



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 30, 2026

Katy DeGroot
Regulatory Consultant
c/o Pyxis Regulatory Consulting Inc.
535 Dock St., Ste 211
Tacoma, WA 98402

Subject: PRIA Data Review – Amended acute toxicity data citations
Product Name: CAC Prothioconazole 480SC
EPA Registration Number: 92044-11
Application Date: July 29, 2026
Case Number: 713672

Dear Katy DeGroot:

The Agency has reviewed the study submitted to update the acute toxicity data citation and revise the product label accordingly, in connection with your existing pesticide registration under the Federal Insecticide, Fungicide, and Rodenticide Act. The study has been classified as acceptable to satisfy the data requirements of 40 C.F.R. § 158.310 (See OCSPP Guidelines 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600)

If you have any questions, please contact Elisha Graham by email at graham.elisha@epa.gov.

Sincerely,

Kristy Crews, Ph.D., Product Manager 22
Fungicide Branch, Registration Division (7505T)

Enclosure- Stamped Label

{Note to reviewer: [Text] in brackets denotes optional text. In instances where a word or phrase has multiple optional text options, at least one will be used to ensure that the entire statement is clear and understandable. {Text} in braces denotes where in the final label text will appear and notes to reviewer and will not be included on the final printed label.}

{Note to Reviewer: This master label is comprised of 2 sublabels. Sublabel A is for crop use. Sublabel B is for turf use.}

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
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CAC Prothioconazole 480SC {ABN:} [CAC Prothioconazole 480SC Turf]

ACTIVE INGREDIENT:	% BY WT.
Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione*	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL:	100.0%

*CAS No. 178928-70-6

Contains 4.0 pounds prothioconazole per U.S. gallon

[Shake well before use]

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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.	

[See] [inside] [label] [booklet] [side] [panel] [for] [First Aid][,] [additional] [Precautionary Statements][,] [and] [Directions for Use] [including Storage and Disposal] [instructions][.]

FOR 24-HOUR EMERGENCY ASSISTANCE: Spill, leak, fire, exposure, or accident Call CHEMTREC day or night at 1-800-424-9300 or 1-703-527-3887 if calling from outside of the U.S.

Manufactured for:

CAC Chemical Americas LLC

1178 Broadway

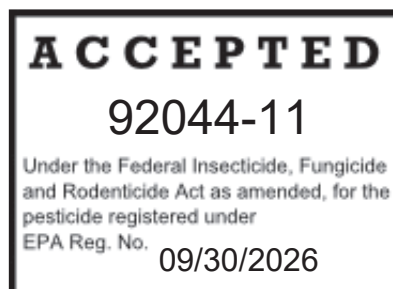
3rd Floor #3766

New York, NY 10001 [Lot][Batch][No.][see container]

EPA Reg. No. 92044-11

EPA Est. No.

Net Contents Gal (L)



{Note to reviewer: [Text] in brackets denotes optional text. In instances where a word or phrase has multiple optional text options, at least one will be used to ensure that the entire statement is clear and understandable. {Text} in braces denotes where in the final label text will appear and notes to reviewer and will not be included on the final printed label.}

{Sublabel A: Crop Use}

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Manufactured for:
CAC Chemical Americas LLC
1178 Broadway
3rd Floor #3766
New York, NY 10001

EPA Reg. No. 92044-11
EPA Est. No.
Net Contents Gal (L)
[Lot][Batch][No.][see container]

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes and socks

User Safety Requirements

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

Engineering Control Statements

When handlers use closed systems, 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 this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to estuarine/marine invertebrates, and freshwater/estuaries/marine aquatic plants. Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas.

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 washwater or rinsate.

Ground Water Advisory

Degradates of prothioconazole are known to leach through soil into groundwater under certain conditions as a result of label use. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of prothioconazole and degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

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 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 and notification to workers (as applicable). 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
- Shoes plus socks

PRODUCT INFORMATION

CAC Prothioconazole 480SC is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes and Deuteromycetes diseases in a variety of crops including barley, buckwheat, bushberry subgroup, low growing berry subgroup (except strawberry), corn, cotton, cucurbit vegetables, dry shelled pea and bean crop subgroup, millet, oats, peanuts, rapeseed subgroup 20A (including canola and *Brassica carinata*), rice, rye, soybean, sugar beets, triticale, wheat; conifer and hardwood nursery seedlings. Under conditions conducive to extended infection periods or high disease pressure, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease. Equipment must be properly calibrated before use.

USE RESTRICTIONS

Do not apply prothioconazole with mechanically pressurized handgun equipment to orchards or vineyards (Bushberry subgroup 13-07B, Low growing berry subgroup, except strawberry subgroup 13-07H, field crops (Cucurbit Vegetables (Crop Group 9), Corn, sweet, Garbanzos (including chickpeas); Lentils) or nursery pine and conifer seedlings (Shortleaf loblolly, Slash, Longleaf and other pines, other conifers, other hardwoods).

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, CAC Prothioconazole 480SC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to CAC Prothioconazole 480SC and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of CAC Prothioconazole 480SC or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that

using predictive models alone is not sufficient to manage resistance.

- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

Report any incidence of non-performance of this product to your CAC Chemical Americas LLC retailer, representative or call CAC Chemical Americas LLC. You can also contact your pesticide distributor or university extension specialist to report resistance.

Spray Equipment/Volumes

CAC Prothioconazole 480SC may be applied by either ground, aerial and/or chemigation application equipment. Refer to the USE DIRECTIONS FOR SPECIFIC CROPS section of this label for approved applications for each crop.

Apply in a minimum of 10 gallons of spray solution per acre by ground sprayer. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment unless stated differently elsewhere in this label. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Mixing Procedures

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Prepare no more spray mixture than is necessary for the immediate operation. Thoroughly clean spray equipment before using this product. Maintain maximum agitation throughout the spray operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to the previously treated area or dispose of the rinsate according to local regulations.

CAC Prothioconazole 480SC Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the CAC Prothioconazole 480SC to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the product has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

CAC Prothioconazole 480SC + Tank-Mix Partners: Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any of the tank-mix partners. In general, tank-mix partners must be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

When using CAC Prothioconazole 480SC in tank mixtures, all products in water-soluble packaging must be added to the tank before any other tank-mix partner, including CAC Prothioconazole 480SC. Allow the water-soluble packaging to completely disperse before adding any other tank-mix partner to the tank.

If using CAC Prothioconazole 480SC in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. No label dosage rate must be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product that prohibits such mixing. Tank mixtures or other applications of products are permitted only in those states in which the products are registered.

CAC Prothioconazole 480SC is compatible with most insecticide, fungicide, herbicide, and foliar nutrient products. However, the physical compatibility of CAC Prothioconazole 480SC with tank-mix partners must be tested before use. To determine the physical compatibility of CAC Prothioconazole 480SC with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically

compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. For further information, contact your local CAC Chemical Americas LLC representative.

The crop safety of all potential tank mixes including additives and other pesticides on all crops has not been tested. Before applying any tank mixture not specifically on this label, the safety to the target crop must be confirmed. To test for crop safety, apply CAC Prothioconazole 480SC to the target crop in a small area and in accordance with label instructions for the target crop.

