

PROTHIOCONAZOLE GROUP 3 FUNGICIDE

AURELIA 480 SC

ACTIVE INGREDIENT:

Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione 41.00%

OTHER INGREDIENTS: 59.00%

TOTAL 100.00%

Contains 4 pounds Prothioconazole per gallon.

EPA Reg. No. 101986-4

EPA Est. No. 70815-GA-001
70815-GA-003

**For control of specified
diseases on listed crops**

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

See back panel for First Aid and inside label booklet for
additional Precautionary Statements, and Directions for
Use including Storage and Disposal instructions

For **MEDICAL** Emergencies **ONLY**
Call 24 Hours A Day 1-800-222-1222

NET CONTENTS:

2.5 GALLONS

Produced For:
Life Scientific, Inc.
300 Creek View Road, Suite 209
Newark, DE 19711

lifescientific 

17062923401_V2

AURELIA 480 SC

ACTIVE INGREDIENT:

Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione. 41.00%

OTHER INGREDIENTS: 59.00%

TOTAL: 100.00%

Contains 4 pounds Prothioconazole per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Please refer to inside label booklet for additional Precautionary Statements and Directions for Use.

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.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-222-1222.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or inhaled. Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist. 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 plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, 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. 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.

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 degrades 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. Degrades 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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 Containers ≤ 5 gallons: 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. 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 other procedures approved by state and local authorities.

EPA REG NO. 101986-4

EPA EST NO. 70815-GA-001

70815-GA-003

GTIN 05391534942511

Net Contents:

2.5 GALLONS

5 391534 942511

Produced For: Life Scientific, Inc.

300 Creek View Road, Suite 209, Newark, DE 19711

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or inhaled. Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist. 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 plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, 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, 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. 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. 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.

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.

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

AURELIA 480 SC 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.

RESTRICTIONS

Do not apply prothioconazole with mechanically pressurized handgun equipment to orchards or vineyards (bushberry subgroup 13-07B, low growing berry except strawberry subgroup 13-07H), field crops (cucurbit vegetables crop group 9, 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, AURELIA 480 SC contains a Group 3 fungicide. Any fungal/bacterial population may contain individuals naturally resistant to AURELIA 480 SC and other Group 3 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take the following steps:

- Rotate the use of AURELIA 480 SC or other Group 3 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides 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/bactericide 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/bactericide 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.
- For further information or to report suspected resistance contact Life Scientific Ltd. You can also contact your pesticide distributor or university extension specialist to report resistance.

Spray Equipment/Volumes

AURELIA 480 SC 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.

AURELIA 480 SC Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the AURELIA 480 SC 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.

AURELIA 480 SC + 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, add tank-mix partners 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 AURELIA 480 SC in tank mixtures, add all products in water-soluble packaging to the tank before any other tank-mix partner, including AURELIA 480 SC. Allow the water-soluble packaging to completely disperse before adding any other tank-mix partner to the tank.

If using AURELIA 480 SC 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.

AURELIA 480 SC is compatible with most insecticide, fungicide, herbicide, and foliar nutrient products. However, test the physical compatibility of AURELIA 480 SC with tank-mix partners before use. To determine the physical compatibility of AURELIA 480 SC 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 Life Scientific Ltd. 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 recommended on this label, confirm the safety to the target crop. To test for crop safety, apply AURELIA 480 SC to the target crop in a small area and in accordance with label instructions for the target crop.

Soilborne/Seedling Disease Control

AURELIA 480 SC 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 recommendations for in-furrow and/or banded applications and for the optimal timings, rates and band widths of these applications.

In-Furrow Application

- Apply AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC through irrigation equipment only to crops for which chemigation is specified on this label.

AURELIA 480 SC 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, 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 should 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 AURELIA 480 SC 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 recommended by the equipment manufacturer. When applying AURELIA 480 SC 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 AURELIA 480 SC required to treat the area covered by the irrigation system. Add the required amount of AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC solution has cleared the sprinkler head.

Solid Set and Moving Wheel Irrigation Equipment

When applying AURELIA 480 SC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Determine the amount of AURELIA 480 SC required to treat the area covered by the irrigation system. Add the required amount of AURELIA 480 SC 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 AURELIA 480 SC 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 should 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: AURELIA 480 SC is recommended to be used with a registered non-ionic surfactant at the lowest recommended labeled rate for most crops. Refer to the individual crop recommendations for those specific uses where a surfactant is not recommended.

Recommendations 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.

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 increase 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.

