

400-431

08/14/2003

S 741565 1/7



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Willard F. Cummings
U.S. Registration Manager
Crompton Manufacturing Company, Inc.
74 Amity Road
Bethany, CT 06524-3402

AUG 14 2003

Subject: Procure 50WS
EPA Reg. No. 400-431
Your amendment dated June 27, 2003

Dear Mr. Cummings:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following change is made:

CURCUBITS - Box - Comments: In the next to last line, change "50WS per season." to "50WS per acre per season."

It is recommended, but not required, that you change the subheader "Inert Ingredients" to "Other Ingredients" in the list of ingredients section, and that you change the subheader "Storage" to "Pesticide Storage" in the Storage and Disposal section.

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supercedes all labels previously accepted for this product. Please submit one (1) copy of the final printed label that incorporates this required change before you release the product for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary J. Waller".

Mary Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

ACCEPTED
with COMMENTS
In EPA Letter Dated:

AUG 14 2003

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

400-431

Procure® 50WS

Agricultural Fungicide

**Net
Contents:**

Active Ingredient: (% by weight)
 Triflumizole [1-[1-((4-chloro-2-(trifluoromethyl) phenyl) imino)-2-propoxyethyl]-1H-imidazole] 50%
 Inert 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 treatment advice. |
| IF SWALLOWED | <ul style="list-style-type: none"> • 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 ON SKIN
OR CLOTHING | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice. |

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

EPA REG. NO. 400-431
EPA EST. NO.
018CM

Crompton Manufacturing Company, Inc.
Middlebury, CT 06749

Crompton® and Uniroyal Chemical®
are Registered Trademarks of a
subsidiary of Crompton Corporation

Crompton
Uniroyal Chemical

www.cromptoncorp.com

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

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; chemical-resistant gloves made of any waterproof material; 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.

When handlers use closed systems or enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Water-soluble packets when used correctly qualify as a closed loading system under the WPS. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, and shoes plus socks.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

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 product 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

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.

Read entire label directions before using.

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), 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; chemical-resistant gloves made of any waterproof material; and shoes plus socks.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, 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:

Paper: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

PROCURE 50WS is a broad-spectrum foliar fungicide for control of certain diseases of apples, cherries, cucurbits, grapes, pears and strawberries. PROCURE 50WS is active as a protectant and as an eradicant by preventing disease symptoms after infection has occurred. It's anti-sporulant activity reduces spores after lesions become visible. Read the entire label and directions before using PROCURE 50WS.

APPLICATION INSTRUCTIONS

PROCURE 50WS can be applied with dilute or concentrate ground equipment. Aerial applications for tree fruits can be made in accordance with use directions noted for each crop. Equipment should be frequently checked for calibration. Apply PROCURE 50WS in sufficient water to ensure complete and thorough coverage of foliage, bloom and fruit.

Use higher recommended rates on more susceptible varieties and/or under higher disease pressure.

Consult your State Agricultural Experimental Station or Extension Service Specialist for guidance on selection of specific dosage rates and timing of application appropriate to your specific crop and area conditions. State regulations may contain additional restrictions or requirements.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not allow livestock to graze on treated orchard ground cover.

Aerial application of PROCURE 50WS is allowed unless prohibited under a specific crop use direction.

Populations of fungal pathogens are known to develop resistance to fungicides with the same mode of action when used repeatedly. Thus, Crompton encourages responsible resistance management to ensure an effective long-term control of diseases. Resistance management strategies include alternating and/or tank mixing with other labeled fungicides having different modes of action or limiting the total number of applications per season.

RESTRICTIONS ON ROTATIONAL CROPS: Do not plant leafy vegetables within 30 days after application. Do not plant root vegetables within 60 days after application. Rotation to all other crops within one year after application, unless PROCURE 50WS is registered for use on those crops, is prohibited.

HANDLING OF WATER SOLUBLE POUCHES

Prior to use, keep the water soluble pouches dry at all times. Handling the water soluble pouches may cause breakage. Do not handle with wet hands or wet gloves. Store unused pouches in the original package in a dry location away from heat and cold.

MIXING: Use the dosage charts to determine the rate of PROCURE 50WS required in each tank of spray. Calculate the number of water soluble pouches required to provide the desired amount of material. Do not break pouches. It is recommended that the pouches be added to a partially filled spray tank prior to the addition of other agricultural chemicals, then direct the rest of the filling spray onto the pouches. Do not use partial pouches. The pouches should be completely dissolved and the powder thoroughly dispersed in the spray tank before spraying.

COMPATIBILITY: PROCURE 50WS can be tank mixed with most fungicides, insecticides and plant growth regulators registered for use on the recommended crops. No dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Because products and application conditions vary considerably, new mixtures should be tested on a small scale prior to use.