Soilborne/Seedling Disease Control

CAC Prothioconazole 480SC can provide control of certain soilborne/seedling diseases when applied as an in-furrow application at time of planting or as a banded application applied over the row at time of planting and up to row closure on certain crops. Refer to the USE DIRECTIONS FOR SPECIFIC CROPS section of the label to determine which crops contain directions for in-furrow and/or banded applications and for the optimal timings, rates and band widths of these applications.

In-Furrow Application

- Apply CAC Prothioconazole 480SC as an in-furrow application in 2.5 to 20 gallons of water at planting.
- Mount the spray nozzle such that the spray is directed into the furrow just before the seeds are covered.

Banded Application

- Apply CAC Prothioconazole 480SC as a directed spray to the soil, using single or multiple nozzles which can be adjusted to provide uniform coverage of the lower stems and the soil surface surrounding the plants.
- To calculate rates:

$$\frac{\text{Sprayed Bed Width (in)}}{\text{Total Row Width (in)}} \times \frac{\text{Broadcast Rate}}{\text{Treated Acre}} = \text{Band Rate/Field Acre}$$

Rate per 1000 Row Feet	RATE OF CAC PROTHIOCONAZOLE 480SC FOR IN-FURROW AND BANDED APPLICATIONS (fl oz per acre)								
fl oz product	15" rows	20" rows	22" rows	30" rows	32" rows	34" rows	36" rows	38" rows	40" rows
0.075	2.61								
0.100	3.48	2.61							
0.125	4.36	3.27	2.97						
0.150	5.23	3.92	3.56	2.61					
0.175	6.10	4.57	4.16	3.05	2.86	2.69			
0.200	6.97	5.23	4.75	3.48	3.27	3.07	2.90	2.75	2.61
0.225		5.88	5.35	3.92	3.68	3.46	3.27	3.10	2.94
0.250		6.53	5.94	4.36	4.08	3.84	3.63	3.44	3.27
0.275			6.53	4.79	4.49	4.23	3.99	3.78	3.59
0.300				5.23	4.90	4.61	4.36	4.13	3.92
0.325				5.66	5.31	5.00	4.72	4.47	4.25
0.350				6.10	5.72	5.38	5.08	4.81	4.57
0.375				6.53	6.13	5.77	5.45	5.16	4.90
0.400				6.97	6.53	6.15	5.81	5.50	5.23
0.425					6.94	6.53	6.17	5.85	5.55
0.450						6.92	6.53	6.19	5.88
0.475							6.90	6.53	6.21
0.500								6.88	6.53
0.525									6.86
0.543									7.10

Aerial Application: Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

Chemigation Application: Apply CAC Prothioconazole 480SC through irrigation equipment only to crops for which chemigation is specified on this label.

CAC Prothioconazole 480SC alone or in combination with other pesticides, which are registered for application

through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, drip, linear, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system. Illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you must contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments if the need arise.

Operating Instructions

1. The system must contain a functional check-valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed, and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended.

Center Pivot Irrigation Equipment

Notes: (1) Use only with drive systems, which provide uniform water distribution. (2) Do not use end guns when chemigating CAC Prothioconazole 480SC through center pivot systems because of non-uniform application.

Determine the size of the area to be treated. Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. When applying CAC Prothioconazole 480SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity. Using water, determine the injection pump output when operated at normal line pressure. Determine the amount of CAC Prothioconazole 480SC required to treat the area covered by the irrigation system. Add the required amount of CAC Prothioconazole 480SC and sufficient water to meet the injection time requirements to the solution tank. Make sure the system is fully charged with water before starting injection of the CAC Prothioconazole 480SC solution. Time the injection to last at least as long as it takes to bring the system to full pressure. Maintain constant solution tank agitation during the injection period. Continue to operate the system until the CAC Prothioconazole 480SC solution has cleared the sprinkler head.

Solid Set and Moving Wheel Irrigation Equipment

When applying CAC Prothioconazole 480SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Determine the amount of CAC Prothioconazole 480SC required to treat the area covered by the irrigation system. Add the required amount of CAC Prothioconazole 480SC into the same quantity of water used to calibrate the injection period. Operate the system at the same pressure and time interval established during the calibration. Stop injection equipment after treatment is completed. Continue to operate the system until the CAC Prothioconazole 480SC solution has cleared the last sprinkler head.

Using Water from Public Water Systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system must be

discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Adjuvants: CAC Prothioconazole 480SC may to be used with a registered non-ionic surfactant at the lowest labeled rate for most crops. Refer to the individual crop directions for those specific uses where a surfactant may not be used.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles – Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Handheld Technology Applications:

- Take precautions to minimize spray drift.

Guidance to Avoid Spray Drift

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

1. Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If non-target crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
2. Use caution when conditions are favorable for drift (high temperatures, drought, and low relative humidity).
3. Do not apply when temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

ROTATIONAL RESTRICTIONS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. For crops not listed on this label, do not plant back within 30 days of last application.

