



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 20, 2020

Danielle A. Larochelle
Regulatory Manager
Nufarm Americas Inc.
11901 S. Austin Ave
Alsip, IL 60803

Subject: Label Amendment – Changes per CDPR request; Modifications to PPE in precautionary statements and agricultural use requirements; Inclusion of approved ABNs as optional, additional restrictions for use sites, and active ingredient rates; Update of spray drift management language; Minor label changes
Product Name: Nufarm Propiconazole SPC EC Fungicide
EPA Registration Number: 228-633
Application Date: June 25, 2020
Decision Number: 566139

Dear Ms. Larochelle:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Page 2 of 2
EPA Reg. No. 228-633
Decision No. 566139

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Lindsay DeMers via email at demers.lindsay@epa.gov.

Sincerely,

A handwritten signature in black ink, reading "Shaja B. Joyner". The signature is written in a cursive style with a large initial 'S'.

Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505P

Enclosure

ACCEPTED

10/20/2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 228-633

PROPICONAZOLE

GROUP

3

FUNGICIDE

Nufarm Propiconazole SPC EC Fungicide

[Alternate Brand Names: Nufarm Propiconazole PRO EC Fungicide; Propiconazole G-PRO EC; Lesco® Spectator™ Turf and Ornamental Fungicide]

For use on turf and ornamentals and non-bearing fruit and nut trees in nursery and landscape plantings

ACTIVE INGREDIENT:

Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole..... 41.8%

OTHER INGREDIENTS:..... 58.2%

TOTAL:..... 100.0%

Contains petroleum distillates

Contains 4 lb of propiconazole per gallon

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 inside label booklet for [FIRST AID and] PRECAUTIONARY STATEMENTS

**For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840**

EPA Reg. No. 228-633

EPA Est. No. _____

Manufactured For
Nufarm Americas Inc.
11901 S. Austin Avenue
Alsip, IL 60803



Net Contents:

[Designation as “NONREFILLABLE” or “REFILLABLE” for containers > 5 GAL]

[Nufarm: Grow a Better Tomorrow]
[Grow a Better Tomorrow]

FIRST AID	
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.
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 SWALLOWED	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • DO NOT give any liquid to the person. • DO NOT induce vomiting unless told to do so by the poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give saline laxative and supportive therapy. Contains petroleum distillates – vomiting may cause aspiration pneumonia.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING / AVISO**

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. **DO NOT** get in eyes, on skin, or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

Applicators, mixers, loaders, and other handlers must wear:

- Protective eyewear
- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

In addition, mixers, loaders and persons cleaning equipment must also wear:

- Chemical-resistant apron

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

Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4-6)].

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • Wash thoroughly with soap and water after handling and 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 fish and shrimp. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. DO NOT use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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.

Read all sections of this label before using this product.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- Protective eyewear
- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

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 into treated areas or allow others to enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is a systemic fungicide that controls numerous diseases on turfgrasses, ornamentals, nursery plantings, and landscape plantings; please refer to the appropriate section for the diseases controlled.

To prevent plant injury or lack of efficacy, follow all directions, restrictions, and precautions on this label.

SPRAY DRIFT DIRECTIONS

Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1)
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Boom-less Ground Applications

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

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

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size – Ground Boom

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

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

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. 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. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 ft. above the crop canopy, unless a greater application height is necessary for pilot safety.

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.

BOOM-LESS GROUND APPLICATIONS

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

RESISTANCE MANAGEMENT RECOMMENDATIONS

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

The following steps may delay the development of fungicide:

- Rotate the use of Nufarm Propiconazole SPC EC Fungicide 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 effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal 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 Nufarm Americas Inc. at (855) 280-6609. You can also contact your pesticide distributor or university extension specialist to report resistance.

MIXING INSTRUCTIONS

- Fill the tank $\frac{1}{2}$ to $\frac{3}{4}$ full of water.
- Add the appropriate amount of this product.
- Add the remaining water.
- Thoroughly agitate during mixing and during application.

If this product is mixed with other products, use the following mixing sequence:

1. Check the compatibility of the tank mixture using a jar test before mixing in the spray tank (see Tank Mixes Section).

