



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

7969-480

Date of Issuance:

9/27/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Pillar SC Fungicide

Name and Address of Registrant (include ZIP Code):

BASF Corporation, Agricultural Products  
P.O. Box 13528  
Research Triangle Park, NC 27709

Mailed to:

Rebecca Willis  
Product Registration Manager

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Nathan Mellor, Product Manager 21  
Fungicide Branch, Registration Division (7505P)

Date:

9/27/21

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 7969-480.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/16/2020

If you have any questions, please contact Senedu Alemu or via email at [alemu.senedu@epa.gov](mailto:alemu.senedu@epa.gov)

Enclosure

TRITICONAZOLE	GROUP	3	FUNGICIDE
PYRACLOSTROBIN	GROUP	11	FUNGICIDE

# Pillar<sup>®</sup> SC

## Intrinsic<sup>®</sup> Brand Fungicide

For disease control and plant health in turfgrass

**Active Ingredients\*:**

triticonazole: (1RS)-(E)-5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol . . . . . 17.95%  
pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester) . . . . . 15.80%

**Other Ingredients:** . . . . . 66.25%

**Total:** . . . . . 100.00%

\* Pillar<sup>®</sup> SC Intrinsic<sup>®</sup> brand fungicide contains 1.67 lbs triticonazole and 1.47 lbs pyraclostrobin per gallon.

EPA Reg. No. 7969-XXX

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

See full label for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

**In case of emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**

**Net Contents:**

ACCEPTED

09/27/2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7969-480

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**WARNING.** May be fatal if swallowed. Harmful if inhaled. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing (dust, vapor or spray mist). Remove and wash contaminated clothing before reuse. **Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.**

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils)
- Shoes plus socks

### User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls

When handlers use closed systems, 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:

- 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 pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

This product may impact surface water quality because of runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

### Groundwater Advisory

Pyraclostrobin is known to leach through soil into groundwater under certain conditions as a result of label use. Both triticonazole and pyraclostrobin may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

## Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. 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 including ponds, streams, and springs will reduce the potential loading of triticonazole, pyraclostrobin, and their 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.

Sound erosion control practices will reduce this product's contribution to surface water contamination.

## Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the user's possession during application.

Read the entire label. Use strictly in accordance with precautionary statements and directions and with applicable state and federal regulations.

**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), restricted entry interval, and notification to workers. 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, including plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves (barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or viton  $\geq$  14 mils)
- Shoes plus socks

## 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 for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

**DO NOT enter or allow others to enter treated areas until sprays have dried.**

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

### Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

### Pesticide Disposal

Wastes resulting from using this product may be disposed of on site or at an approved waste disposal facility.

### Container Handling

**Nonrefillable Container. DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity  $\leq$  5 gallons) 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 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.

**Triple rinse containers too large to shake (capacity  $>$  5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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.

*(continued)*

## STORAGE AND DISPOSAL *(continued)*

### Container Handling *(continued)*

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

**Refillable Container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**Triple rinse as follows:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

### In Case of Emergency

In case of large-scale spillage regarding this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

### Steps to be taken in case this material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.

- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

## Product Information

**Pillar® SC Intrinsic® brand fungicide** is a broad-spectrum suspension concentrate fungicide containing the active ingredients triticonazole and pyraclostrobin for use in turfgrass.

For optimum disease control, apply **Pillar SC Intrinsic** in a regularly scheduled protective spray program and use in a rotation program with **non-Group 3** and **non-Group 11** fungicides.

Preventive applications of **Pillar SC Intrinsic** optimize disease control, resulting in improved plant health.

### Modes of Action

Each of the components in **Pillar SC Intrinsic** provides a different mode of action against plant pathogenic fungi.

Triticonazole inhibits the demethylation step of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a **Group 3** fungicide.

Pyraclostrobin belongs to the group of respiration inhibitors classified by the US EPA and Canada PMRA as quinone outside inhibitors (QoI) and classified by FRAC as **Group 11** fungicides.

### Resistance Management

For resistance management, please note that **Pillar SC Intrinsic** contains both a **Group 3** (triticonazole) and **Group 11** (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **Pillar SC Intrinsic** and other **Group 3** or **Group 11** fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same treatment area. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of **Pillar SC Intrinsic** or other **Group 3** or **Group 11** fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, and cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.

- Monitor treatment area for lack of efficacy that might indicate possible resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance management and/or **Integrated Pest Management (IPM)** guidelines for specific crops and pathogens.
- For further information or to report suspected resistance consult your local BASF representative, extension specialist, or certified crop advisor.