USE DIRECTIONS FOR SPECIFIC CROPS

CAC Prothioconazole 480SC provides control or suppression of many important diseases of barley, buckwheat, bushberry subgroup, low growing berry subgroup (except strawberry), corn, cotton, cucurbit vegetables, dry shelled pea and bean crop subgroup, rice, millet, oats, peanuts, rapeseed subgroup 20A (including canola and *Brassica carinata*), rye, soybean, sugar beets, triticale, wheat; conifer and hardwood nursery seedlings. When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Barley	Fusarium Head Blight (<i>Fusarium</i> spp.) (Suppression Only)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	Leaf and Stem Diseases Net Blotch (<i>Pyrenophora teres</i>) Powdery Mildew (<i>Blumeria graminis</i> f. sp. <i>Hordei</i>) Rusts (<i>Puccinia</i> spp.) Scald (<i>Rhynchosporium secalis</i>) Spot Blotch (<i>Cochliobolus sativus</i>)	2.8 - 4.3 fl oz/A (0.088 - 0.134 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. For aerial applications made prior to heading (prior to Feekes Growth Stage 10.5), apply a minimum of 2 gpa spray solution. For aerial applications made at the heading growth stage or later, apply in a minimum of 5 gpa spray solution. Chemigation use is allowed only for applications made prior to heading. Fusarium Head Blight (Suppression Only): The optimal time to apply CAC Prothioconazole 480SC is as a preventative foliar spray when barley heads on the main stem are fully emerged (~ Feekes Growth Stages 10.5). Spray equipment must be set to provide good coverage to barley heads. For thorough coverage of barley head using ground application equipment, it is advised to use forward and backward mounted nozzles or nozzles that have a two-directional spray. Nozzles must be operated within the spray pressure directions suggested by the manufacturer. Leaf and Stem Diseases: Apply CAC Prothioconazole 480SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Barley fields must be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	
Repeat applications using a 14-day spray interval if conditions remain favorable for continued or increasing disease development. For optimum disease control, the lowest labeled rate of a spray surfactant must be tank mixed with CAC Prothioconazole 480SC.		
RESTRICTIONS:		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
- Do not apply more than two [(2)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 9.37 fl oz/A (0.293 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply within 32 days of harvest. - Minimum retreatment interval: 14 days.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Bushberry subgroup (Subgroup 13-07B): Aronia berry; blueberry (highbush and lowbush); Chilean guava; highbush cranberry; currant (black, buffalo, and red); elderberry; European barberry; gooseberry; edible honeysuckle; huckleberry; jostaberry; juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; and cultivars, varieties, and/or hybrids of these	Septoria leaf spot (<i>Septoria</i> spp.) Monilinia blight (<i>Monilinia vaccinii-corymbosi</i>) Valdensinia leaf spot (<i>Valdensinia heterodoxa</i>) Leaf rust (<i>Thekopsora minima</i>) Anthracnose (<i>Colletotrichum gloeosporioides</i>) Botrytis blight (<i>Botrytis cinerea</i>) Phomopsis canker and twig blight ^[1] (<i>Phomopsis vaccinii</i>) Alternaria fruit rot ^[1] (<i>Alternaria</i> spp.) White pine blister rust ^[1] (<i>Cronartium ribicola</i>)	5.7 fl oz/A (0.178 lbs ai/A)
CAC Prothioconazole 480SC may be applied by either ground or chemigation application equipment. Apply CAC Prothioconazole 480SC at the first sign of disease.		
Repeat applications as needed using a 7- to 10-day spray interval if conditions remain favorable for continued or increasing disease development.		
RESTRICTIONS: - Do not apply more than two [(2)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 11.4 fl oz/A (0.356 lbs ai/A) of CAC Prothioconazole 480SC per year - Do not apply within 7 days of harvest. - Minimum retreatment interval: 7 days. - Do not apply this product with mechanically pressurized handgun equipment.		
^[1] Not Registered for use by California		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Low growing berry subgroup, except strawberry^[1]: Bearberry; bilberry; cloudberry; cranberry; muntries; partridgeberry; and cultivars, varieties, and/or hybrids of these	Fruit rot: <i>Coleophoma empetri</i> <i>Glomerella cingulata</i> <i>Phyllosticta vaccinii</i> <i>Physalospora vaccinii</i> <i>Allantophomopsis lycopodina</i> <i>Allantophomopsis cytispora</i> <i>Fusicoccum putrefaciens</i> <i>Penicillium</i> spp. <i>Phomopsis vaccinii</i> <i>Colletotrichum acutatum</i> <i>Botrytis</i> spp. <i>Monilinia</i> spp. Valdensinia leaf spot (<i>Valdensinia heterodoxa</i>)	5.0 fl oz/A (0.156 lbs ai/A)
CAC Prothioconazole 480SC may be applied by either ground or chemigation application equipment. For best control of fruit rots begin applications at early bloom. Make a second application of CAC Prothioconazole 480SC or another approved fungicide 7-10 days later.		
Repeat applications as needed using a 7- to 10-day spray interval if conditions remain favorable for continued or increasing disease development.		
RESTRICTIONS:		

- Do not apply more than two [(2)] applications of CAC Prothioconazole 480SC per year.
- Do not apply more than 10.0 fl oz/A (0.313 lbs ai/A) of CAC Prothioconazole 480SC per year.
- Do not apply within 45 days of harvest.
- Minimum retreatment interval: 7 days.
- Do not apply this product with mechanically pressurized handgun equipment.

[¹ Not Registered for use by California]

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Buckwheat Millet, pearl Millet, proso Oats Rye	Rusts (<i>Puccinia</i> spp.) Glume Blotch (<i>Stagonospora nodorum</i>) Head Blight or Scab (<i>Fusarium graminearum</i>) - Suppression Powdery Mildew (<i>Erysiphe graminis</i>) Scald (<i>Rhynchosporium secalis</i>) Speckled Blotch (<i>Septoria avenae</i> ; <i>Septoria tritici</i>) Spot Blotch (<i>Bipolaris sorokiniana</i>) Tan Spot or Yellow leaf Spot (<i>Pyrenophora tritici-repentis</i>)	5 - 5.7 fl oz/A (0.156 to 0.178 lbs ai/A)
	Apply CAC Prothioconazole 480SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Fields must be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	
Applications may be made by ground or aerial spray equipment.		
RESTRICTIONS:		
• Do not apply more than one [(1)] application of CAC Prothioconazole 480SC per year. • Do not apply more than 5.7 fl oz/A (0.178 lbs ai/A) of CAC Prothioconazole 480SC per year. • Do not apply within 30 days of harvest.		

APPLICATION DIRECTIONS			
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC	APPLICATION TIMING
Corn (field corn, field corn grown for seed and popcorn)	Anthracnose Leaf Blight (<i>Colletotrichum graminicola</i>) Eye spot (<i>Aureobasidium zeae</i>) Gray leaf spot (<i>Cercospora zeae-maydis</i>) Northern Corn Leaf Blight (<i>Setosphaeria turcica</i>) ¹ Northern Corn Leaf Spot (<i>Cochliobolus carbonum</i>) ¹ Rust (<i>Puccinia</i> spp.) Southern Corn Leaf Blight (<i>Cochliobolus heterostrophus</i>) ¹	5.7 fl oz/A (0.178 lbs ai/A)	Apply CAC Prothioconazole 480SC at the first sign of disease. Repeat applications as needed on a 7 - to 14-day interval if favorable conditions for disease development persist. Do not use adjuvants in sprays made between V8 (8 leaf collar) and VT (lowest branch of the tassel is visible but the silks have not yet emerged).
	For the suppression of: Fusarium ^[2] ear rot (<i>Fusarium</i> spp.) Gibberella ^[2] ear rot (<i>Gibberella</i> spp.) Aspergillus ^[2] ear rot (<i>Aspergillus</i> spp.)	5.7 fl oz/A (0.178 lbs ai/A)	For optimum suppression of Fusarium, Gibberella and Aspergillus ear rots, apply CAC Prothioconazole 480SC from the R1 (initial silk emergence) to the R2 (brown silk) corn growth stages. CAC Prothioconazole 480SC will reduce both disease symptoms and levels of mycotoxin in the grain.
	Soilborne/Seedling Diseases: Rhizoctonia root ^[2] and stalk rot ^[2] (<i>Rhizoctonia solani</i>)	2.6 - 4.0 fl oz/A (0.081 - 0.125 lbs ai/A)	In furrow application for soilborne/seedling disease control, see use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL Section.

CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. For aerial applications, apply CAC Prothioconazole 480SC using a minimum of 3 gpa spray solution. An adjuvant may be used to improve spray coverage. Refer to the adjuvant product label for specific use directions. Application of CAC Prothioconazole 480SC is not advised at times when corn is under severe environmental stress conditions. Forage may be harvested the same day of application.

RESTRICTIONS:

- Do not apply more than four [(4)] applications of CAC Prothioconazole 480SC per year.
- Do not apply more than 22.8 fl oz/A (0.713 lbs ai/A) total from all uses, including soil and foliar applications of CAC Prothioconazole 480SC per year.
- Do not apply within 14 days of harvest for grain and fodder.
- Minimum retreatment interval: 7 days.

