

400-503

11/17/2008

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

**OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES**

Tim Weiland
Chemtura Corporation
199 Benson Rd
Middlebury, CT 06749

NOV 17 2008

Dear Mr. Weiland:

Subject: Labeling Amendment
Acramite-50WS; EPA Registration No. 400-503
Floramite SC; EPA Registration No. 400-508
Floramite SC/LS; EPA Registration No. 400-509
Acramite-4SC; EPA Registration No. 400-514
Floramite H&G; EPA Registration No. 400-517
Submission Date: August 21, 2008

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions regarding this label, please contact Jennifer Gaines at (703) 305-5967.

Sincerely yours,

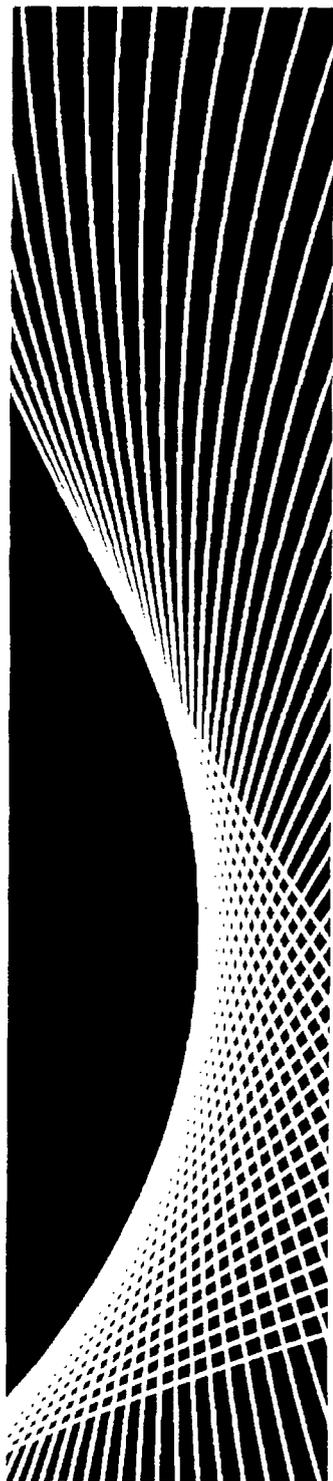
A handwritten signature in black ink, appearing to read "John Hebert", written over a large, stylized circular flourish.

John Hebert
Product Manager (07)
Insecticide-Rodenticide Branch
Registration Division (7505P)

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GROUP un ACARICIDE

Acramite®-50WS



Miticide in Water Soluble Bags
For agricultural use only

Net Contents:

Active Ingredient: (% by weight)
 bifenthrin: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl) 1-methylethyl ester 50%
 Other Ingredients 50%
 Total..... 100%

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
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.	
EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

ACCEPTED
NOV 17 2008
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 400-503

EPA REG. NO. 400-503
EPA EST. NO. 33967-NJ-1
016

Chemtura Corporation
199 Benson Road
Middlebury, CT 06749



www.chemtura.com

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

Causes moderate eye irritation. Wear protective eyewear. 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 and before eating, drinking chewing gum or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and Other Handlers Must Wear: Protective eyewear, 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 birds, estuarine/marine invertebrates and 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. 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; chemical-resistant gloves made of any waterproof material.

USE 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 carbazate 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 products that release free chlorine or contains boron 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.

Like many pesticides, ACRAMITE-50WS stability can be impacted by high pH and high temperature. For optimum performance, maintain spray mixtures containing ACRAMITE-50WS within a range of pH 5.5 to 6.5.

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.

USE RATES AND DIRECTIONS

To provide maximum residual control, application must 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 application due to chances of bifenazate residues showing up in rotational crops.
- ACRAMITE-50WS should not be mixed with oil when applying to Golden Delicious apples.

MITES CONTROLLED

Banks grass
Brown almond
Clover
European red (use maximum rate)

McDaniel
Pacific spider
Pecan leaf scorch
Southern red mite

Spruce spider mite
Strawberry spider
Two-spotted spider
Willamette

**BEARING CROPS
DOSAGE INSTRUCTIONS**

CROP*	AMOUNT ACRAMITE-50WS PER ACRE ^(A)	MINIMUM GALLONS PER ACRE		TOTAL NUMBER OF SPRAYS PER SEASON	HARVEST DAYS AFTER APPLICATION (PHI DAYS)	RESTRICTED ENTRY INTERVAL (REI)
		GROUND	AIR			
CANEBERRY SUBGROUP 13A, ^(B) WILD RASPBERRY	0.75 - 1.0 lbs	50	—	1	1	12 hours
CUCURBIT VEGETABLES (See footnote C for crops in addition to those listed below) CUCUMBERS EDIBLE GOURDS ^(D) MUSKMELON ^(E) PUMPKIN SQUASH (summer ^(F) & winter) ^(G) WATERMELON	0.75 - 1.0 lbs	50	10**	1	3	12 hours
FRUITING VEGETABLES (See footnote H for crops in addition to those listed below) EGGPLANT PEPPERS (all varieties of <i>capsicum</i> spp.) ^(I) TOMATOES (field grown)	0.75 - 1.0 lbs	50	10**	1	3	12 hours
GRAPES ^(J)	0.75 - 1.0 lbs	50	—	1	14	12 hours except 5 days for cane turning, tying and girdling of table grapes.
HOPS	0.75 - 1.5 lbs	50	—	1	14	12 hours
MINT	0.75 - 1.5 lbs	50	10**	1	7	12 hours
OKRA	0.75 - 1.0 lbs	50	—	1	3	12 hours
POME FRUITS: (See footnote K for crops in addition to those listed below) APPLES CRABAPPLES PEARS QUINCE	0.75 - 1.0 lbs	50	—	1	7	12 hours
STRAWBERRIES ^(L)	0.75 - 1.0 lbs	100	—	2	1	12 hours
STONE FRUIT: (See footnote M for crops in addition to those listed below) APRICOTS CHERRIES (Sweet & Tart) NECTARINES PEACHES PLUMS/PRUNES	0.75 - 1.0 lbs	50	—	1	3	12 hours
TREE NUTS (See footnote N for crops in addition to those listed below) ALMOND	0.75 - 1.0 lbs	50	—	1	7	12 hours
FILBERT (Hazelnut) PISTACHIOS WALNUT (Black & English)	0.75 - 1.0 lbs	50	—	1	14	12 hours
TROPICAL FRUIT: PAPAYA, STAR APPLE, BLACK SAPOTE, MANGO, SAPODILLA, CANISTEL, MAMEY SAPOTE, LYCHEE, LONGAN, SPANISH LIME, RAMBUTAN, PULASAN, GUAVA, FEIJOA, JABOTICABA, WAX JAMBU, STARFRUIT, PASSIONFRUIT, ACEROLA	0.75 - 1.0 lbs	50	—	1	1	12 hours

