

400-518

11/17/2005

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

NOV 17 2005

Judith O. Ball
Product Registration Manager
North America
Crompton Manufacturing Company, Inc.
74 Amity Road
Bethany, CT 06524-3402

Subject: Procure 480SC
EPA File Symbol No. 400-518
Your Amendment dated September 30, 2005

Dear Ms. Ball:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided that you revise the following:

- 1) Within the ingredient statement, line up the percentages by decimal point.
- 2) Move the sentence, "Do not apply through any type of irrigation system", to the General Precautions and Restrictions section.

One copy of the label stamped "Accepted with comments" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Tamue L. Gibson by phone at (703) 305-9096 or via email at gibson.tamue@epa.gov.

Sincerely,

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

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

Jacket
286

Procure® 480SC

Agricultural Fungicide

Net
Contents:
2.5
gallons

Active Ingredient: (% by weight)

Triflumizole [1-[1-((4-chloro-2-(trifluoromethyl) phenyl) imino)-2-propoxyethyl]-1H-imidazole]	42.14%
Other Ingredients:	57.86%
Total:	100.0%

Contains 4 lbs. triflumizole per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF SWALLOWED • 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 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.

CROMPTON EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
NOV 17 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No. 400-518

EPA REG. NO. 400-518
EPA EST. NO.
004

Crompton Manufacturing Company, Inc.
Middlebury CT 06749

Crompton
Crop Protection

www.cromptoncorp.com

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

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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.

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.

GENERAL INFORMATION

PROCURE 480SC is a broad-spectrum foliar fungicide for control of certain diseases of apples, cherries, cucurbits, grapes, pears and strawberries. PROCURE 480SC 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 480SC.

APPLICATION INSTRUCTIONS

PROCURE 480SC 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 480SC 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 480SC is allowed unless prohibited under a specific crop use direction.

RESISTANCE MANAGEMENT: 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 480SC is registered for use on those crops, is prohibited.

STORAGE AND DISPOSAL

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

PESTICIDE 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:

Plastic Containers: Triple rinse (or equivalent). 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.

APPLES & PEARS

On apples and pears, PROCURE 480SC 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 480SC may be applied up to 14 days prior to harvest.

PROCURE 480SC 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 fl. oz. PROCURE 480SC per acre*

CROP	DISEASE	Rate of Procure 480SC fl. 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	Standard Spray Schedule Apply PROCURE 480SC at the rate of 8 to 16 fl. 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 480SC in combination with a protectant fungicide. Applications of PROCURE 480SC 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 480SC applications, 7 days apart. Eradicant Spray Schedule (Post Infection Schedule) Apply PROCURE 480SC at the rate of 8 to 16 fl. oz per acre within 96 hours of the start of an infection period. Under low to moderate pressure conditions, 8 fl. 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 480SC in combination with a protectant fungicide. After first cover, PROCURE 480SC can be continued in a standard cover spray program in combination with protectant fungicides which control other diseases. Do not apply more than 64 fl. oz of PROCURE 480SC per acre of apples per season. Application of PROCURE 480SC for control of scab will also control cedar apple rust.
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 480SC may applied up to 14 days prior to harvest.
	Scab (<i>Venturia pirina</i>)	8 to 16	Standard Spray Schedule Apply PROCURE 480SC at the rate of 8 to 16 fl. 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 480SC 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 480SC applications, 7 days apart. Eradicant Spray Schedule (Post Infection Schedule) Apply PROCURE 480SC at the rate of 8 to 16 fl. oz per acre within 96 hours of the start of an infection period. Under low to moderate pressure conditions, 8 fl. 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 480SC in combination with a protectant fungicide. After first cover, PROCURE 480SC can be continued in a standard cover spray program of 8 to 12 fl. oz/A, in combination with protectant fungicides which control other diseases. Do not apply more than 64 fl. oz. of PROCURE 480SC per acre of pears per season.

*Not registered for use by air in California.

CHERRIES (SWEET & TART)

PROCURE 480SC can be applied throughout the season from delayed dormant to within 1 day of harvest. Apply PROCURE 480SC 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 480SC ⁽¹⁾ fl. oz/acre	COMMENTS
Cherries (Sweet & Tart)	Powdery Mildew (<i>Podosphaera clandestina</i>)	8 to 16	Initiate treatments at early popcom 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 popcom, 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 480SC applications made to control <i>Podosphaera</i> or <i>Monilinia</i> will suppress the development of leaf spot. To control leaf spot, PROCURE 480SC should be tank mixed with other products registered for leaf spot control.

(1) Application Rates:

When making aerial applications, use at least 12 ounces PROCURE 480SC 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 fl. oz. of PROCURE 480SC per acre per season. Do not apply closer than 1 day before harvest.

CUCURBITS

PROCURE 480SC 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 480SC 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 480SC fl. 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 480SC 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 fl. oz. of PROCURE 480SC per acre per season. Applications can be made up to the day of harvest.

GRAPES

PROCURE 480SC 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 fl. oz/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 fl. oz/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 fl. oz. PROCURE 480SC per acre per season. Do not apply by air. Sulfur at recommended use rates can be applied before, with, and/or between PROCURE 480SC applications.

CROP	DISEASE	Rate of Procure 480SC fl. 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. PROCURE 50WS/480SC applied in a powdery mildew spray schedule, will enhance the activity of registered fungicides used for the control of Botrytis bunch rot. Applications must be made on a 14-day spray schedule for suppression of Botrytis bunch rot.

PINEAPPLES

Pre-Plant Seed Piece Material Treatment

CROP	DISEASE	Rate of Procure 50WS fl. oz/100 gal	DISEASE PRESSURE	COMMENTS
Pineapples	Pineapple Butt Rot (<i>Chalara paradoxa</i>)	4 - 8 8-12 12-16	Light Moderate Severe	Apply PROCURE 480SC at 4 - 16 fl. oz/100 gallons as a planting material dip treatment. Freshly removed seed material used for immediate planting should be immersed within 12 hours of removal for thorough wetting and coverage. Use a higher label rate under heavy disease pressure. Do not use treated green forage or green fodder for animal feed.

STRAWBERRIES

PROCURE 480SC can be applied for control of strawberry powdery mildew with dilute or concentrate ground equipment. Apply PROCURE 480SC 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 480SC 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 fl. oz. PROCURE 480SC per acre per season.

CROP	DISEASE	Rate of Procure 480SC fl. 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.

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