eliminate the adverse impacts. At present, the program is being implemented on a interim basis as described in a Federal Register notice (54 FR 27984-28008, July 3, 1989) and is providing information to pesticide users to help them protect these species on a voluntary basis. As currently planned, the final program will call for label modifications referring to required limitations on pesticide uses, typically as depicted in county-specific bulletins or by other site-specific mechanisms as specified by state partners. A final program, which may be altered from the interim program, will be described in a future Federal Register notice. The Agency is not imposing label modifications at this time through this Section 3 petition. Rather, any requirements for product use modifications will occur in the future under the Endangered Species Protection Program. Currently available county specific information, maps and a downloadable version of the Endangered Species data base can be found on the Internet at the Agency's web site, <http://www.epa.gov/EAPP>.

4. Revise the Warranty statement to read: "To the extent consistent with applicable law, seller makes no warranty, expressed or implied, concerning..."
5. Submit two (2) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registrations will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.
6. A copy of the label stamped "accepted" is enclosed for your records.

**Questions**

If you have any questions or comments about this letter, please contact me at 703-605-0716 (by phone), 703-305-6920 (by fax), or [mccann.geri@epa.gov](mailto:mccann.geri@epa.gov) (by E-Mail).

Sincerely,

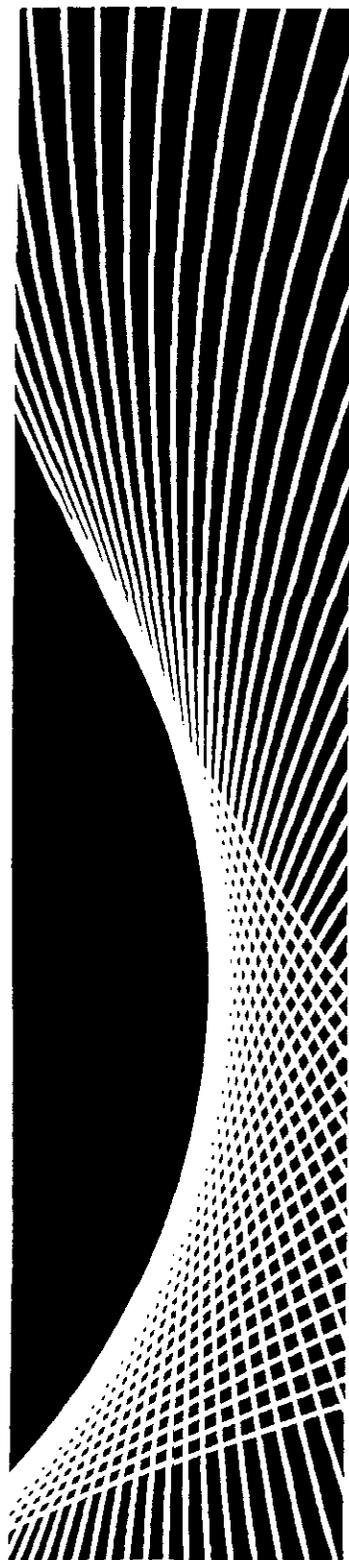


Geraldine R. McCann, Biologist  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)

**Enclosure**

Stamped Label for 400-514

# 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.

<b>EMERGENCY PHONE</b>	<b>800-292-5898</b>
<b>SAFETY DATA AND INFORMATION</b>	<b>203-573-3303</b>
<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
**FEB 27 2007**  
under the Federal Insecticide  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
**400-514**

EPA REG. NO. 400-514  
EPA EST. NO.  
011



Chemtura USA Corporation  
Middlebury CT 06749

[www.chemtura.com](http://www.chemtura.com)

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

Harmful if swallowed. Avoid breathing spray mist. 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).

Brown almond Pecan leaf scorch  
 Clover Strawberry spider  
 European red (use maximum rate) Two-spotted spider  
 McDaniel Willamette

### USE INSTRUCTIONS

CROP	AMOUNT ACRAMITE-4SC PER ACRE <sup>(1)</sup> FL. OZ.	MINIMUM GALLONS PER ACRE		TOTAL NUMBER OF SPRAYS PER YEAR	EARLIEST HARVEST DAYS AFTER APPLICATION (PHI DAYS)
		GROUND	AIR		
COTTON	16 - 24	20	5 <sup>(2)</sup>	1	60
PECANS	12 - 16	50	—	1	14
POTATOES <sup>(3)</sup> Tuberous and corn vegetables	16 - 24	20	5	1	14
SUCCULENT PEA <sup>(4)</sup> Pea, Succulent Shelled, Pea, Edible Podded, Pea Pigeon	12 - 16	20	5	1	3

- (1) Use the higher rate under heavy mite pressure.
- (2) Use minimum of 5 gallons per acre or the minimum permitted by your state.
- (3) Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen (taro); ginger; leren; potato; sweet potato; taniel; turmeric; yam bean; yam, true
- (4) Sugar pea, Chinese pea, Pois mange tout, Snap pea, Ming pea, Podded pea, Snow pea, China pea, Chicharo, Shi Hia wandou, Saya-endo, Sugar snap pea, Congo pea, No-eye pea, Red gram, Arher, Grandul, Gandules, Dhal, Toor, Gunds pea, Porto Rico pea, Urher Gandul, Guandu, Pois-d'angole, Gungo pea

### 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>
Seven-spotted 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>
Six-spotted thrip	<i>Scolothrips sexmaculatus</i>
Western flower thrip	<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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