

400-431

08/07/2000

SECRET

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

AUG 7 2000

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Review of Labeling Amendment
Procure 50WS
EPA Reg. No. 400-431
Your Submission Dated January 17, 2000

Dear Ms. Ball: i

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments below.

There has been a recent change in the Worker Protection Standard (WPS) labeling regarding the use of the term "waterproof gloves". Under Personal Protective Equipment, add "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." Change "waterproof gloves" to "chemical-resistant gloves made of any waterproof material" in the PPE statement and in the Agricultural Use Requirements box.

The Agency also acknowledges your request to change the product name for the basic registration to Procure 50WS. A stamped copy of the labeling is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment.

If you have any questions, then please contact Summer Gardner-Jenkins of my staff at (703) 308-9353.

Sincerely,

Mary L. Waller

Mary L. Waller
Product Manager, Team 21
Fungicide Branch
Registration Division (7505C)

Enclosure

ACCEPTED
with COMMENTS
In EPA Letter Dated
AUG 7 2000

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PROCURE® 50WS

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
400-431

AGRICULTURAL FUNGICIDE

Net contents:

COMPOSITION

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. Flush with plenty of water.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of Ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

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

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; waterproof gloves; 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.

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.

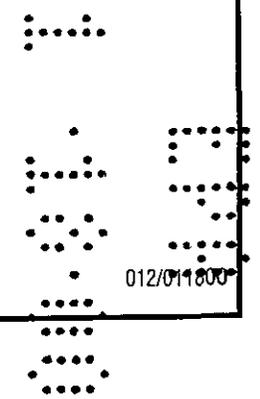
**UNIROYAL
CHEMICAL**

Uniroyal Chemical Company, Inc., Middlebury, CT 06749

EPA Reg. No. 400-431

EPA Est. No.

012/011800



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; waterproof gloves and shoes plus socks.

GENERAL USE DIRECTIONS

PROCURE 50WS is a broad-spectrum foliar fungicide for control of certain diseases of grapes and pome fruits. PROCURE 50WS is particularly effective against powdery mildew of grapes, apples and pears and scab of apples and pears. Against scab it is active as an eradicant by preventing disease symptoms after infection has occurred. It's anti-sporulant activity reduces scab spores after lesions become visible. Read the entire label and directions before using PROCURE 50WS Wettable Powder fungicide.

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

RECOMMENDED APPLICATIONS

PROCURE 50WS Wettable Powder 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.

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. Because products and application conditions vary considerably, new mixtures should be tested on a

small scale prior to use.

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

GRAPES

PROCURE 50WS should not be used as an eradicant for mildew-control. Use as a protectant according to the spray schedule below. Use PROCURE 50WS at 4 - 8 oz./A. Select spray volume, nozzle adjustments, and ground speed to ensure complete coverage of fruit clusters and foliage. Tractor speed should not exceed 3 mph. Use a minimum of 50 gallons of water per acre for early season applications. Increase gallonage used as amount of foliage increases. Do not apply within 7 days of harvest. **Do not exceed 32 oz. PROCURE 50WS/A/season.**

Do not apply by air.

Recommended Times of Application and Rates of PROCURE 50WS

Variety Susceptibility to Mildew	Type of Grape	Light to Moderate Disease Pressure	Heavy Disease Pressure
Light	Wine & Raisin	12" to 18" cane, bloom, 21 days post bloom. Use 4 - 6 oz./A. Do not exceed 21 days between applications.	12" to 18" cane, bloom, 14 to 21 days post bloom. 3 weeks after last application. Use 4 - 6 oz./A. Do not exceed 21 days between applications.
	Table	12" to 18" cane, bloom, 21 days post bloom. Use 4 - 6 oz./A. Do not exceed 21 days between applications.	12" to 18" cane, bloom, 14 to 21 days post bloom. 3 weeks after last application. Use 4 - 6 oz./A. Do not exceed 21 days between applications.
Additional applications may be needed for seasonal control.			
Moderate	Wine & Raisin	6 - 12" cane, bloom, 14 to 21 days post bloom and 3 weeks later. Use 4 - 6 oz./A. Do not exceed 14 days between applications at low rate of 4 oz./A.	6 - 12" cane, bloom, 14 to 21 days post bloom and 14 to 21 days later. Use 4 oz./A. in early sprays 6 oz./A. in later. Do not exceed 21 days between applications.
	Table	12" cane, bloom, 14 to 21 days post bloom and 3 weeks later. Use 4 - 6 oz./A. Do not exceed 14 days between applications at low rate of 4 oz./A.	6" cane, 18" cane, bloom, 14 days post bloom, 14 days after last application. Use 4 oz./A. in early sprays, 6 oz./A. in later. Do not exceed 14 days between applications.
Additional applications may be needed for seasonal control.			
High	Wine & Raisin	6 - 12" cane, bloom, 14 days post bloom; additional application may be required 14 days after last application. Use 4 - 6 oz./A. Do not exceed 14 days between applications.	6 - 12" cane, bloom, 14 days post bloom, 14 days later. Use 6 - 8 oz./A. Do not exceed 14 days between applications.
	Table	6" cane, 18" cane, bloom, 14 days post bloom, 14 days after last application. Use 4 oz./A. in early sprays. 6 oz./A. in later. Do not exceed 14 days between applications.	6" cane and 18" cane at 4 oz./A. Bloom, 14 days post bloom, 14 days later, followed by an additional application 14 days later at 6 oz./A. Do not exceed 14 days between applications.
Additional applications may be needed for seasonal control.			
SULFUR AT RECOMMENDED USE RATES CAN BE APPLIED BEFORE AND/OR BETWEEN PROCURE 50WS APPLICATIONS.			

