



DENSICOR®

Fungicide

Intended for use by professional applicators.

ACTIVE INGREDIENT:

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%

Shake well before use

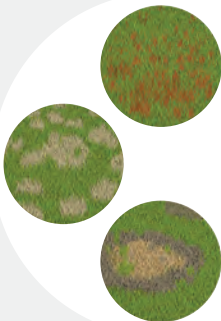
Contains 4.0 pounds Prothioconazole per U.S. gallon

*CAS No. 178928-70-6

EPA Reg. No. 101563-210

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.



Anthracnose • Brown Patch • Dollar Spot

**For MEDICAL And TRANSPORTATION Emergencies
ONLY Call 24 Hours A Day 1-800-424-9300
For PRODUCT USE Information, Call 1-800-331-2867**

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor 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:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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.

In case of emergency call toll free the Environmental Science U.S., LLC Emergency Response Telephone No. 1-800-424-9300. Have a product container or label with you when calling a poison control center, doctor, or going for treatment.

Note to Physician: No specific antidote. Treat symptomatically.

PRECAUTIONARY STATEMENTS

HAZARDS 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 polyvinyl chloride (PVC) \geq 14 mils, nitrile rubber \geq 14 mils, or butyl rubber \geq 14 mils
- Shoes and socks

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

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/estuarine/marine aquatic plants. Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas.

For terrestrial uses: 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

Prothioconazole-desthio (a degradate of prothioconazole) is known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Surface Water Advisory

This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted 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.

Read the entire label before using this product.

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

PRODUCT INFORMATION

DENSICOR is a suspension concentrate (SC). The active ingredient in DENSICOR, 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 DENSICOR in a regularly scheduled spray program and use in a rotation with other fungicides.

- DENSICOR is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes, and Deuteromycetes diseases in golf course turfgrass.
- DENSICOR 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 DENSICOR 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 DENSICOR to targeted area.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, DENSICOR contains prothioconazole, a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to DENSICOR 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 DENSICOR 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 pathogens 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 for any additional pesticide resistance-management and/or IPM recommendations for specific pathogens.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC at 1-800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

APPLICATION DIRECTIONS

Apply DENSICOR 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 DENSICOR alone

- Add ½ of the required amount of water to the mix tank.
- With the agitator running, add DENSICOR 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 DENSICOR in a minimum of 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 DENSICOR 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 DENSICOR 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 recommended 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 Environmental Science U.S., LLC representative.

Mixing Order of DENSICOR + 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 DENSICOR.
- 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 parks, 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.

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

- 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

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

RELEASE HEIGHT

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. Avoid applications during temperature inversions.

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.

TURF USE DIRECTIONS

DENSICOR controls a range of turf diseases. Refer to the table below for disease, rate structure, and specific use information. Apply DENSICOR 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
Anthracnose (<i>Colletotrichum graminicola</i>)	8.5	14 - 21	
Brown Patch (<i>Rhizoctonia solani</i>)	8.5	14 - 21	For best results, apply preventatively before conditions favorable for infection occur.
Brown Ring (Waitea) Patch (<i>Waitea circinata</i> var. <i>circinata</i>)	8.5	14 - 21	For best results, apply preventatively before conditions favorable for infection occur.
Dollar Spot (<i>Sclerotinia homoeocarpa</i> syn. <i>Clari Reedia homoeocarpa</i>)	8.5	14 - 21	
Fairy Ring (caused by Basidiomycete fungi)	8.5	14 - 28	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>)	8.5	14 - 21	
Large Patch (<i>Rhizoctonia solani</i>)	8.5	14 - 28	Lightly water-in applications to move fungicide into crown area and root zone.
Microdochium Patch (<i>Microdochium nivale</i>)	8.5	14 - 21	Begin preventative applications when conditions are conducive to disease development.
Mini Ring (<i>Rhizoctonia zeae</i>)*	8.5	14 - 21	Apply preventatively before conditions favorable for infection occur.

(continued)

(continued)

Disease	Application Rate (fl oz Product /Acre) ¹	Interval between Applications (days) ²	Use Information
Snow Mold (<i>Microdochium nivale</i> , <i>Typhula incarnata</i> , <i>T. ishikariensis</i>)	8.5	14 - 28	Make 1-2 preventative applications before conditions favorable for infection occur. Do not apply over snow cover.
Spring Dead Spot (<i>Ophiosphaerella korrae</i> , <i>O. herpotricha</i> , <i>Leptosphaeria korrae</i> , <i>L. narmari</i>)	8.5	14 - 28	Lightly water-in applications to move fungicide into crown area and root zone.
Summer Patch (<i>Magnaporthe poae</i>)	8.5	14 - 28	Use adequate spray-volume or water-in applications to crowns and upper roots for maximum effectiveness.
Take-all Root Rot (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>)	8.5	14 - 28	Apply fungicide in adequate water volume or water-in applications to upper root zone.

¹8.5 fl oz product/A equates to 0.196 fl oz product/1,000 ft² or 0.267 lbs a.i./A.

²Use the shorter specified application interval when prolonged favorable turf disease conditions exist.

*Not for Use in California

RATE RESTRICTIONS

- 1) **Maximum Single Rate:** Do not exceed 8.5 fl oz product/A per application (0.196 fl oz product/1,000 ft²), equivalent to 0.267 lbs a.i./A.
- 2) **Yearly Maximum Rate:** Do not exceed 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.
- 3) Do not exceed 3 applications per year using the maximum single application rate.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and 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

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. - Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Top Discharge IBC, Drums, Kegs (e.g. - Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons PLASTIC CONTAINERS:

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Fill the container $\frac{1}{4}$ 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 puncture and dispose of in a sanitary landfill, or by incineration.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

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. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Environmental Science U.S., LLC. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

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envu™