

Procure[®] 480SC

Agricultural Fungicide

Net
Contents:

Active Ingredient: (% by weight)
Triflumizole [1-[1-((4-chloro-2-(trifluoromethyl) phenyl) imino)-2-propoxyethyl]-1H-imidazole].....42.14%
Other Ingredients:57.86%
Total:.....100.00%

Contains 4 lb 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.

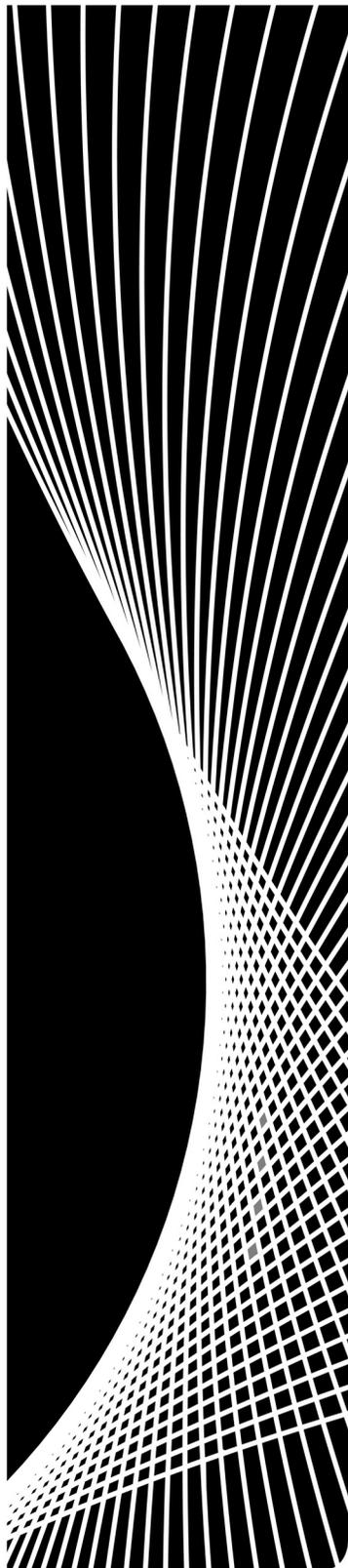
EMERGENCY ASSISTANCE (Human health): Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

MEDICAL EMERGENCY	800-292-5898
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300
PRODUCT SAFETY DATA	800-423-8569

See Additional Precautionary Statements

EPA REG. NO. 400-518
EPA EST. NO.
016/031014

Manufactured for:
MacDermid Agricultural Solutions, Inc.
245 Freight Street
Waterbury, CT 06702



**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, using tobacco or the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling the product. Wash thoroughly and change into 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 cleaning equipment or disposing of equipment washwater or rinsate. 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 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.

PESTICIDE STORAGE: Store in a cool, dry, secure 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 - Nonrefillable container. Do not reuse or refill this container.

For containers equal to or less than 5 gallons in size:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

If pressure rinsing: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

PRODUCT INFORMATION

PROCURE 480SC is a broad-spectrum foliar fungicide for control of certain diseases of certain fruits and vegetables listed within this product labeling. 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 specified application 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.

PRODUCT 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. Do not apply this product through any type of irrigation system.

RESISTANCE MANAGEMENT: Populations of fungal pathogens are known to develop resistance to fungicides with the same mode of action when used repeatedly. Thus, MacDermid Agricultural Solutions 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.

PROCURE 480SC belongs to the demethylation inhibitor (DMI) group of fungicides classified as Group 3. Do not make more than two sequential applications of PROCURE 480SC before alternating to a registered fungicide with a different mode of action. Consult your local or state agricultural authorities for resistance management strategies that are appropriate for your disease management program.

RESTRICTIONS ON ROTATIONAL CROPS: Do not plant leafy or fruiting vegetables within 30 days after application. Do not plant root and tuber vegetables within 60 days after application. Do not plant cotton, small cereal grains and all other crops not registered on the label for PROCURE 480SC, within one year after application.

APPLES & PEARS (POME FRUIT CROP GROUP 11-10)

On pome fruit, 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. Do not apply more than 64 fl oz of PROCURE 480SC per acre per season.

Use PROCURE 480SC adjusted rates 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 specified application rates.

AERIAL APPLICATIONS: When making aerial applications use 12 to 16 fl oz PROCURE 480SC in a minimum of 10 gallons of water per acre*.