2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least ½ full of water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the water before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
5. Add flowables or suspensions next.
6. Add this product.
7. Add other emulsifiable concentrates.
8. **DO NOT** leave tank mixtures in the spray tank for prolonged periods without agitation. Mix and apply the same day.

TANK MIXES

Tank mix this product with other fungicides, herbicides and insecticides. Prior to using the tank mix, determine compatibility of the tank mix components by conducting a jar test:

1. Use a small container, such as a jar, and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use.
2. Mix thoroughly.
3. After 5 to 15 minutes, observe the mixture for any signs of incompatibility. These can include development of a precipitate, surface oil, or a thick (clabbered) texture.
4. If there are any indications of incompatibility, **DO NOT** use the tank mix or use Unite compatibility agent (3 pts/100 gallons). Rerun the jar test using Unite at the appropriate ratio to ensure compatibility.

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.

TURFGRASS

RESTRICTIONS:

- **DO NOT** apply more than 1.8 lb a.i./A (equivalent to 57.6 fl oz of product/A or 1.3 fl oz/1,000 sq ft) per application.
- **DO NOT** apply more than 7.2 lb a.i./A (equivalent to 1.8 gallons of product/A or 5.3 fl oz/1,000 sq ft) per calendar year.
- **DO NOT** exceed 4 applications per year when applying at the highest rate (58 fl oz/A) or 30 applications per year when applying at the lowest rate (7.5 fl oz/A).
- **DO NOT** graze animals on treated areas.
- **DO NOT** feed clippings from treated areas to livestock or poultry.
- Bermudagrass is sometimes sensitive to this product. **DO NOT** exceed 1.44 fl oz/1,000 sq ft (0.045 lb a.i./1,000 sq ft) or 62.7 fl oz/A (2.0 lb a.i./A) per 30 days on any variety of bermudagrass. In Florida, **DO NOT** apply this product to bermudagrass golf course greens when temperatures exceed 90°F.
- **DO NOT** apply this product through any type of irrigation system.

PRODUCT INFORMATION

- Apply in sufficient water to ensure thorough coverage.
- Apply after mowing or allow sprayed areas to dry completely before irrigating.
- Allow sprayed areas to dry completely before irrigating when controlling foliar diseases.
- Watered-in this product immediately after application when controlling soil-borne diseases.
- Under high disease pressure or conditions conducive to high disease pressure, use the higher specified rate and shorter application interval.
- Prior to use, evaluate spray additives.
- For best disease control and turf quality, use this product in a preventative program with good turf management practices. Also, properly identify the organism causing the disease.

Rate Conversion:

Fluid Ounces to Milliliters Conversion Table				
0.17 fl oz	0.35 fl oz	0.7 fl oz	1.0 fl oz	1.35 fl oz
5 ml	10.4 ml	20.7 ml	30 ml	40 ml

Disease Control:

Disease	Application Rate		Application Interval / Timing	Application Instructions
	fl oz per 1,000 sq ft (lb a.i./1,000 sq ft)	fl oz per acre (lb a.i./A)		
Anthracnose (<i>Colletotricum graminicola</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14-28 days	Apply this product when conditions are favorable for disease development. Use the higher application rate and shorter application interval when disease pressure is high. Tank mix with a contact fungicide at the label rate for broad spectrum control. If disease is present, use the higher specified rate in combination with the label rate of a contact fungicide such as a product containing chlorothalonil (e.g., Spectro® 90 WDG, Reg. No. 1001-72), polyoxin D zinc salt (e.g., Affirm™ WDG, Reg. No. 68173-3-1001), or fluazinam.
Brown Patch (<i>Rhizoctonia solani</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14-21 days	Apply in May or June before disease is present and tank mix with the label rate of a contact fungicide registered for control of brown patch such as a product containing chlorothalonil (e.g., Spectro® 90 WDG, Reg. No. 1001-72), polyoxin D zinc salt (e.g., Affirm™ WDG, Reg. No. 68173-3-1001), fluazinam, or iprodione. Use the higher application rate and shorter application interval when disease pressure is high.
Dichondra Rust (<i>Puccinia dichondrae</i>)	0.7 (0.02)	30 (1.0)	14-21 days	Apply this product when conditions are favorable for disease development.
Dollar Spot (<i>Sclerotinia homeocarpa</i>)	0.17 (0.005)	7.5 (0.2)	14 days	Apply this product when conditions are favorable for disease development.
	0.17 (0.005)	7.5 (0.2)	14 days	Tank mix with low label rate of a product containing chlorothalonil (e.g., Spectro® 90 WDG, Reg. No. 1001-72), mandestrobin (e.g., Pinpoint® Fungicide, Reg. No. 59639-199), fluazinam, or iprodione.
	0.35 (0.01)	15 (0.5)	21-28 days	Tank mix with low label rate of a product containing chlorothalonil.