¹ The above diseases are also known as Helminthosporium leaf blights

² Not registered for use by California]

APPLICATION DIRECTIONS		
CROP	DISEASES SUPPRESSED	RATE OF CAC PROTHIOCONAZOLE 480SC
Cotton	In furrow and Banded Damping off (<i>Rhizoctonia solani</i>) Fusarium Wilt ^[1] (<i>Fusarium</i> spp.)	5.7 - 7.1 fl oz/A (0.178 - 0.222 lbs ai/A) (0.4 - 0.5 fl oz per 1000 row feet)
	Foliar Target Spot (<i>Corynespora cassiicola</i>) Rust (<i>Puccinia</i> spp.)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	Application Directions: For foliar applications: CAC Prothioconazole 480SC may be applied by ground, aerial, or chemigation application equipment. For in-furrow applications: Apply 5.7 to 7.1 fl oz per acre (0.393 to 0.489 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. For banded applications: CAC Prothioconazole 480SC may also be applied in a 4- to 6-inch band over the row at or near emergence.	
	Repeat applications as needed using a 14-day spray interval if conditions remain favorable for continued or increasing disease development.	
RESTRICTIONS:		
• When used at 5.0 to 5.7 fl oz/A, do not apply more than three [(3)] applications of CAC Prothioconazole 480SC per year including the in-furrow, banded and foliar applications. • When used at a rate above 5.7 fl oz/A, do not make more than two [(2)] total applications of CAC Prothioconazole 480SC per year including in-furrow, banded, and foliar applications. • Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year including all soil and foliar applications. • Do not apply within 30 days of harvest. • Minimum retreatment interval: 14 days.		
^[1] Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Chickpea	Ascochyta Blight (<i>Ascochyta</i> spp.)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lb ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. Apply CAC Prothioconazole 480SC at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing susceptible varieties.	
Repeat applications as needed using a 10- to 14-day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with CAC Prothioconazole 480SC.		
RESTRICTIONS:		
- Do not apply more than three [(3)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year. - Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest. - Minimum retreatment interval: 10 days. - Do not apply this product with mechanically pressurized handgun equipment.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Cucurbit vegetables (Crop Group 9): Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; edible gourd (includes hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (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); pumpkin; squash (summer and winter, includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini, butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon	Fusarium wilt Fusarium blight (<i>Fusarium oxysporum</i>) (<i>Fusarium</i> spp.) Gummy stem blight (<i>Didymella</i> spp.) Southern blight ^[1] (<i>Sclerotium roflsii</i>) Powdery mildew (<i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthii</i>) (<i>Erysiphe cichoracearum</i>)	5.7 fl oz/A (0.178 lbs ai/A) (soil) 5.7 fl oz/A (0.178 lbs ai/A) (foliar)
	CAC Prothioconazole 480SC may be applied by either ground or chemigation application equipment (including drip irrigation). Do not use in water used for hand transplanting. Not for use in greenhouse/transplant house.	
Repeat applications as needed using a 5- to 10-day spray interval if conditions remain favorable for continued or increasing disease development.		
RESTRICTIONS:		
- Do not apply more than one [(1)] soil application and two [(2)] foliar applications of CAC Prothioconazole 480SC per year. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply within 7 days of harvest. - Minimum retreatment interval: 5 days. - Do not apply this product with mechanically pressurized handgun equipment.		
[¹ Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Dried Shelled Peas and Beans Subgroup (except soybeans) <i>Lupinus</i> spp. (Grain, Sweet, White and White Sweet lupins) <i>Phaseolus</i> spp. (Field, Kidney, Dry lima, Navy, Pinto and Tepary beans) <i>Vigna</i> spp. (Adzuki bean, Blackeyed pea, Catjang, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea and Urd bean) Dry broad bean Guar Lablab bean <i>Pisum</i> spp. [Pea (including Field pea) and Pigeon pea]	Foliar	5.7 fl oz/A (0.178 lbs ai/A)
	Ascochyta Blight (<i>Ascochyta pinodes</i>) Rust (<i>Uromyces appendiculatus</i>) White Mold (<i>Sclerotinia sclerotiorum</i>)	
	In Furrow	2.6 - 5.0 fl oz/A (0.081 - 0.156 lbs ai/A)
	Rhizoctonia rots ^[1] (<i>Rhizoctonia</i> spp.)	
CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. For ground applications, apply in a minimum of 20 gpa. For rust control, apply CAC Prothioconazole 480SC at the first sign of disease. For white mold control, apply CAC Prothioconazole 480SC at 25% flower. In-furrow use: Apply up to 5.0 fl oz per acre (0.288 fl oz per 1000 row feet if on 30 inch row spacing; 0.192 fl oz per 1000 row feet if on a 20 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section.		
Repeat applications as needed using a 5- to 14-day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant must be tank-mixed with CAC Prothioconazole 480SC. RESTRICTIONS: - Do not apply more than three [(3)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year. - Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest. - Minimum retreatment interval: 5 days.		
[¹ Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Lentils	Ascochyta Blight (<i>Ascochyta</i> spp.)	4.3 - 5.7 fl oz/A (0.134 - 0.178 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. Apply CAC Prothioconazole 480SC at early flower or at the first sign of disease. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties.	
Repeat applications as needed using a 10- to 14-day spray interval if conditions remain favorable for continued or increasing disease development. To optimize disease control, the lowest labeled rate of a spray surfactant must be tank-mixed with CAC Prothioconazole 480SC.		
RESTRICTIONS:		
- Do not apply more than three [(3)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year. - Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest. - Minimum retreatment interval: 10 days. - Do not apply this product with mechanically pressurized handgun equipment.		