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## Use Sites

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### Turfgrass

- Golf courses
- Institutional, commercial, and residential lawns
- Sod farms
- Parks
- Recreational areas including athletic fields
- Cemeteries
- Airports
- Rights-of-way

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## Application Instructions

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- Begin **Pillar® SC Intrinsic® brand fungicide** applications preventively (before onset or in the early stages of disease) and continue throughout the season following specified intervals and resistance management guidelines.
- Make applications of **Pillar SC Intrinsic** under favorable turfgrass growing conditions. Application of **Pillar SC Intrinsic** to turfgrass under high stress is not advised.
- Use shorter specified interval and/or higher specified rate when conditions favor disease.
- Thorough and uniform coverage is required for optimal disease control.
- Application equipment must be cleaned thoroughly before and after applying this product, particularly if a product with the potential for injury was used before application of **Pillar SC Intrinsic**.
- Before large-scale use, apply the specified rate of **Pillar SC Intrinsic** on a small test area under expected growing conditions. Monitor for turfgrass injury for 14 days after application.
- **Pillar SC Intrinsic** applied to soil-based *Poa annua* (annual bluegrass) putting greens under growth regulation may result in injury where overlaps occur.
- For all Bermudagrass greens, **DO NOT** apply at spring transition or injury may occur. Applications in early spring or following full greenup are acceptable. It is not advised that **Pillar SC Intrinsic** be used on Bermudagrass greens when temperatures exceed 90° F.

- Tolerant turfgrass species are as follows:

- |  |                       |
|--|-----------------------|
| - Bentgrass, colonial                          | - Centipedegrass      |
| - Bentgrass, creeping                          | - Dichondra           |
| - Bermudagrass, common                         | - Fescue, fine        |
| - Bermudagrass, hybrid                         | - Fescue, tall        |
| - Bluegrass, annual<br>( <i>Poa annua</i> )    | - Kikuyugrass         |
| - Bluegrass, Kentucky                          | - Paspalum, seashore  |
| - Bluegrass, rough<br>( <i>Poa trivialis</i> ) | - Ryegrass, annual    |
| - Buffalograss                                 | - Ryegrass, perennial |
|  | - St. Augustinegrass  |
|  | - Zoysiagrass         |

### Restrictions

- **DO NOT** apply by aerial equipment.
- **DO NOT** apply through any type of irrigation equipment.
- Refer to **Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass** for maximum seasonal use rate and sequential application intervals.

### Ground Application

- **Pillar SC Intrinsic** may be applied by ground sprayers including tractor groundboom, backpack/handboom, handwand, etc.
- Use the application rates specified for each disease as listed in **Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**.
- Apply **Pillar SC Intrinsic** in 2 to 4 gallons of water per 1000 square feet (87 to 174 gallons per acre) unless higher spray volumes are specified for the disease. See **Table 2. Pillar® SC Intrinsic® brand fungicide Dilution Spray Solutions on Turfgrass** for equivalent spray dilutions (fl ozs/100 gallons spray solution) to achieve rates specified in **Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**.

### Spray Drift Management

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

**DO NOT apply when conditions favor drift beyond the intended (target) application area. Considerations and measures for reducing drift include:**

1. **Droplet size.** Use the largest droplets that provide target pest control. Droplet size can be controlled with:

**Volume:** increasing the spray volume will reduce drift by producing larger droplets. Use the highest practical spray volume for the application.

**Pressure:** use the lowest spray pressure specified 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.

2. **Boom height or nozzle height.** For ground equipment, the boom should remain level with the crop and have minimal bounce. For boomless ground applications, setting nozzles at the lowest effective height will help to reduce the potential for spray drift.
3. **Shielded sprayers.** Consider using shielded booms or individual nozzles to reduce drift. Verify that the shields are not interfering with the uniform deposition of spray on the target area.
4. **Temperature and humidity.** Use caution when making applications in hot and dry conditions, which are favorable for drift. Use larger droplets to reduce effects of evaporation.
5. **Temperature inversions. DO NOT apply during a temperature inversion. Consult local weather services before applying if conditions are favorable for inversion.** 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.
6. **Wind. DO NOT apply if wind speed is 15 mph or more. DO NOT apply if winds are gusty.** Apply only when the potential for drift to adjacent sensitive areas (e.g. bodies of water or nontarget crops) is minimal and when wind is blowing away from sensitive areas. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

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## Tank Mixing Other Products and Additives

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.

