



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
 OFFICE OF PESTICIDE PROGRAMS  
 1200 Pennsylvania Avenue N.W.  
 Washington, DC 20460-0001

EPA Reg. Number  
 400-503

Date of Issuance  
 FEB - 4 2002

Term of Issuance  
 Conditional

Name of Pesticide Product  
 Acramite® 50WS

**NOTICE OF PESTICIDE**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Uniroyal Chemical Company, Inc.  
 74 Amity Road  
 Bethany, CT 06524-3402

**Note:** Any 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 for 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 sec. 3(c)(7)(C) 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 "EPA File Symbol 400-LNG" with "EPA Reg. No. 400-503" on page 1 of the draft label.
3. Within two years of registration of this product, submit the following studies:
  - a. A 28-day inhalation toxicity study on technical Bifenazate for further characterization of inhalation risks. The current 90-day inhalation study protocol (OPPTS 870.3465) should be followed with the exposure ending after 28 days instead of 90 days.

*continued ....*

Signature of Approving Official:

Deborah McCall

Date:

2-4-02

EPA Reg. No. 400-503 contd ...

- b. Confirmatory method and interference study for proposed plant and livestock enforcement methods and FDA multiresidue method for the residues of concern, A1530 and A1530-sulfate.
- c. Additional peach field trial data on cotton, grape, peach and plum and storage stability data for apple (juice and wet apple pomace), hops and strawberry.

A stamped copy of the draft label is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment. If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of the product for shipment constitutes acceptance of these conditions. Should you have any questions, do not hesitate to contact the Regulatory Manager for this product, Mr. Suku Onnithan at 703-605-0368.

Sincerely,



Deborah McCall, Acting Chief,  
Insecticide Rodenticide Branch  
Registration Division (7505C)

Encl.

# Acramite™-50WS



## Miticide in Water Soluble Bags

For agricultural use only

**Net Contents:**

**THIS BAG CONTAINS 2 x .5 lbs. WATER SOLUBLE BAGS  
SEE ATTACHED FOLDER FOR USE INSTRUCTIONS**

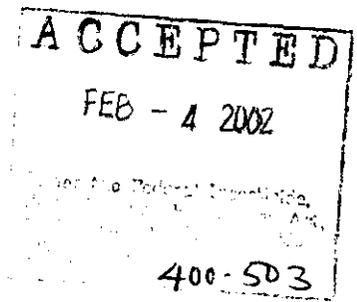
Active Ingredients: (% by weight)

Bifenazate: Hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl) 1-methylethyl ester .....	50%
Inert Ingredients .....	50%
Total .....	100%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call the following telephone numbers for emergency medical treatment.	
<b>UNIROYAL CHEMICAL EMERGENCY PHONE</b>	<b>203-723-3670</b>
<b>SAFETY DATA AND INFORMATION</b>	<b>203-573-3303</b>
<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>

Additional Precautionary Statements and Directions for Use are in the attached booklet. If booklet is missing, contact Uniroyal Chemical or an authorized dealer.



EPA REG. NO. 400-  
EPA EST NO. 33967-NJ-1  
EPA EST. NO. 7874-NLD-1  
001

Uniroyal Chemical Company, Inc.  
a subsidiary of Crompton Corp.  
Middlebury, CT 06749



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

**CAUTION**

Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT**

**Applicators and Other Handlers Must Wear:** Long-sleeved shirt & long pants; shoes plus socks. 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. 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). The REI and exceptions are listed under the USE RATES AND RECOMMENDATIONS associated with each crop. Notify workers of the exception (including when entry is permitted for each of the tasks named in the exception).

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.

**GENERAL INFORMATION**

ACRAMITE-50WS is a wettable powder in water soluble bags. ACRAMITE-50WS 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-50WS is relatively inactive against beneficial/predaceous mites and insects and therefore is compatible with IPM and resistance management programs.

ACRAMITE-50WS is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces and of fruit is necessary for effective control.

**MIXING INSTRUCTIONS**

Always reseal the outer bag in a manner that protects the remaining packets from moisture. Fill spray tank with 1/2 the desired amount of water. Then add the required number of water soluble bags of ACRAMITE-50WS with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water.

When tank mixing, thoroughly mix the water soluble bags before adding other products in the following order: other water soluble bags, wettable powders, dry flowables, liquid flowables, liquids and emulsifiable concentrates. Always allow each tank mix partner to disperse fully before adding the next product. Do not add boron containing or free chlorine release products with water soluble bag formulations. Boron and free chlorine will inhibit the solubility of the water soluble bag material causing it to precipitate and form insoluble residue inside the spray tank.

ACRAMITE-50WS has been shown to degrade rapidly when mixed and stored with alkaline water of high temperature (122°F). To prevent degradation under alkaline conditions, solutions of ACRAMITE-50WS must be used promptly. A commercially available buffering adjuvant should be added to the solution to reduce the pH to a neutral/acidic range.

**Restrictions:** Do not remove the water soluble bags from the container except for immediate use. Use the entire contents of one water soluble bag; do not break open to use partial contents of a bag. Do not sell individual water soluble packets. Do not handle the inner bag with wet hands or wet gloves. Do not allow pouches to become wet prior to adding to the spray tank. Tank mixtures are permitted only in those states where the tank mix partner is registered. When tank mixing, follow the label directions for most restrictive of label precautions and limitations.