APPLICATION DIRECTIONS		
CROP	DISEASE SUPPRESSED	RATE OF CAC PROTHIOCONAZOLE 480SC
Peanut ^[1]	In-furrow and banded Sclerotium Rot White Mold Southern Blight Southern Stem rot (<i>Sclerotium rolfsii</i>) Rhizoctonia Limb Rot (<i>Rhizoctonia solani</i>) Early Leaf Spot (<i>Cercospora arachidicola</i>) Late Leaf Spot (<i>Cercosporidium personatum</i>) Cylindrocladium Black Rot (CBR) (<i>Cylindrocladium crotalariae</i>) (Suppression with In furrow only)	0.4 fl oz per 1000 row feet (5.7 fl oz/A) (0.178 lbs ai/A)
	Soil-Borne Sclerotium Rot (<i>Sclerotium rolfsii</i>) (White Mold, Southern Blight, Southern Stem Rot) Rhizoctonia Limb Rot, Peg Rot, Pod Rot (<i>Rhizoctonia solani</i>) Cylindrocladium Black Rot (<i>Cylindrocladium crotalariae</i>) (Suppression Only)	5.7 fl oz/A (0.178 lbs ai/A)
	Foliar Early Leaf Spot (<i>Cercospora arachidicola</i>) Late Leaf Spot (<i>Cercosporidium personatum</i>) Leaf Rust (<i>Puccinia arachidis</i>) Web Blotch (<i>Phoma arachidicola</i>) Leaf Scorch and Pepper Spot (<i>Leptosphaerulina crassiasca</i>)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by ground, chemigation, or aerial application equipment. In-furrow and Banded Spray Program: Apply 5.7 fl oz per acre (0.4 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. CAC Prothioconazole 480SC may also be applied in a 4- to 6-inch band over the row at or near emergence. CAC Chemical Americas LLC advises a minimum application volume of 20 gpa. Foliar Disease Spray Program: Apply the specified rate in a preventive spray schedule. Apply up to four (4) sprays using a 14-day interval. Use the higher use rate when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties. Soil-Borne Disease Spray Program: For optimum control of the specified soil-borne diseases, four consecutive applications of CAC Prothioconazole 480SC must be made at 14-day intervals. In a typical 7 spray application program beginning 30-40 days after planting or as specified by the local Extension Service, CAC Prothioconazole 480SC must be applied for sprays 3, 4, 5 and 6. Applications of fungicides with a different mode of action should be made prior to and following applications of CAC Prothioconazole 480SC to discourage development of resistant strains of fungi. Use CAC Prothioconazole 480SC in conjunction with cultural practices that are known to reduce the severity of soil-borne diseases, such as proper crop rotation practices. For control of soil-borne diseases when using a Leaf Spot Advisory Program schedule, apply CAC Prothioconazole 480SC in the first advisory spray in July and continue CAC Prothioconazole 480SC applications at 14-day intervals. CAC Prothioconazole 480SC must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by <i>Sclerotium rolfsii</i> and <i>Rhizoctonia solani</i> . Drought conditions will decrease the effectiveness of CAC Prothioconazole 480SC against the root and pod rots.	
When planting varieties with good to excellent levels of resistance to foliar diseases, the application interval may be extended up to 21 days in the absence of soil borne diseases. RESTRICTIONS: - Do not apply more than four [(4)] applications of CAC Prothioconazole 480SC per year, including the in-furrow and banded applications. - Do not apply more than 22.8 fl oz/A (0.713 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not feed hay or threshing or allow livestock to graze in treated areas. - CAC Prothioconazole 480SC may be applied up to 14 days before harvest. - Minimum retreatment interval: 14 days.		