**Pillar® SC Intrinsic® brand fungicide** can be tank mixed with other fungicides, herbicides, insecticides, liquid fertilizers, biological control products, adjuvants, and additives. Always follow the most restrictive label use directions.

## Tank Mixing Precautions

Physical incompatibility, reduced disease control, or injury may result from mixing **Pillar SC Intrinsic** with other products.

Mixing partners (products including stickers, extenders, wetting agents, spray adjuvants) are typically not necessary for use with **Pillar SC Intrinsic**; however, when such products are used, ensure they are labeled for use on turfgrass. When an adjuvant is used with this product, BASF advises the use of a Chemical Producers and

Distributors Association certified adjuvant. Consult a BASF representative or local turfgrass authority for more information on use of additives or adjuvants with this product.

The use of 100% formulated organosilicone products has been shown to be injurious; however, commercial blends may be safe under grower conditions. Test the product combination on a sample of the plants to be treated to ensure a phytotoxic response will not occur before large-scale use.

## Compatibility Test for Tank Mix Components

Before mixing components, always perform a compatibility jar test.

1. Add components in the order listed in **Mixing Order** instructions.
  - **For 100 Gallons per Acre Spray Volume:** Start with 16 cups (1 gallon) of water from the intended source at the source temperature.
  - **For Other Spray Volumes:** Adjust rates accordingly.
  - **Dry Product:** Add 2 teaspoons per pound of product per acre.
  - **Liquid Product:** Add 1 teaspoon per pint of product per acre.
2. Always cap the jar and invert 10 cycles after component additions.
3. When the components have all been added to the jar, let the solution stand for 15 minutes.
4. **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, fine particles that precipitate to the bottom, or thick (clabbered) texture. **DO NOT** use any spray solution that could clog spray nozzles.

## Mixing Order

Make sure each component is thoroughly mixed and suspended before adding tank mix partners. Except when mixing products in PVA bags, maintain constant agitation during mixing and application.

1. **Water** - Fill a thoroughly clean sprayer tank 3/4 full of clean water and begin agitation.
2. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-dispersible products** (including dry flowables, wettable powders, suspension concentrates including **Pillar SC Intrinsic**, or suspo-emulsions)
  - **Containers 5 Gallons or Less:** Shake well before adding to the tank.
5. **Water-soluble products**
6. **Emulsifiable concentrates** (for example, oil concentrates when applicable)
7. **Water-soluble additives** [including ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**



**Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease <i>Pathogen</i>	Rate (fl ozs product)		Application Interval (days)	Application Information
	per 1000 sq ft	per acre		
<b>Anthracnose</b> <i>Colletotrichum graminicola</i>	1.0	43.6	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
<b>Bentgrass dead spot</b> <i>Ophiosphaerella agrostis</i>			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
<b>Brown patch</b> <i>Rhizoctonia solani</i>			14 to 28	Apply when conditions are favorable for disease development.
<b>Brown ring patch</b> (formerly known as Waitea patch) <i>Rhizoctonia circinata</i> var. <i>circinata</i>			14 to 28	Provide short irrigation cycle directly following treatment to move fungicide through thatch.
<b>Dollar spot</b> <i>Clari Reedia</i> spp.			14 to 28	Apply when conditions are favorable for disease development.
<b>Fairy ring</b> various Basidiomycete fungi			14 to 28	Apply in the spring when soil temperatures are consistently above 55° F. Use of soil wetting agent program can improve product movement downward and into contact with Basidiomycete fungi. For optimum results, apply a soil wetting agent to the intended treatment area prior to <b>Pillar SC Intrinsic</b> application.
<b>Fusarium patch (Pink snow mold)</b> <i>Microdochium nivale</i>			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of <b>Pillar SC Intrinsic</b> or an application of <b>Insignia® SC Intrinsic® brand fungicide</b> 14 days prior to <b>Pillar SC Intrinsic</b> application.
<b>Gray leaf spot</b> <i>Pyricularia grisea</i>			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
<b>Gray snow mold/ Typhula blight</b> <i>Typhula</i> spp.			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of <b>Pillar SC Intrinsic</b> or an application of <b>Insignia SC Intrinsic</b> 14 days prior to <b>Pillar SC Intrinsic</b> application.
<b>Large patch/Zoysia patch</b> <i>Rhizoctonia solani</i> AG2-2LP			14 to 28	Make 2 applications in the fall when conditions are favorable for disease development, repeat in spring with 1 to 2 applications prior to and following greenup.
<b>Leaf spot</b> <i>Bipolaris</i> spp., <i>Dreschlera</i> spp., <i>Exserohilum</i> spp.			14 to 28	Apply when conditions are favorable for disease development.
<b>Melting out</b> <i>Drechslera poae</i>	14 to 28	Apply when conditions are favorable for disease development.		