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APPLES & PEARS

On apples and pears, PROCURE 50WS should be tank mixed with standard protectant fungicides 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, varietal susceptibility. If disease pressure is above normal, rates per acre must be increased as indicated in the "Comments" section for each disease.

AERIAL APPLICATIONS: When making aerial applications use 12 to 16 oz. PROCURE 50WS per acre in a minimum of 10 gallons of spray solution per acre.

Do not apply by air in California.

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CROP	DISEASE	RATE OF PROCURE 50WS		COMMENTS
		oz/acre	oz/100 gal*	
Apples	Powdery Mildew	8 to 16	2 to 4	Initiate spraying at first sign of mildew, usually at the 1/2 green tip stage. Continue applications at 7 to 14 day intervals as needed through the terminal growth period. Do not use less than 8 oz. per acre regardless of the water volume applied. Higher rates should be used if there is heavy disease pressure.
	Scab and Cedar-Apple Rust	8 to 16	2 to 4	<p>Standard Spray Schedule Apply PROCURE 50WS at the rate of 8 to 16 oz. per acre (2 to 4 oz. per 100 gallons) at 7 to 10 day intervals from 1/2 green tip stage through second cover or until sporulation (primary scab sporulation) is complete. Do not use less than 8 oz. per acre regardless of the water volume applied. For improved scab control apply PROCURE 50WS in combination with a protectant fungicide. When applied in combination with a protectant fungicide, the minimum rate of PROCURE 50WS should be 8 oz/acre, regardless of the water volume applied. Higher rates must be used under heavy disease pressure. Applications of PROCURE 50WS may be continued in a standard 14 day cover spray program in combination with a protectant fungicide. If a protectant fungicide is to be used alone after the end of the primary scab infection period, apply 2 PROCURE 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 (2 to 4 oz. per 100 gal) within 96 hours of the start of an infection period as identified by an accurate on-farm detection system. The minimum rate of PROCURE 50WS should be 8 oz per acre, regardless of the water volume applied. The addition of a protectant fungicide is recommended to lengthen the scab control 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) After first cover, PROCURE 50WS can be continued in a standard cover spray program of 8 to 12 oz/A (2 to 3 oz. per 100 gal.) 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.</p>
Pears	Powdery Mildew	8 to 16	2 to 4	Initiate spray at pink or white stage. Continue applications at 7 to 14 day intervals or as required. PROCURE 50WS may be applied up to 14 days prior to harvest.
	Scab	8 to 16	2 to 4	<p>Standard Spray Schedule Apply PROCURE 50WS at the rate of 8 to 16 oz/A (2 to 4 oz. per 100 gal.) at 7 to 10 day intervals from green tip stage through second cover. 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 preliminary infection period, use 2 PROCURE 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 (2 to 4 oz. per 100 gal) within 96 hours of the start of an infection period as identified by an accurate on-farm detection system. The minimum rate of PROCURE 50WS should be 8 oz per acre, regardless of the water volume applied. The addition of a protectant fungicide is recommended to lengthen the scab control 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) After first cover, PROCURE 50WS can be continued in a standard cover spray program of 8 to 12 oz/A (2 to 3 oz. per 100 gal.) 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>

*The rates of PROCURE 50WS are based on a standard of 400 gallons per acre of dilute spray. For less than standard size trees, apply the rate per 100 gallons until the drip point. When applying dilute sprays, regardless of tree size, it is essential that the minimum recommended rate (8 oz. per acre) as indicated in the "Comments" section for each disease, be applied. When using concentrate sprays, apply PROCURE 50WS at the indicated per acre amounts. Never use less than the minimum recommended rate of 8 oz. per acre.