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

AURELIA 480 SC 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 AURELIA 480 SC
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)
	AURELIA 480 SC 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 AURELIA 480 SC 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 recommended to 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 AURELIA 480 SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Observe barley fields closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	
For optimum disease control, tank mix the lowest labeled rate of a spray surfactant with AURELIA 480 SC. Repeat applications using a 14-day spray interval if conditions remain favorable for continued or increasing disease development.		
RESTRICTIONS: • Do not apply more than two (2) applications of AURELIA 480 SC per year. • Do not apply more than 9.37 fl oz/A (0.293 lbs ai/A) of AURELIA 480 SC per year. • Do not apply within 32 days of harvest.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF AURELIA 480 SC
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)
AURELIA 480 SC may be applied by either ground or chemigation application equipment. Apply AURELIA 480 SC 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 AURELIA 480 SC per year. - Do not apply more than 11.4 fl oz/A (0.356 lbs ai/A) of AURELIA 480 SC per year. - Do not apply within 7 days of harvest.		
¹ Not Registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF AURELIA 480 SC
Low Growing Berry Subgroup (Subgroup 13-07H), except strawberry¹: Bearberry; bilberry; cloudberry; cranberry; muntries; partridgeberry; and cultivars, varieties, and/or hybrids of these	Fruit Rot (<i>Coleophoma empetri</i> ; <i>Glomerella cingulate</i> ; <i>Phyllosticta vaccinii</i> ; <i>Physalospora vaccinii</i> ; <i>Allantophomopsis lycopodina</i> ; <i>Allantophomopsis cytisporae</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)
AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC per year. - Do not apply more than 10.0 fl oz/A (0.313 lbs ai/A) of AURELIA 480 SC per year. - Do not apply within 45 days of harvest.		
¹ Not Registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF AURELIA 480 SC
Cereal Grain (Crop Group 15), except sorghum and rice: 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 AURELIA 480 SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Applications may be made by ground or aerial spray equipment. Observe fields closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.		
RESTRICTIONS: - Do not apply more than one (1) application of AURELIA 480 SC per year. - Do not apply more than 5.7 fl oz/A (0.178 lbs ai/A) of AURELIA 480 SC per year. - Do not apply within 30 days of harvest.		

APPLICATION DIRECTIONS			
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC	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 ¹ <i>(Setosphaeria turcica)</i> Northern Corn Leaf Spot ¹ <i>(Cochliobolus carbonum)</i> Rust <i>(Puccinia spp.)</i> Southern Corn Leaf Blight ¹ <i>(Cochliobolus heterostrophus)</i>	5.7 fl oz/A (0.178 lbs ai/A)	Apply AURELIA 480 SC 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: Ear Rots Fusarium ² <i>(Fusarium spp.)</i> Gibberella ² <i>(Gibberella spp.)</i> Aspergillus ² <i>(Aspergillus spp.)</i>	5.7 fl oz/A (0.178 lbs ai/A)	For optimum suppression of <i>Fusarium</i> , <i>Gibberella</i> and <i>Aspergillus</i> ear rots, apply AURELIA 480 SC from the R1 (initial silk emergence) to the R2 (brown silk) corn growth stages. AURELIA 480 SC 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.

AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. For aerial applications, apply AURELIA 480 SC 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.

RESTRICTIONS:

- Do not apply more than four (4) applications of AURELIA 480 SC 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 AURELIA 480 SC per year.
- Do not apply within 14 days of harvest for grain and fodder. Forage may be harvested the same day of application.

¹The above diseases are also known as Helminthosporium leaf blights

²Not registered for use in California.

APPLICATION DIRECTIONS		
CROP	DISEASES SUPPRESSED	RATE OF AURELIA 480 SC
Cotton	In-Furrow and Banded Damping off (<i>Rhizoctonia solani</i>) Fusarium Wilt ¹ (<i>Fusarium spp.</i>)	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 spp.</i>)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lbs ai/A)
	For Foliar Applications: AURELIA 480 SC may be applied by ground, aerial, or chemigation application equipment.	
	For In-Furrow Applications: Apply 5.7 to 7.1 fl oz/A (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: AURELIA 480 SC 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 AURELIA 480 SC per year, including in- furrow, banded and foliar applications. • When used at rates above 5.7 fl oz/A, do not apply more than two (2) applications of AURELIA 480 SC 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 AURELIA 480 SC per year, including all soil and foliar applications. • Do not apply within 30 days of harvest.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Chickpea	Ascochyta Blight (<i>Ascochyta</i> spp.)	5.0 - 5.7 fl oz/A (0.156 - 0.178 lb ai/A)
	AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. Apply AURELIA 480 SC 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, tank-mix the lowest labeled rate of a spray surfactant with AURELIA 480 SC.		
RESTRICTIONS:		
• Do not apply more than three (3) applications of AURELIA 480 SC per year. • Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of AURELIA 480 SC per year, including all soil and foliar applications. • Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest.		