(continued)

**Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**

(continued)

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease <i>Pathogen</i>	Rate (fl ozs product)		Application Interval (days)	Application Information
	per 1000 sq ft	per acre		
<b>Necrotic ring spot</b> <i>Leptosphaeria korrae</i>	1.0	43.6	28	Apply when soil temperatures reach 60° F in early spring to summer and continue at 28-day intervals under conditions favorable for disease development. Provide additional irrigation following application.
<b>Pink patch</b> <i>Limonomyces roseipellis</i>			14 to 28	Apply when conditions are favorable for disease development, when night temperatures are 60° F to 70° F, and in periods of higher rainfall.
<b>Pink snow mold (Fusarium patch)</b> <i>Microdochium nivale</i>			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of <b>Pillar SC Intrinsic</b> or an application of <b>Insignia® SC Intrinsic® brand fungicide</b> 14 days prior to <b>Pillar SC Intrinsic</b> application.
<b>Powdery mildew</b> <i>Blumeria graminis</i>			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
<b>Pythium blight</b> <i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.			14	Use preventively. Begin applications when conditions are favorable for fungal infection, normally under prolonged moist and humid conditions. Apply prior to disease symptom development.
<b>Pythium root dysfunction</b> <i>Pythium volutum</i> spp., <i>Pythium</i> spp.			14	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. <b>DO NOT</b> apply more than two strobilurin-based fungicides sequentially prior to rotation to a different mode of action.
<b>Rapid blight</b> <i>Labyrinthula terrestris</i>			14 to 28	Apply when conditions are favorable for disease development.
<b>Red thread</b> <i>Laetisaria fuciformis</i>			14 to 28	Apply when conditions are favorable for disease development.
<b>Rhizoctonia leaf and sheath spot (Mini ring)</b> <i>Rhizoctonia oryzae</i> , <i>R. zeae</i>			28	Apply when conditions are favorable for disease development.
<b>Rust</b> <i>Puccinia</i> spp.			14 to 28	Apply when conditions are favorable for disease development.

(continued)

**Table 1. Pillar® SC Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**

(continued)

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease <i>Pathogen</i>	Rate (fl ozs product)		Application Interval (days)	Application Information
	per 1000 sq ft	per acre		
<b>Summer patch</b> <i>Magnaporthe poae</i>	1.0	43.6	28	Initiate applications in spring when soil temperatures reach 60° F to 70° F at a 2-inch soil depth, or as dictated by local guidelines. Repeat application at 28-day intervals.
<b>Take-all patch</b> <i>Gaeumannomyces graminis</i> <i>var. avenae</i>			28	Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 2 applications in the fall and subsequent applications in spring depending on local conditions.
<b>Take-all root rot of warm season turf</b> <i>Gaeumannomyces graminis</i> <i>var. graminis</i>			28	Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 2 applications in the fall and subsequent applications in spring depending on local conditions.
<b>Yellow tuft (Downy mildew)</b> <i>Sclerophthora macrospora</i>			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 43.6 fl ozs (0.57 lb triticonazole, 0.50 lb pyraclostrobin) per application per acre (1.0 fl oz per 1000 sq ft).</li> <li>• <b>DO NOT</b> apply more than two sequential applications of <b>Pillar SC Intrinsic</b> before alternating to a <b>non-Group 3</b> and <b>non-Group 11</b> fungicide, unless otherwise specified.</li> <li>• The minimum re-treatment interval is 14 days.</li> <li>• <b>DO NOT</b> make more than 5 applications per acre per year.</li> <li>• <b>DO NOT</b> apply more than 218 fl ozs (2.843 lbs triticonazole, 2.502 lbs pyraclostrobin) per acre per year (5 fl ozs per 1000 sq ft).</li> </ul>				

**Table 2. Pillar® SC Intrinsic® brand fungicide Dilution Spray Solutions on Turfgrass**

Use Rate (fl oz product/ 1000 sq ft)	To obtain 2 gallons/1000 sq ft spray volume:	To obtain 3 gallons/1000 sq ft spray volume:	To obtain 4 gallons/1000 sq ft spray volume:
	(fl ozs product/100 gallons spray solution)		
<b>1.0</b>	50.0	33.33	25.0

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The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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