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Apples Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote cultivars, varieties and or hybrids of these	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. Use higher rates for more susceptible varieties and heavy disease pressure. For improved scab control apply PROCURE 480SC 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. Use higher rates 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, apply a second application within 7 days of the first treatment. For improved scab control apply PROCURE 480SC in combination with a protectant fungicide. After first cover, continue PROCURE 480SC in a standard cover spray program in combination with protectant fungicides which control other diseases. Application of PROCURE 480SC for control of scab will also control cedar apple rust.

*Not registered for use by air in California.

BRASSICA LEAFY GREENS (CROP SUBGROUP 5B)

Use PROCURE 480SC to control powdery mildew and black spot on the following crops. If other leaf diseases in addition to powdery mildew or black spot must be controlled, PROCURE 480SC can be tank mixed with other fungicides registered for those diseases. Repeat applications if conditions of powdery mildew development persist.

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Broccoli raab Chinese cabbage (bok choy) Collards Kale Mizuna Mustard spinach Rape greens Turnip greens (Including all cultivars and/or hybrids of these)	Powdery Mildew <i>(Erysiphe polygoni)</i> Black Spot <i>(Alternaria spp.)</i>	6 to 8	Apply PROCURE 480SC as a foliar spray in sufficient water to provide thorough coverage of the foliage. Begin applications at the first indication of disease. Use higher rates for heavier infestations and under conditions in which thorough coverage is more difficult. Repeat applications on a 14 day schedule. Do not apply more than 18 fl oz of Procure 480SC per acre per season. Use a minimum of 10 gallons per acre spray volume for ground applications. Use a minimum of 2 gallons per acre spray volume for aerial applications. Applications can be made one day before harvest.

CHERRIES (SWEET & TART)

Apply PROCURE 480SC 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 specified application rates.

CROP	DISEASE	Rate ⁽¹⁾ of Procure 480SC fl 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: Apply 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 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 fl oz PROCURE 480SC in a minimum of 10 gallons of water per acre. Where feasible, ground application should be used because it provides better canopy penetration and coverage.

Always use higher specified application 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.

CUCURBIT VEGETABLES (CROP GROUP 9)

Use PROCURE 480SC 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, Podosphaera xanthii)</i>	4 to 8	Apply PROCURE 480SC as a foliar spray in sufficient water to provide thorough coverage of the foliage. Begin applications 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/or 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 including FRUIT, SMALL FRUIT VINE CLIMBING SUBGROUP 13-7F, EXCEPT FUZZY KIWIFRUIT

Use PROCURE 480SC 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 fl oz/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 specified use rates can be applied before, with, and/or between PROCURE 480SC applications.

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Amur River Grape Grape Gooseberry Maypop Schisandra berry cultivars, varieties, and/or hybrids of these	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 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. Restricted Entry Interval (REI): The REI for girdling grapes is 24 hours (1-day).

HAZELNUTS (FILBERTS)

Application may be made by ground or air. Minimum specified spray volumes are 15 gallons per acre for aerial applications and 100 gallons per acre for ground applications. Use the highest labeled rate by air.

Apply PROCURE 480SC in sufficient spray volume for thorough coverage. Tank mixing the lowest labeled rate of a spray surfactant with PROCURE 480SC may improve spray coverage and penetration. Ground application is preferred.

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Hazelnuts (Filberts)	Eastern Filbert Blight (<i>Anisogramma anomala</i>)	4 to 6	Apply PROCURE 480SC at budbreak (when the first green tissue is visible) as a preventative spray. Continue applications of PROCURE 480SC at 10 to 14 day intervals if weather conditions are conducive to disease development. Use shorter spray intervals during bud break and rapid shoot elongation. The expanding shoot tip must be protected. Apply the high rate to varieties that are highly susceptible to the indicated disease or when severe disease conditions exist. Do not apply more than 24 fl oz of PROCURE 480SC per acre per season. Do not apply within 18 days of harvest. PROCURE 480SC may be applied as a tank mix or alternated with non-DMI fungicides as a resistance management strategy.

HEAD AND STEM BRASSICA (CROP SUBGROUP 5A)

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Head & Stem Brassicas: Broccoli Broccoli, Chinese (gai lon) Brussels sprouts Cabbage Cabbage, Chinese (napa) Cauliflower Cavalo broccolo Kohlrabi Mustard, Chinese (gai choy)	Powdery Mildew (<i>Erysiphe polygoni</i>) Black Spot / Alternaria leaf spot (<i>Alternaria spp.</i>)	6 to 8	Apply PROCURE 480SC as a foliar spray in sufficient water to provide thorough coverage of the foliage. Begin applications at the first indication of disease. Use higher rates for heavier infestations and under conditions in which thorough coverage is more difficult. Repeated applications should be made on a 14 day schedule. Do not apply more than 18 fl oz of Procure 480SC per acre per season. Use a minimum of 10 gallons per acre spray volume for ground applications. Use a minimum of 2 gallons per acre spray volume for aerial applications. Applications can be made one day before harvest.