**Compatibility:** To obtain broad spectrum insect control. ACRAMITE-50WS 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.

**Adjuvants:** For optimum coverage of hard to wet foliage, it is recommended that an organosilicone adjuvant be added to the ACRAMITE-50WS/water solution. Those found to be both safe and effective are Silwet L-77®, Sylgard 309® and Kinetic®. Users should test safety and compatibility of other adjuvants prior to commercial use.

**USE RATES AND RECOMMENDATIONS**

To provide maximum residual control, application should be made as soon as mites appear. Use the low 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-50WS 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-50WS is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (*Tetranychus* species).

**Restrictions:** Do not plant another crop within 30 days after last ACRAMITE-50WS application due to chances of bifenazate residues showing up in rotational crops.

**BEARING CROPS  
DOSAGE INSTRUCTIONS**

CROP	MITES CONTROLLED	AMOUNT ACRAMITE-50WS PER ACRE <sup>(A)</sup>	MINIMUM GALLONS PER ACRE	TOTAL NUMBER OF SPRAYS PER YEAR	EARLIEST HARVEST DAYS AFTER APPLICATION (PHI DAYS)	RESTRICTED ENTRY INTERVAL (REI)
APPLES	European red two-spotted spider Pacific spider McDaniel	0.75 - 1.0 lbs	50	1	7	12 hours
COTTON	Pacific spider two-spotted spider strawberry spider	0.75 - 1.5 lbs	20	1	60	12 hours
GRAPES	Pacific spider strawberry spider Willamette two-spotted spider	0.75 - 1.0 lbs	50	1	14	5 days <sup>(B)</sup> For cane turning tying girdling
HOPS	two-spotted spider	0.75 - 1.5 lbs	50	1	14	12 hours
NECTARINES	European red Pacific spider two-spotted spider strawberry spider McDaniel peach silver	0.75 - 1.0 lbs	50	1	3	12 hours
PEACHES	European red Pacific spider two-spotted spider strawberry spider McDaniel peach silver	0.75 - 1.0 lbs	50	1	3	12 hours
PEAR	European red two-spotted spider McDaniel	0.75 - 1.0 lbs	50	1	7	12 hours
PLUMS PRUNES	European red two-spotted spider Pacific spider	0.75 - 1.0 lbs	50	1	3	12 hours
STRAWBERRIES	Pacific spider two-spotted spider strawberry spider	0.75 - 1.0 lbs	100	2 <sup>(C)</sup>	1	12 hours

(A) Each water soluble bag contains 0.5 lbs. of ACRAMITE-50WS

(B) GRAPES – Exception: In addition to the early entry exceptions allowed by WPS, you may enter or allow workers to enter treated areas to perform all tasks other than tying, turning and girdling after 12 hours following applications, as long as at least long pants, long-sleeved shirts, shoes and socks are worn. Notify workers of the exception (including when entry is permitted for each of the tasks named in the exception).

(C) Use only one application per harvested crop per year. Two sprays per year permits use where more than one crop is harvested each year. Minimum period between applications is 21 days.

**NOTE:** All above uses are for ground application. Apply ACRAMITE-50WS by ground equipment such as, but not limited to, compressed air, hydraulic, ground boom and air blast sprayers. Do not apply by air.

**NON-BEARING CROPS ONLY  
DOSAGE INSTRUCTION**

ACRAMITE-50WS may be used on the following crops only when they will not bear fruit within one year of application. This includes fruit and nut trees and berries in both commercial plantings and nurseries, including transplant uses but excluding residential areas. Listed non-bearing crops have a 12 hour restricted entry interval (REI). Application is by ground equipment only. The non-bearing crops which may be so treated are:

<b>CROP</b>	<b>MITES CONTROLLED</b>	<b>AMOUNT ACRAMITE-50WS PER ACRE*</b>	<b>MINIMUM GALLONS SPRAY SOLUTION PER ACRE</b>	<b>TOTAL NUMBER OF SPRAYS PER YEAR</b>
Berries (boysenberries, strawberries, raspberries, etc.) Citrus (grapefruit, lemons, limes, oranges, tangerines, etc.) Currants Dates, Figs Nut trees (almond, hazelnut, macadamia, pecan, pistachio, walnut) Persimmons Tree Fruit (apples, apricots, cherries, nectarines, peaches, pears, plums/prunes, quince)	European red Two-spotted spider Pacific spider McDaniel Strawberry spider Citrus red Southern red	0.75 to 1.0 lbs..	50	1

**STRATEGIES FOR RESISTANCE PREVENTION**

When used as directed, ACRAMITE-50WS combines high activity on mites with safety to beneficial/predaceous mites and insects. In addition, the unique chemistry of ACRAMITE-50WS 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-50WS as soon as infestations are observed. Do not wait until large populations have established.
- Always apply ACRAMITE-50WS at the recommended rates and according to label recommendations.
- Because of its selectivity, ACRAMITE-50WS can be used in conjunction with most biological control organisms available for mite control. ACRAMITE-50WS, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects including:

<b>Common Name</b>	<b>Scientific Name</b>
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-50WS is encouraged as a means of reducing the number of chemical applications.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a dry location.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Place water soluble bag directly into application equipment (see directions). Then dispose of empty outer bag in a sanitary landfill or by 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.

<sup>TM</sup>ACRAMITE-50WS is a Trademark of Uniroyal Chemical Company, Inc.

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