APPLICATION DIRECTIONS		
CROP	DISEASE SUPPRESSED	RATE OF CAC PROTHIOCONAZOLE 480SC
[¹ Not registered for use by California]		
APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Rapeseed Subgroup 20A (including canola and <i>Brassica carinata</i>^[1]): Borage, <i>Brassica carinata</i> , crambe, cuphea, echium, flax, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweek, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket, cultivars, varieties, and/or hybrids of these	Sclerotinia Stem Rot White Mold (<i>Sclerotinia sclerotiorum</i>)	4.3 - 5.7 fl oz/A (0.134 - 0.178 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. Apply CAC Prothioconazole 480SC when the crop is in the 20 - 50% bloom stage. Best protection will be achieved when the fungicide is applied prior to petals beginning to fall, and will allow for the maximum number of petals to be protected. Utilize the higher rate for fields with a history of heavy disease pressure or for dense crop stands. Good spray coverage of the plants is essential. The lowest labelled rate of a non-ionic surfactant may be tank-mixed with CAC Prothioconazole 480SC.	
A second application may be made after 14 days if conditions remain favorable for continued or increasing disease development. CAC Prothioconazole 480SC may be applied until the 50% bloom stage.		
RESTRICTIONS:		
- Do not apply more than two [(2)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 11.4 fl oz/A (0.356 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply within 36 days of harvest. - Minimum retreatment interval: 14 days.		
[¹ Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Rice ^[1]	Sheath/Stem Diseases Sheath Blight (<i>Rhizoctonia solani</i>) Foliar Diseases Brown Spot (<i>Cochliobolus miyabeanus</i>) Narrow Brown Leafspot (<i>Cercospora oryzae</i>) Leaf Smut (<i>Entyloma oryzae</i>) False smut (<i>Ustilaginoidea virens</i>)	4.5 fl oz/A (0.141 lbs ai/A)
	Apply CAC Prothioconazole 480SC at initial sign of disease. Exact timing for rice disease control is dependent on rice growth stage, rice variety, the type of disease to be controlled and disease severity. Applications typically will occur from panicle differentiation to late boot. Consult with your local extension personnel or CAC Chemical Americas LLC representative to determine if treatment is needed.	
Application may be made by ground or aerial spray equipment.		
RESTRICTIONS: - Do not apply more than one [(1)] application of CAC Prothioconazole 480SC per year. - Do not apply more than 4.5 fl oz/A (0.141 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply CAC Prothioconazole 480SC later than 70% panicle emergence from the boot. - Do not apply within 40 days of harvest.		
[¹ Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Soybean	Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Frog Eye Leaf Spot (<i>Cercospora sojina</i>) Powdery Mildew (<i>Microsphaera diffusa</i>) Brown Spot ^[1] (<i>Septoria glycines</i>)	2.5 - 3.0 fl oz/A (0.078 - 0.094 lbs ai/A)
	Alternaria Leaf Spot ^[1] (<i>Alternaria</i> spp.) Anthracnose ^[1] (<i>Colletotrichum truncatum</i>) Asian Soybean Rust ^[1] (<i>Phakopsora pachyrhizi</i>) Brown Spot ^[1] (<i>Septoria glycines</i>) Cercospora Blight ^[1] (<i>Cercospora kikuchii</i>) Frogeye Leaf Spot ^[1] (<i>Cercospora sojina</i>) Pod & Stem Blight ^[1] (<i>Diaporthe phaseolorum</i>) Powdery Mildew ^[1] (<i>Microsphaera diffusa</i>) Rhizoctonia Aerial Blight ^[1] (<i>Rhizoctonia solani</i>) Sclerotinia Stem Rot also known as White Mold (<i>Sclerotinia sclerotiorum</i>) (Suppression Only)	3.0 - 5.0 fl oz/A (0.094 to 0.156 lbs ai/A)
	In Furrow Rhizoctonia rots ^[1] (<i>Rhizoctonia</i> spp.)	2.6 - 5.0 fl oz/A (0.081 - 0.156 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. For aerial application, apply in a minimum spray volume of 2 gpa. Apply CAC Prothioconazole 480SC as a broadcast, preventative foliar spray or at first visible symptoms of the disease. Repeat applications on a 10- to 21-day spray interval if environmental conditions are favorable for continued disease development. Use of the higher rate and shorter spray intervals are advised when disease pressure is severe. In-furrow use: Apply up to 5.0 fl oz per acre (0.288 fl oz per 1000 row feet if on 30 inch row spacing; 0.192 fl oz per 1000 row feet if on a 20 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section. Sclerotinia Stem Rot (Suppression Only): Apply CAC Prothioconazole 480SC as a broadcast foliar spray at R1 (beginning bloom) when conditions are favorable for disease development. A sequential treatment of CAC Prothioconazole 480SC or Stratego YLD Fungicide may be made at R3 - R4 (beginning to full pod). CAC Prothioconazole 480SC may be applied by ground or air. Apply in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment.	
RESTRICTIONS: - Do not apply more than three [(3)] applications per year including all soil and foliar applications. - Do not apply more than 12.9 fl oz/A (0.403 lbs ai/A) of CAC Prothioconazole 480SC per year. - Applications may not be made within 21 days of harvest. - Minimum retreatment interval: 10 days.		
[¹ Not registered for use by California]		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Sugar beets	Foliar Diseases Cercospora Leaf Spot (<i>Cercospora beticola</i>) Powdery Mildew (<i>Erysiphe polygoni</i>)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	In furrow and banded	5.7 fl oz/A (0.178 lbs ai/A)
	Rhizoctonia Stem Canker, Root Rot, Crown Rot (<i>Rhizoctonia solani</i>)	
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. Foliar disease control: Apply CAC Prothioconazole 480SC at the first sign of disease. Use the higher use rate and shorter intervals when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties. Soil-borne disease control: Apply CAC Prothioconazole 480SC in a seven-inch band at the 4-leaf to row closure growth stage. For in-furrow use: apply up to 5.7 fl oz per acre (0.4 fl oz per 1000 row feet if on 36 inch row spacing) in the furrow at planting. See use directions and rate chart for various row spacing under the SOILBORNE/SEEDLING DISEASE CONTROL section.	
Repeat applications as needed using a 14- to 21-day spray interval depending on disease pressure. Use a 14-day spray interval under normal to heavy disease pressure and a 21-day spray interval under light disease pressure. To optimize disease control, the lowest labeled rate of a spray surfactant may be tank-mixed with CAC Prothioconazole 480SC.		
RESTRICTIONS:		
- Do not apply more than three [(3)] applications of CAC Prothioconazole 480SC per year including all soil and foliar applications. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of CAC Prothioconazole 480SC per year. - Allow a minimum of 7 days from the last application before harvesting. - CAC Prothioconazole 480SC is a Group 3 fungicide. To limit the potential for development of disease resistance: - Alternate every application of CAC Prothioconazole 480SC with a non-Group 3 fungicide. - Minimum retreatment interval: 14 days.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Wheat (spring, durum and winter) Triticale	Fusarium Head Blight (<i>Fusarium</i> spp.) (Suppression Only)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	Leaf and Stem Diseases Powdery Mildew (<i>Blumeria graminis</i> f. sp. <i>tritici</i>) Rusts (<i>Puccinia</i> spp.) Septoria Leaf and Glume Blotch (<i>Septoria tritici</i>) Stagonospora Blotch (<i>Stagonospora nodorum</i>) Tan Spot (<i>Pyrenophora tritici-repentis</i>)	4.3 - 5.0 fl oz/A (0.134 - 0.156 lbs ai/A)
	CAC Prothioconazole 480SC may be applied by either ground, aerial or chemigation application equipment. For aerial application made prior to early flower (prior to Feekes Growth Stage 10.51), apply a minimum of 2 gpa spray solution. For aerial applications made at the early flower growth stage or later, apply in a minimum of 5 gpa spray solution. Chemigation use is allowed only for applications made prior to early flower. Fusarium Head Blight (Suppression Only): The optimal time to apply CAC Prothioconazole 480SC is as a preventative foliar spray at early flower (Feekes Growth Stage 10.51). Spray equipment must be set to provide good coverage to wheat heads. For thorough coverage of the wheat head using ground application equipment, use forward and backward mounted nozzles or nozzles that have a two-directional spray. Operate nozzles within the spray pressure directions suggested by the manufacturer. Leaf and Stem Diseases: Apply CAC Prothioconazole 480SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Wheat fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Repeat applications using a 14-day spray interval if conditions remain favorable for continued or increasing disease development. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank mixed with CAC Prothioconazole 480SC.		
RESTRICTIONS: - Do not apply more than two [(2)] applications of CAC Prothioconazole 480SC per year. - Do not apply more than 9.37 fl oz/A (0.293 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply within 30 days of harvest. - Minimum retreatment interval: 14 days.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF CAC PROTHIOCONAZOLE 480SC
Nursery seedlings of Shortleaf, Loblolly, Slash, Longleaf and other pines and other Conifers and Hardwoods	Fusiform rust (<i>Cronartium quercum</i> f.sp. <i>fusiforme</i>) Pitch canker (<i>Fusarium</i> spp.) Rhizoctonia foliar blight (<i>Rhizoctonia</i> spp.)	5.0 fl oz/A (0.156 lbs ai/A)
Nursery seeds of Shortleaf, Loblolly, Slash, Longleaf and other pines and other Conifers and Hardwoods	Fusiform rust (<i>Cronartium quercum</i> f.sp. <i>fusiforme</i>) Pitch canker (<i>Fusarium</i> spp.)	10 fl oz per 50 lbs seed
The crop safety and mix compatibility on all tree species and in tank-mixes with other products (spray surfactants, fertilizers, insecticides, etc.) has not been confirmed. CAC Chemical Americas LLC advises small scale testing with your planned use pattern. The user assumes all risks with the use of this product on trees. Tree Seedling Application Directions: Foliar disease control: Apply CAC Prothioconazole 480SC preventatively or at the first sign of disease using ground equipment only. Repeat applications as needed using a 14- to 21-day spray interval depending on your region. Consult your local extension agent on locally specified spray intervals. Use shorter intervals when conditions are favorable for severe disease pressure and/or when growing less disease resistant varieties. To optimize disease control, the lowest labeled rate of a spray surfactant may be tank-mixed with CAC Prothioconazole 480SC. RESTRICTIONS: - Do not apply more than 25 fl oz/A (0.781 lbs ai/A) of CAC Prothioconazole 480SC per year. - Do not apply more than five [(5)] applications at 5.0 fl oz/A (0.156 lb ai/A) per year. - Do not use in forest planting or established woodlands. - Minimum retreatment interval: 14 days. - Do not apply this product with mechanically pressurized handgun equipment. Tree Seed Treatment Directions: Apply specified dosage to seed in a commercial treater or other suitable tumbler apparatus. Allow to mix for at least 10 minutes. Thoroughly air dry before sowing. RESTRICTIONS: - Do not use treated seed for food or feed purposes. - Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag: "This seed has been treated with prothioconazole. Treated Seed - Do not Use for Food, Feed, or Oil Purposes. When opening this bag or loading/pouring the treated seed, wear a long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves. After the seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the treated seeds in the soil or planting media." - Do not use in forest planting or established woodlands.		

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

[Non-Refillable Plastic Containers ≤5 gal.:] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. 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. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

[Non-Refillable Plastic Containers >5 gal.:] Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: 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 a 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 for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

[Nonrefillable Plastic Containers [(e.g., Intermediate Bulk Containers [IBC]) (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down)]:] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into formulation equipment and before final disposal using the following pressure rinsing procedure: Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure spray duration and/or spray volume. If the manufacturer's instructions are not available pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain pour or pump rinsate into formulation equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

[Refillable container.] Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Return to point of sale. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved state and local authorities.]