Disease	Application Rate		Application Interval / Timing	Application Instructions
	fl oz per 1,000 sq ft (lb a.i./1,000 sq ft)	fl oz per acre (lb a.i./A)		
	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14-28 days	If this product is not tank mixed at this rate, DO NOT make more than 3 consecutive applications for control of dollar spot before rotating to an alternate fungicide with a different mode of action than this product.
Fusarium Patch (<i>Fusarium nivale</i>)	0.7-1.35 (0.02-0.04)	30-58 (1.0-1.8)	Fall-Early Spring	Apply this product when conditions are favorable for disease development.
Gray Leafspot (<i>Pyricularia grisea</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14 days	Apply this product when conditions are favorable for disease development. If using the lower specified rate, tank mix with a contact fungicide.
Melting Out, Leaf Spot (<i>Bipolaris</i> spp.) (<i>Drechslera</i> spp.)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14 days	Tank mix with a contact fungicide for broad spectrum control. To reduce the severity of leaf spot and melting out caused by <i>Helminthosporium</i> -type pathogens and under light to moderate pressure, tank mix using the lower specified rate of this product with a contact fungicide.
Necrotic Ring spot (<i>Leptosphaeria korrae</i>)	1.35 (0.04)	58 (1.8)	Fall or Spring	Apply in fall and/or the early spring. Contact your local extension expert for specific application instructions.
Pink Patch (<i>Limonomyces roseipellis</i>)	0.7 (0.02)	30 (1.0)	14-21 days	Apply this product when conditions are favorable for disease development.
Powdery Mildew (<i>Erysiphe graminis</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14-28 days	Apply this product when conditions are favorable for disease development. If disease is present, use the higher specified rate.
Red Thread (<i>Laetisaria fuciformis</i>)	0.7 (0.02)	30 (1.0)	14-21 days	Apply this product when conditions are favorable for disease development.
Rust (<i>Puccinia graminis</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	14-28 days	Apply this product when conditions are favorable for disease development. If disease is present, use the higher specified rate.
Snow Mold Gray (<i>Typhula</i> spp.) Pink (<i>Microdochium nivale</i>)	0.7-1.35 (0.02-0.04)	30-58 (1.0-1.8)	Late Fall	Make one application in the late fall before snow cover; DO NOT apply on top of snow. For optimum disease control, tank mix with a product containing PCNB, chlorothalonil (e.g., Spectro® 90 WDG, Reg. No. 1001-72), or fluazinam.
Spring Dead spot (<i>Leptosphaeria korrae</i> <i>Leptosphaeria narmari</i> <i>Ophiosphaerella herpotricha</i> <i>Gaeumannomyces graminis</i>)	1.35 (0.04)	58 (1.8)	30 days	Make 1 to 3 applications. If a single application is made, apply in September or October. For multiple applications, begin spraying in August.