HOPS

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Hops	Powdery Mildew (<i>Podosphaera macularis</i>)	12	Apply PROCURE 480SC as a foliar spray in sufficient water to provide thorough coverage of the foliage. Applications should begin prior to disease development or at the first indication of the disease. Use higher rates for heavier infections and under conditions in which thorough coverage is more difficult. Repeated applications should be made on a 14 day schedule. Do not apply more than 36 fl oz of PROCURE 480SC per acre per season. Use a minimum of 50 gallons per acre spray volume for ground applications or a minimum of 10 gallons per acre spray volume for aerial applications. Applications can be made up to 7 days before harvest. Do not graze livestock in treated areas or harvest crops grown in treated areas for silage or for hay.

LEAFY GREENS EXCEPT SPINACH (CROP SUBGROUP 4A)

Use PROCURE 480SC to control powdery mildew and black spot/*Alternaria* leaf spot on the following brassica and non-brassica leafy greens. If other leaf diseases in addition to powdery mildew or black spot/*Alternaria* leaf spot must be controlled, PROCURE 480SC can be tank mixed with other fungicides registered for those diseases. Repeated applications should be made if conditions of powdery mildew or black spot/*Alternaria* leaf spot development persist.

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Leafy Greens (except spinach) Amaranth Arugula Chervil Chrysanthemum, edible-leaved & garland Cilantro Corn salad Cress, garden & upland Dandelion Dock Endive Lettuce (head and leaf) including Cos (Romaine) & Butterhead varieties (both field and greenhouse) Parsley Purslane, garden and winter Radicchio Swiss chard (including all cultivars and/or hybrids of these)	Powdery Mildew <i>(Erysiphe spp.)</i> Black Spot/ Alternaria leaf spot <i>(Alternaria spp.)</i>	6 to 8	Apply PROCURE 480SC as a foliar spray in sufficient water to provide thorough coverage of the foliage. Begin applications prior to disease development or at the first indication of the disease. Use higher rates for heavier infestations and under conditions in which thorough coverage is more difficult. Repeated applications should be made on a 14 day schedule. Do not apply more than 18 fl oz of PROCURE 480SC per acre per season. Application may be made by air. Use a minimum of 10 gallons per acre spray volume for ground applications and 2 gallons spray volume for aerial applications. Applications can be made up to the day of harvest (zero day PHI).

PAPAYAS

CROP	DISEASE	Rate of Procure 480SC fl oz/acre	COMMENTS
Canistel Mango Papayas Sapodilla Sapote, black Sapote, mammey Star apple	Black Spot <i>(Asperisporium caricae)</i> Powdery Mildew <i>(Oidium caricae)</i>	8 to 10	Apply PROCURE 480SC as a foliar spray in sufficient water and use appropriate surfactant to provide thorough coverage of the foliage. Begin applications prior to disease development or at the first indication of the disease. Use higher rates for heavier infections and under conditions in which thorough coverage is more difficult. Repeated applications should be made on a 14 day schedule. Do not apply more than 24 fl oz of PROCURE 480SC per acre per season. Use a minimum of 75 gallons per acre spray volume for ground applications. Application may be made by air. Use a minimum of 2 gallons of water per acre for aerial applications. Applications can be made up to the day of harvest (zero day PHI).

PINEAPPLES

Use PROCURE 480SC as a pre-plant seed piece material treatment to control butt rot in pineapples.

CROP	DISEASE	Rate of Procure 480SC fl oz/100 gal	DISEASE PRESSURE	COMMENTS
Pineapples (pre-plant seed piece material treatment)	Butt Rot (<i>Chalara paradoxa</i>)	4 to 8 8 to 12 12 to 16	Light Moderate Severe	Apply PROCURE 480SC at 4-16 fl oz in 100 gallons of water 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 moderate to severe disease pressure. Do not use treated green forage or green fodder for animal feed.

STRAWBERRIES (LOW-GROWING BERRIES EXCEPT CRANBERRIES, CROP SUBGROUP 13-07G)

Apply PROCURE 480SC 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 specified 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
Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partridgeberry Strawberry cultivars, varieties and/ or hybrids of these	Powdery Mildew (<i>Sphaerotheca macularis</i> f. sp. <i>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—To the extent consistent with applicable law, MacDermid Agricultural Solutions, Inc. 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 conditions not reasonably foreseeable to MacDermid Agricultural Solutions, Inc., and to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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