APPLICATION DIRECTIONS		
CROP	DISEASES CONTROLLED	RATE OF AURELIA 480 SC
Cucurbit Vegetables (Crop Group 9): Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; edible gourd (incl. hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp. (incl. balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (incl. 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, incl. 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 rolfsii</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)
	AURELIA 480 SC 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 of AURELIA 480 SC per year. • Do not apply more than two (2) foliar applications of AURELIA 480 SC per year. • Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of AURELIA 480 SC per year, including all soil and foliar applications. • Do not apply within 7 days of harvest.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Dried Shelled Peas and Beans Subgroup (Subgroup 6C), 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 Ascochyta Blight (<i>Ascochyta pinodes</i>) Rust (<i>Uromyces appendiculatus</i>) White Mold (<i>Sclerotinia sclerotiorum</i>)	5.7 fl oz/A (0.178 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)
AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. For ground applications, apply in a minimum of 20 gpa.		
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.		
For rust control, apply AURELIA 480 SC at the first sign of disease. For white mold control, apply AURELIA 480 SC at 25% flower.		
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, tank-mix the lowest labeled rate of a spray surfactant with AURELIA 480 SC.		
RESTRICTIONS: - Do not apply more than three (3) applications of AURELIA 480 SC per year. - Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of AURELIA 480 SC per year, including all soil and foliar applications. - Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Lentils	Ascochyta Blight (<i>Ascochyta</i> spp.)	4.3 - 5.7 fl oz/A (0.134 - 0.178 lbs ai/A)
	AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. Apply AURELIA 480 SC 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, tank-mix the lowest labeled rate of a spray surfactant with AURELIA 480 SC.		
RESTRICTIONS: • Do not apply more than three (3) applications of AURELIA 480 SC per year. • Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of AURELIA 480 SC per year. • Allow a minimum of 7 days from the last application until cutting or swathing the crop for harvest.		

APPLICATION DIRECTIONS		
CROP	DISEASE SUPPRESSED	RATE OF AURELIA 480 SC
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; White Mold; Southern Blight; Southern Stem rot (<i>Sclerotium rolfsii</i>) 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)
	AURELIA 480 SC 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. AURELIA 480 SC may also be applied in a 4- to 6- inch band over the row at or near emergence. Life Scientific Ltd. recommends 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 AURELIA 480 SC must be made at 14-day intervals. In a typical 7 spray application program beginning 30-40 days after planting or as recommended by the local Extension Service, apply AURELIA 480 SC for sprays 3, 4, 5 and 6. Make applications of fungicides with a different mode of action prior to and following applications of AURELIA 480 SC to discourage development of resistant strains of fungi. Use AURELIA 480 SC in conjunction with cultural practices that are known to reduce the severity of soil-borne diseases, including proper crop rotation practices. For control of soil-borne diseases when using a Leaf Spot Advisory Program schedule, apply AURELIA 480 SC in the first advisory spray in July and continue AURELIA 480 SC applications at 14-day intervals. AURELIA 480 SC 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 AURELIA 480 SC 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. AURELIA 480 SC may be applied up to 14 days before harvest.		
RESTRICTIONS: • Do not apply more than four (4) applications of AURELIA 480 SC 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 AURELIA 480 SC per year, including all soil and foliar applications. • Do not feed hay or threshings or allow livestock to graze in treated areas.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Rapeseed Subgroup (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, milkweed, 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)
	AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. Apply AURELIA 480 SC 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 AURELIA 480 SC.	
A second application may be made after 14 days if conditions remain favorable for continued or increasing disease development. AURELIA 480 SC may be applied until the 50% bloom stage.		
RESTRICTIONS: • Do not apply more than two (2) applications of AURELIA 480 SC per year. • Do not apply more than 11.4 fl oz/A (0.356 lbs ai/A) of AURELIA 480 SC per year. • Do not apply within 36 days of harvest.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS			
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC	
Rice ¹	Sheath/Stem Diseases Sheath Blight (<i>Rhizoctonia solani</i>)	4.5 fl oz/A (0.141 lbs ai/A)	
	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>)		
	Apply AURELIA 480 SC 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 Life Scientific Ltd. 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 AURELIA 480 SC per year. • Do not apply more than 4.5 fl oz/A (0.141 lbs ai/A) of AURELIA 480 SC per year. • Do not apply AURELIA 480 SC later than 70% panicle emergence from the boot. • Do not apply within 40 days of harvest.			
¹ Not registered for use in California.			