NOTE: Do not tank mix water soluble pouches of PROCURE 50WS with products that contain boron or release free chlorine. A chemical reaction may occur which changes the film into an insoluble plastic.

APPLES & PEARS

On apples and pears, PROCURE 50WS should be tank mixed with standard protectant fungicides labeled for control of other diseases during the season for maximum fruit disease control. Make applications at 7 to 10 day intervals through the first cover and at approximately 10 to 14 day intervals thereafter as needed. PROCURE 50WS may be applied up to 14 days prior to harvest.

PROCURE 50WS rates should be adjusted in response to disease pressure, weather conditions, and varietal susceptibility. If disease pressure is above normal, rates per acre must be increased as indicated in the "Comments" section for each disease. Do not use less than the recommended rates.

AERIAL APPLICATIONS: When making aerial applications use 12 to 16 oz. PROCURE 50WS per acre*

CROP	DISEASE	Rate of Procure 50WS oz./acre	COMMENTS
Apples	Powdery Mildew (<i>Podosphaera leucotricha</i>)	8 to 16	Initiate spraying at first sign of mildew, usually at the ½" green tip stage. Continue applications at 7 to 14 day intervals as needed through the terminal growth period.
	Scab (<i>Venturia inaequalis</i>) Cedar Apple Rust (<i>Gymnosporangium juniperi-virginianae</i>)	8 to 16	<p>Standard Spray Schedule Apply PROCURE 50WS at the rate of 8 to 16 oz per acre at 7 to 10 day intervals from ½" green tip stage through second cover or until primary scab sporulation is complete. Higher rates should be used for more susceptible varieties and heavy disease pressure. For improved scab control apply PROCURE 50WS in combination with a protectant fungicide. Applications of PROCURE 50WS may be continued in a standard 14 day cover spray program in combination with a protectant fungicide. If changing to a protectant fungicide only after the end of the primary infection period, use 2 PROCURE 50WS applications, 7 days apart.</p> <p>Eradicant Spray Schedule (Post Infection Schedule) Apply PROCURE 50WS at the rate of 8 to 16 oz per acre within 96 hours of the start of an infection period. Under low to moderate pressure conditions, 8 oz per acre can be applied within 48 hours after the start of an infection period. Higher rates should be used if disease pressure is high or the time interval after the start of infection is greater than 48 hours. If a second infection period occurs within 3 days of the first application, a second application should be made within 7 days of the first treatment. For improved scab control apply PROCURE 50WS in combination with a protectant fungicide. After first cover, PROCURE 50WS can be continued in a standard cover spray program in combination with protectant fungicides which control other diseases. Do not apply more than 64 oz of PROCURE 50WS per acre of apples per season. Application of PROCURE 50WS for control of scab will also control cedar apple rust.</p>
Pears	Powdery Mildew (<i>Podosphaera leucotricha</i>)	8 to 16	Initiate spray at pink or white stage. Continue applications at 7 to 14 day intervals or as required. PROCURE 50WS may applied up to 14 days prior to harvest.
	Scab (<i>Venturia pirina</i>)	8 to 16	<p>Standard Spray Schedule Apply PROCURE 50WS at the rate of 8 to 16 oz/ A, at 7 to 10 day intervals from green tip stage through second cover. Higher rates should be used for more susceptible varieties and heavy disease pressure. Continue applications of PROCURE 50WS in a standard cover spray program with a protectant fungicide. If changing to a protectant fungicide only after the end of the primary infection period, use 2 PROCURE 50WS applications, 7 days apart.</p> <p>Eradicant Spray Schedule (Post Infection Schedule) Apply PROCURE 50WS at the rate of 8 to 16 oz per acre within 96 hours of the start of an infection period. Under low to moderate pressure conditions, 8 oz per acre can be applied within 48 hours after the start of an infection period. Higher rates should be used if disease pressure is high or the time interval after the start of infection an infection period is greater than 48 hours. If a second infection period occurs within 3 days of the first application, a second application should be made within 7 days of the first treatment. For improved scab control, apply PROCURE 50WS in combination with a protectant fungicide. After first cover, PROCURE 50WS can be continued in a standard cover spray program of 8 to 12 oz/A, in combination with protectant fungicides which control other diseases. Do not apply more than 64 oz. of PROCURE 50WS per acre of pears per season.</p>

*Not registered for use by air in California.

CHERRIES (SWEET & TART)

PROCURE 50WS can be applied throughout the season from delayed dormant to within 1 day of harvest. Apply PROCURE 50WS in sufficient water to ensure complete and thorough coverage of foliage, flowers and fruit. Applications should be timed to maintain coverage on susceptible plant tissues throughout possible infection periods. Do not use less than the recommended rates.