*Use the higher rate under heavy mite pressure.

** Minimum gallonage per acre permitted by your state, but not less than shown.

- (A) Each water soluble bag contains 0.5 lbs. of ACRAMITE-50WS
- (B) CANEBERRY: Blackberry; loganberry; red and black raspberry; cultivars and/or hybrids of these.
- (C) CUCURBIT VEGETABLES: Other crops which may be treated with ACRAMITE-50WS with the same use instructions are: Chayote (fruit) (*Sechium edule*), Chinese waxgourd (Chinese preserving melon) (*Benincasa hispida*), Citrus melon (*Citrullus lanatus var. citroides*), Gherkin (*Cucumis anguria*), *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber).
- (D) EDIBLE GOURD (*Lagenaria* spp.) (includes *hyotan* and *cucuzza*). Also (*Luffa acutangula* and *L. cylindrical*) which includes hechima and Chinese okra.
- (E) MUSKMELON (hybrids and/or cultivars of *Cucumis melo*) includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon.
- (F) SQUASH, SUMMER (*Cucurbita pepo* var. *melo* *pepo*) includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini.
- (G) SQUASH, WINTER (*Cucurbita maxima*: *C. moschata*) includes butternut squash, calabaza, hubbard squash; (*C. mixta*; *C. pepo*) includes acorn squash, spaghetti squash.
- (H) FRUITING VEGETABLES: Other crops which may be treated with ACRAMITE-50WS with the same instructions are: groundcherry (*Physalis* spp.), pepino (*Solanum muricatum*), tomatillo (*Physalis ixocarpa*)
- (I) PEPPER (*Capacium* spp.) includes bell peppers, chili peppers, cooking peppers, pimento, and sweet peppers.
- (J) 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).
- (K) POME FRUIT: Other crops which may be treated with ACRAMITE-50WS with the same instructions are: Loquat (*Eriobotrya japonica*), Mayhaw (*Crataegus aestivalis*, *C. opaca*, and *C. rufula*), Pear, oriental (*Pyrus pyrifolia*)
- (L) STRAWBERRIES: Minimum period between applications is 21 days.
- (M) STONE FRUIT: Other crops which may be treated with ACRAMITE-50WS with the same instructions are: Plum (*Prunus domestica*, *Prunus* spp.), Chickasaw Plum (*Prunus angustifolia*), Damson Plum (*Prunus domestica* spp.) (*Instititia*), Japanese Plum (*Prunus salicina*) and Plumcot (*Prunus armeniaca* X *P. domestica*).
- (N) TREE NUTS: Other crops which may be treated with ACRAMITE-50WS with the same use instructions (14 day PHI) are: Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Hickory nut, Macadamia nut (bush nut).

**NON-BEARING CROPS
DOSAGE INSTRUCTION**

ACRAMITE-50WS use on non-bearing crops, i.e. those crops which will not bear fruit within one year of application, **includes all the crops listed in the bearing crops dosage instructions plus crops listed below.** These include fruit trees and berries in both commercial plantings and nurseries, including transplant uses but excluding residential areas. **The listed non-bearing crops all have a 12 hour restricted entry interval (REI).** Application is by ground equipment only. Additional non-bearing crops that may be so treated are:

CROP	MITES CONTROLLED	AMOUNT ACRAMITE-50WS PER ACRE	MINIMUM GALLONS SPRAY SOLUTION PER ACRE	TOTAL NUMBER OF SPRAYS PER YEAR
Berries (blueberry, highbush and lowbush; elderberry; gooseberry; hackleberry) Citrus (grapefruit, lemons, limes, oranges, tangerines, etc.) Currants Dates, Figs Persimmons	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 carbazate 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.

ACRAMITE-50WS has demonstrated no cross resistance with other commercial miticides. ACRAMITE-50WS contains an active ingredient classified as a Group un acaricide. ACRAMITE-50WS is suitable to be used as a rotational partner with other miticides.

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 required rates and according to label information.
- Unless labeled otherwise, use only one application of ACRAMITE-50WS per year, and rotate to a product with a different mode of action grouping.
- 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:

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>Franklinjella 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.

PESTICIDE 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: Non-refillable container. Do not reuse or refill this container. Empty residue into application equipment then offer foil bag for recycling if available or dispose of in a sanitary landfill or by incineration if allowed by state and local ordinances. 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, expressed 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 to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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