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of CAC Chemical Americas LLC ("CAC"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. CAC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for

Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to CAC, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CAC DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CAC, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF CAC IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF CAC, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT CAC'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

[EPA APPROVAL DATE]

{Sublabel B: Turf Use}

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
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CAC Prothioconazole 480SC
{ABN:} [CAC Prothioconazole 480SC Turf]

ACTIVE INGREDIENT:	% BY WT.
Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione*	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL:	100.0%

*CAS No. 178928-70-6

Contains 4.0 pounds prothioconazole per U.S. gallon

[Shake well before use]

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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.	

[See] [inside] [label] [booklet] [side] [panel] [for] [First Aid][,] [additional] [Precautionary Statements][,] [and] [Directions for Use] [including Storage and Disposal] [instructions][.]

FOR 24-HOUR EMERGENCY ASSISTANCE: Spill, leak, fire, exposure, or accident Call CHEMTREC day or night at 1-800-424-9300 or 1-703-527-3887 if calling from outside of the U.S.

Manufactured for:

CAC Chemical Americas LLC
1178 Broadway
3rd Floor #3766
New York, NY 10001

EPA Reg. No. 92044-11
EPA Est. No.
Net Contents Gal (L)
[Lot][Batch][No.][see container]

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes and socks

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to estuarine/marine invertebrates, and freshwater/estuaries/marine aquatic plants. Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas.

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 washwater or rinsate.

Ground Water Advisory

Degradates of prothioconazole are known to leach through soil into groundwater under certain conditions as a result of label use. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of prothioconazole and degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

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 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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. [Golf courses are not within the scope of the Worker Protection Standard.]

Do not enter or allow others to enter treated areas until sprays have dried.

PRODUCT INFORMATION

CAC Prothioconazole 480SC is a suspension concentrate (SC). The active ingredient in CAC Prothioconazole 480SC, prothioconazole, belongs to the demethylation inhibitor (DMI) class of fungicides. The mode of action of this DMI belongs to the group of triazolinthiones, classified as a FRAC Group 3 fungicide. To maximize disease control, apply CAC Prothioconazole 480SC in a regularly scheduled spray program and use in a rotation with other fungicides.

- CAC Prothioconazole 480SC is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes, and Deuteromycetes diseases in golf course turfgrass.
- CAC Prothioconazole 480SC is intended for use by professional applicators.

TURFGRASS TOLERANCE

Due to the variability within turfgrass species and cultivars, along with possible tank-mix combinations, including additives and other pesticides, neither the seller nor the manufacturer has determined whether or not all turfgrasses or combinations are tolerant to CAC Prothioconazole 480SC under all conditions.

Before applying any mixture not specifically recommended on this label, it is advised to confirm biological compatibility testing with the combination. To confirm biological compatibility, mix the products in accordance to labeled rates and spray a small area of target turf under similar conditions to target area and monitor for any phytotoxic response or other adverse effect before applying CAC Prothioconazole 480SC to targeted area.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, CAC Prothioconazole 480SC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to CAC Prothioconazole 480SC and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same turf areas. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of CAC Prothioconazole 480SC or other Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and turf renovation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist [or certified crop advisor] for any additional pesticide resistance-management and/or IPM recommendations for specific [crops and] pathogens.

Report any incidence of non-performance of this product to your CAC Chemical Americas LLC retailer, representative or call CAC Chemical Americas LLC. You can also contact your pesticide distributor or university extension specialist to report resistance.

APPLICATION DIRECTIONS

Apply CAC Prothioconazole 480SC through ground application equipment with boom below and behind the operator to target soil or foliar turfgrass diseases. See 'Turf Use Directions' for application rates and use information. Turfgrass injury and/or inferior disease control may result upon failure to follow label directions.

Ground Application Equipment and Nozzles

Before use, ensure equipment is properly calibrated. Use nozzles that are accurate, and provide uniform coverage to the turfgrass foliage and/or the soil surface. Use the same size nozzles, uniformly distributed across the boom, and operate nozzles within the spray pressure directions suggested by the nozzle manufacturer.

Spray Equipment Preparation and Mixing Instructions

Prepare no more spray mixture than is necessary for the immediate application. Start with clean spray equipment before using this product. While preparing the mixture, and throughout the entire spray operation, maintain agitation. Do not let the spray mixture stand overnight in the spray tank. Following use, flush the spray equipment thoroughly. Rinsate may be applied to the previously treated areas, or disposed of according to local regulations.

Mixing Instructions for CAC Prothioconazole 480SC alone

- Add ½ of the required amount of water to the mix tank.
- With the agitator running, add CAC Prothioconazole 480SC to the mix tank.
- Continue agitation while adding the remainder of the water.
- Begin application after the product has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Application Volume

Apply CAC Prothioconazole 480SC in a minimum of [10] [20] [30] [40] gallons of spray solution per acre. Complete coverage and uniform applications are essential for most effective results, especially when lower spray volumes are applied. If necessary, increase spray volume for uniform and complete coverage.

Tank Mixture Precautions

If using CAC Prothioconazole 480SC in a tank mixture, observe all directions for use, sites, rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. This product must not be mixed with any product that prohibits such mixing. Tank mixtures or other applications of products are permitted only in those states in which the products are registered.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank Mixture Compatibility Test

When mixing CAC Prothioconazole 480SC with new or unknown tank mix partners including pesticides, fertilizers, spray adjuvants and micronutrients, perform a compatibility test to determine potential for incompatibility during mixing. The compatibility test is as follows.

- Use a clear jar with a secure water tight lid.
- Add a small amount of source water (e.g. 1 quart), followed by each mixture partner at planned labelled use rates, using mixing order as described below.
- With all mixture partners added, securely cap jar and invert 10 to 15 times to mix each component. Let stand for 15-20 minutes.
- Observe solution for any signs of incompatibility or instability. Mixed solution should be free from formed precipitates, gels, heavy free oil films, or separations of mixture components, including distinct layering.
- If incompatibility is noted, repeat steps above by removing individual components to determine a compatible mixture, if desired. Additionally, if mixture is readily re-mixable, then mixture can be used so long as agitation is maintained.
- If incompatibility is not resolved, do not use this tank mix combination.

Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. For further information, contact your local CAC Chemical Americas LLC representative.

Mixing Order of CAC Prothioconazole 480SC + Tank Mixture Partners

- Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any of the tank mixture partners.
- All products in water-soluble packaging should be added to the tank before any other tank-mix partner, including CAC Prothioconazole 480SC.

- Allow water-soluble packaging to completely disperse before adding any other tank mixture partners to the tank. In general, tank mixture partners should be added in this order:
 - 1) Products packaged in water-soluble packaging
 - 2) Wettable powders
 - 3) Wettable granules (dry flowables)
 - 4) Liquid flowables
 - 5) Liquids
 - 6) Emulsifiable concentrates.
- Always allow each tank mixture partner to become fully and uniformly dispersed before adding the next product.
- Continue agitation while adding the remainder of the water.
- Begin application of the solution after all products have completely, and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

USE RESTRICTIONS

- For use only on golf course turfgrass (greens, tees, fairways and roughs).
- Not for residential use. Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park, athletic fields, schools, campgrounds, churches, and theme parks.
- Do not use clippings for animal feed.
- Do not apply by aerial application.
- Do not apply through any type of irrigation equipment (chemigation).
- For ground application equipment only. Do not use with handheld application equipment, including mechanically pressurized spray gun, backpack or tank pressurized spray gun, spray hawk or handheld boom applicators.
- [Not Registered for Use by New York for sale, distribution, or use in Nassau and Suffolk counties, except as permitted under FIFRA 24(c), Special Local Need registration.]