CROP	DISEASE	Rate of Procure 50WS ⁽¹⁾ oz/acre	COMMENTS
Cherries (Sweet & Tart)	Powdery Mildew (<i>Podosphaera clandestina</i>)	8 to 16	Initiate treatments at early popcorn and continue at 7 to 14 day intervals until terminal growth ceases.
	Blossom Blight & Fruit Rot (<i>Monilinia spp.</i>)	10 to 16	Blossom Blight Control: Treatments should be applied at early popcorn, full bloom and petal fall. Complete coverage must be maintained throughout the bloom period. Fruit Rot Control: Depending on disease pressure, continue the Blossom Blight schedule with applications at 7 to 10 day intervals throughout the cover spray period.
	Leaf Spot (<i>Blumeriella jaapii</i>)	10 to 16	PROCURE 50WS applications made to control <i>Podosphaera</i> or <i>Monilinia</i> will suppress the development of Leaf Spot. To control Leaf Spot, Procure 50WS should be tank mixed with other products registered for leafspot control.

(1) Application Rates:
When making aerial applications, use at least 12 ounces PROCURE 50WS per acre. Where feasible, ground application should be used because it provides better canopy penetration and coverage.
Always use higher recommended rates on more susceptible varieties or when higher disease pressure conditions exist.
Do not apply more than 96 oz. of Procure 50WS per acre per season. Do not apply closer than 1 day before harvest.

CUCURBITS

PROCURE 50WS can be used to control powdery mildews caused by *Erysiphe cichoracearum* or *Podosphaera xanthii*. If other leaf diseases in addition to powdery mildew must be controlled, PROCURE 50WS can be tank mixed with other fungicides registered for those diseases. Thorough coverage of the foliage is necessary for maximum disease control. Repeated applications should be made if conditions of powdery mildew development persist.

CROP	DISEASE	Rate of Procure 50WS oz/acre	COMMENTS
Cucumbers Gherkins Gourds Muskmelons (includes cantaloupes, honeydews, Persian melons and other melons) Pumpkins Squash (summer and winter) Watermelons	Powdery Mildew (<i>Erysiphe cichoracearum</i> , <i>Podosphaera xanthii</i>)	4 to 8	Apply Procure 50WS as a foliar spray in sufficient water to provide thorough coverage of the foliage. Applications should begin at the start of vining or the first indication of disease. Repeated applications can be made at 7 to 14 day intervals. When conditions are favorable for severe disease pressure, use higher rates and shorter intervals. Do not apply more than 40 oz. of Procure 50WS per season. Applications can be made up to the day of harvest.

GRAPES

PROCURE 50WS should be used as a protectant for control of powdery mildew. Start applications before bloom and continue on a 14 to 21 day interval at 4 to 8 ounces/acre. For the most susceptible varieties, use 6 to 8 ounces/acre and/or shorter spray intervals. When disease pressure is low, use 4 to 6 ounces/acre and/or the spray interval can be extended up to 21 days. Select spray volume, nozzle adjustments and ground speed to ensure complete coverage of fruit clusters and foliage. Use a minimum of 50 gallons of water per acre for early season applications. Use enough volume to ensure thorough coverage as the amount of foliage increases. Do not apply within 7 days of harvest. Do not exceed 32 ounces PROCURE 50WS per acre per season. Do not apply by air. Sulfur at recommended use rates can be applied before, with, and/or between PROCURE 50WS applications.

CROP	DISEASE	Rate of Procure 50WS oz/acre	COMMENTS
Grapes	Powdery Mildew (<i>Uncinula necator</i>)	4 to 8	Start applications before bloom and continue on a 14 to 21 day interval. Use higher rates and/or shorter intervals on susceptible varieties or under heavy disease pressure.

STRAWBERRIES

PROCURE 50WS can be applied for control of strawberry powdery mildew with dilute or concentrate ground equipment. Apply PROCURE 50WS in sufficient water to ensure complete and thorough coverage of foliage, flowers and fruit. Use higher recommended application rates and shorter spray intervals on more susceptible varieties and/or under higher disease pressure. PROCURE 50WS may be tank mixed with other materials registered for use on strawberries. Apply tank mixtures in accordance with all applicable label directions. Do not apply within 1 day of harvest. Do not exceed 32 oz. PROCURE 50WS per acre per season.

CROP	DISEASE	Rate of Procure 50WS oz/acre	COMMENTS
Strawberries	Powdery Mildew (<i>Sphaerotheca macularis</i> <i>f. sp fragariae</i>)	4 to 8	Protection of leaves before bloom will reduce in-season disease pressure and result in greater control of flower and fruit infections. Initiate applications at the first sign of powdery mildew. Continue applications at approximately 14 day intervals while conditions favor disease development.

IMPORTANT NOTICE—Seller 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.

• PROCURE is a Registered Trademark of Crompton Corporation
 © Copyright 2003, Crompton Corporation