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Soybean	Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Frog Eye Leaf Spot (<i>Cercospora sojae</i>) Powdery Mildew (<i>Microsphephaera 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 sojae</i>) Pod and Stem Blight ¹ (<i>Diaporthe phaseolorum</i>) Powdery Mildew ¹ (<i>Microsphephaera 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)
	AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. For aerial application, apply in a minimum spray volume of 2 gpa. Apply AURELIA 480 SC 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 recommended 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 AURELIA 480 SC as a broadcast foliar spray at R1 (beginning bloom) when conditions are favorable for disease development. A sequential treatment of AURELIA 480 SC may be made at R3-R4 (beginning to full pod). AURELIA 480 SC 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 of AURELIA 480 SC per year, including all soil and foliar applications. • Do not apply more than 12.9 fl oz/A (0.403 lbs ai/A) of AURELIA 480 SC per year, including all soil and foliar applications. • Do not apply within 21 days of harvest.		
¹ Not registered for use in California.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
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 Rhizoctonia Stem Canker, Root Rot, Crown Rot (<i>Rhizoctonia solani</i>)	5.7 fl oz/A (0.178 lbs ai/A)
	AURELIA 480 SC may be applied by either ground, aerial or chemigation application equipment. Foliar disease control: Apply AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC.		
RESTRICTIONS: • Do not apply more than three (3) applications of AURELIA 480 SC per year, including all soil and foliar applications. • Do not apply more than 17.1 fl oz/A (0.534 lbs ai/A) of AURELIA 480 SC per year, including all soil and foliar applications. • Allow a minimum of 7 days from the last application before harvesting. • AURELIA 480 SC is a Group 3 fungicide. To limit the potential for development of disease resistance: ◊ Alternate every application of AURELIA 480 SC with a non-Group 3 fungicide.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
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)
	AURELIA 480 SC 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 AURELIA 480 SC 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 AURELIA 480 SC as a preventive foliar spray when the earliest disease symptoms appear on the leaves or stems. Observe wheat fields 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, tank-mix the lowest labeled rate of a spray surfactant with AURELIA 480 SC.		
RESTRICTIONS: • Do not apply more than two (2) applications of AURELIA 480 SC per year. • Do not apply more than 9.37 fl oz/A (0.293 lbs ai/A) of AURELIA 480 SC per year. • Do not apply within 30 days of harvest.		

APPLICATION DIRECTIONS		
CROP	DISEASE CONTROLLED	RATE OF AURELIA 480 SC
Nursery Seedlings 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)
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. Life Scientific Ltd. recommends 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 AURELIA 480 SC 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 recommended 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 AURELIA 480 SC.		
RESTRICTIONS:		
- Do not use in forest planting or established woodlands. - Do not apply more than five (5) applications of AURELIA 480 SC per year. - For foliar tree seedling control, do not apply more than 25 fl oz/A (0.781 lbs ai/A) of AURELIA 480 SC per year.		

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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 Containers ≤ 5 gallons: 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. 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 other procedures approved by state and local authorities.

Non-Refillable Containers > 5 gallons: Nonrefillable container. Do not reuse or refill this container. Clean container 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 other procedures approved by state and local authorities.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Life Scientific Ltd. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LIFE SCIENTIFIC LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Life Scientific Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LIFE SCIENTIFIC LTD. DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT LIFE SCIENTIFIC LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

AURELIA 480 SC

ACTIVE INGREDIENT:

Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione. 41.00%

OTHER INGREDIENTS: 59.00%

TOTAL: 100.00%

Contains 4 pounds Prothioconazole per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Please refer to inside label booklet for additional Precautionary Statements and Directions for Use.

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.
For MEDICAL Emergencies Call 24 Hours A Day 1-800-222-1222. Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu .	
NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.	

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or inhaled. Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist. 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 plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, 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. 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.

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 degrades 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. Degrades 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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 Containers ≤ 5 gallons: 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. 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 other procedures approved by state and local authorities.

EPA REG NO. 101986-4

EPA EST NO. 70815-GA-001

70815-GA-003

GTIN 05391534942511

Net Contents:

2.5 GALLONS

5



Produced For: Life Scientific, Inc.

300 Creek View Road, Suite 209, Newark, DE 19711

170622923402_V3