USE PRECAUTIONS

- After application, allow foliage to dry prior to mowing.
- Use of skirted spray booms will further reduce spray drift.

SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or plant canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the target plants and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Handheld Technology Applications:

- Take precautions to minimize spray drift.

TURF USE DIRECTIONS

CAC Prothioconazole 480SC controls a range of turf diseases. Refer to the table below for disease, rate structure, and specific use information. Apply CAC Prothioconazole 480SC prior to turf disease development or in the early stages of turf disease development. See 'Application Directions' for further information on equipment, nozzles, spray volumes and mixing instructions.

Disease	Application Rate (fl oz Product /Acre) ¹	Interval between Applications (days) ²	Use Information
Anthrachnose (<i>Colletotrichum graminicola</i>) [*]	5.7 to 8.5	14 - 21	
Brown Patch [Rhizoctonia Blight] (<i>Rhizoctonia solani</i>) [*]	4.3 to 8.5	14 - 21	[Late curative applications may be less effective.] [For best results, apply preventatively before conditions favorable for infection occur.]
Brown Ring (Waitea) Patch (<i>Waitea circinata</i> var. <i>circinata</i>) [*]	4.3 to 8.5	14 - 21	[Late curative applications may be less effective.] [For best results, apply preventatively before conditions favorable for infection occur.]
Dollar Spot (<i>Sclerotinia homoeocarpa</i> syn. <i>Clarireedia homoeocarpa</i>) [*]	4.3 to 8.5	14 - 21	

Disease	Application Rate (fl oz Product /Acre) ¹	Interval between Applications (days) ²	Use Information
Fairy Ring (caused by Basidiomycete fungi) [*]	5.7 to 8.5	14 - 28	[For preventative treatments, apply lower rate range in the spring prior to appearance of fairy ring symptoms. For curative treatments, use the high rate.] Before the spray dries, adequately water-in to move the fungicide into the thatch/soil where the fungus is active.
Gray Leaf Spot (<i>Pyricularia grisea</i>) [*]	4.3 to 8.5	14 - 21	
Gray Snow Mold [Typhula Blight] [(<i>Typhula incarnata</i>)] [(<i>Typhula incarnata</i> , <i>T. ishikariensis</i>)] [*] Pink Snow Mold (<i>Microdochium nivale</i>) [*]	4.3 to 8.5	14 - 28	Make 1-2 preventative applications before conditions favorable for infection occur. Do not apply over snow cover.
Large Patch [Zoysia Patch] (<i>Rhizoctonia solani</i>) [*]	4.3 to 8.5	14 - 28	Lightly water-in applications to move fungicide into crown area and root zone.
Microdochium Patch (<i>Microdochium nivale</i>) [*]	5.7 to 8.5	14-21	Begin preventative applications when conditions are conducive to disease development and without lasting snowfall.
Mini Ring (<i>Rhizoctonia zeae</i>) [*]	5.7 to 8.5	14 - 21	Apply preventatively before conditions favorable for infection occur.
Spring Dead Spot (<i>Ophiosphaerella korrae</i> , <i>O. herpotricha</i> , <i>Leptosphaeria korrea</i> , <i>L. namari</i>) [*]	4.3 to 8.5	14 - 28	Lightly water-in applications to move fungicide into crown area and root zone.
Summer Patch (<i>Magnaporthe poae</i>) [*]	4.3 to 8.5	14 - 28	Use adequate spray-volume or water-in applications to crowns and upper roots for maximum effectiveness. If there is prior disease history, use the higher rate and shorter interval.

Disease	Application Rate (fl oz Product /Acre) ¹	Interval between Applications (days) ²	Use Information
Take-all Patch (<i>Gaeumannomyces araminis</i> var. <i>avenae</i>) [*]	4.3 to 8.5	14 - 28	Treat preventatively for the disease. Water- in applications into the upper root zone.
Take-all Root Rot [Bermudagrass Decline, Warm Season Turfgrass Decline] (<i>Gaeumannomyces waminis</i> var. <i>graminis</i>) [*]	4.3 to 8.5	14 - 28	Apply fungicide in adequate water volume or water-in applications to upper root zone. [Apply fungicide prior to periods of stress, including hot, humid conditions or extended wet weather.]
¹ See Rate Conversion Chart for more information. ² Use the shorter specified application interval and/or the higher specified rate when prolonged favorable turf disease conditions exist. [*Not Registered for Use by California] RESTRICTIONS: - Do not apply more than 8.5 fl oz product/A per application (0.196 fl oz product/1,000 ft²), equivalent to 0.267 lbs a.i./A. - Do not apply more than 25.6 fl oz product/A per year (0.588 fl oz product/1,000 ft²/year), equivalent to 0.801 lbs a.i./A/year. - Do not apply more than three [(3)] applications per year using the maximum single application rate. - Minimum retreatment interval: 14 days.			

{Note to reviewer: the following rate conversion table will only include the rates applicable to rates used on final
printed label}

RATE CONVERSION CHART

Fl. Oz./A	Fl. oz. product/1,000 ft ²	Lbs. a.i./A
4.3	0.098	0.134
5.7	0.131	0.178
8.5	0.196	0.267

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

[Non-Refillable Plastic Containers ≤5 gal.:] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. 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. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

[Non-Refillable Plastic Containers >5 gal.:] Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: 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 a 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 for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

[Nonrefillable Plastic Containers [(e.g., Intermediate Bulk Containers [IBC]) (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down)]:] Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into formulation equipment and before final disposal using the following pressure rinsing procedure: Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure spray duration and/or spray volume. If the manufacturer's instructions are not available pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain pour or pump rinsate into formulation equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

[Refillable container.] Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Return to point of sale. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved state and local authorities.]

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of CAC Chemical Americas LLC ("CAC"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. CAC warrants that this product

conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to CAC, and is subject to the inherent risks described above.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF CAC, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT CAC'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

[EPA APPROVAL DATE]

{Marketing Claims:}

[For disease control in turfgrass on golf courses only.]

[For prevention and control of dollar spot, brown patch and other key foliar and root diseases in golf course turfgrass only.]

[For disease control in turfgrass on golf courses.]

[For prevention and control of dollar spot, brown patch and other key foliar and root diseases in golf course turfgrass.]

[For prevention and control of dollar spot, brown patch, gray leaf spot, and other key foliar and root diseases in golf course turfgrass.]

[Picture of Dollar spot]

[Picture of Snow mold]

[Picture of Brown patch]

[Picture of Fairy Ring]

[Picture of Anthracnose]