Disease	Application Rate		Application Interval / Timing	Application Instructions
	fl oz per 1,000 sq ft (lb a.i./1,000 sq ft)	fl oz per acre (lb a.i./A)		
Stripe smut (<i>Ustilago striiformis</i>) (<i>Urocystis agropyri</i>)	0.35-0.7 (0.01-0.02)	15-30 (0.5-1.0)	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Summer Patch Poa Patch (<i>Magnaporthe poae</i>)	0.7 (0.02)	30 (1.0)	14 days	Begin applications in April.
	1.35 (0.04)	58 (1.8)	28 days	
Take-All Patch (<i>Gaeumannomyces graminis</i>)	0.7-1.35 (0.02-0.04)	30-58 (1.0-1.8)	Spring and Fall	This product reduces the severity of take-all patch. Make 1 or 2 fall applications in September and October or when night temperatures drop below 55°F and 1 or 2 applications in April and May. Contact your local extension expert for specific application instructions.
Yellow Patch (<i>Rhizoctonia cerealis</i>)	1.0-1.35 (0.03-0.04)	43-58 (1.4-1.8)	Late Fall	Make one application in the late fall before snow cover; DO NOT use on top of snow. If using the lower specified rate, tank mix with a contact fungicide.
Zoysia Patch, Large patch of zoysia (<i>Rhizoctonia solani</i>)	1.0-1.35 (0.03-0.04)	43-58 (1.4-1.8)	Early fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Contact your local extension expert for specific application instructions.

Establishment of Cool Season Turfgrass:

This product will improve the establishment rate when it is applied to cool season grass seedlings or sod.

New Seedlings: At the 2 to 3 leaf stage of growth, apply 0.35 fl oz/1,000 sq ft (0.01 lb a.i./1,000 sq ft) for faster root development and top growth.

Sod: Two to six weeks prior to cutting, apply 0.35 fl oz/1,000 sq (0.01 lb a.i./1,000 sq ft) to increase sod knitting and faster establishment after laying.

ORNAMENTALS, NON-BEARING FRUIT AND NUT TREES IN NURSERIES AND LANDSCAPING

RESTRICTIONS:

- **DO NOT** apply more than 0.5 lb a.i./A (equivalent to 16 fl oz of product/A or 0.37 fl oz/1,000 sq ft) per application.
- **DO NOT** apply more than 7.2 lb a.i./A (equivalent to 1.8 gallons of product/A or 5.3 fl oz/1,000 sq ft) per year.
- **DO NOT** exceed 14 applications per year.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plums or walnut trees that will bear harvestable fruit within 12 months.

APPLICATION INSTRUCTIONS

- Allow spray to dry before overhead irrigation is applied.
- For landscape plantings, apply 2-2.7 fl oz (0.06-0.08 lb a.i.) per 100 gallons of water every 21 days. Begin application before disease development for best control.
- For ornamentals, apply at 0.7-8 fl oz (0.02-0.25 lb a.i.) per 100 gallons of water (see below for specific instructions).

Notes on Plant Tolerance

- Plant tolerance to this product has been found to be acceptable for the specific genera and species of plants listed on this label. Other plant species may be sensitive to this product.
- Prior to full-scale use of this product on ornamental plants and trees, evaluate the product for phytotoxicity and disease control on a small-scale basis.
- **DO NOT** apply this product to African violets, begonias, Boston fern, or geraniums.

Ornamental Plant Species:

Herbaceous Ornamentals

Calendula
Carnation
Chrysanthemum
Delphinium
Gomphrena
Iris
Marigold
Monarda
Phlox
Snapdragon
Sweet William (*Dianthus barbatus*)
Zinnia

Woody Ornamentals

Amelanchier
Ash
Azalea
Bayberry
Crabapple
Crape Myrtle
Dogwood
Douglas Fir
Hawthorn
Juniper
Lilac
Oaks
Pines
Poplars
Pyracantha
Red Tip Photinia
Rhododendron
Roses (outdoor use only)
Shasta Fir
Wax Myrtle

Non-bearing Fruit and Nut Trees (Nursery and Landscape Plantings)

Apple
Bartlett pear
Cherry
Citrus
Nectarine
Peach
Pecan
Plum
Walnut

Please refer to the following table for specific application rates and timing information:

Ornamental Disease Control:

Disease	Ornamental Plant Species	Rate fl oz (lb a.i.) per 100 gallons	Application Interval / Timing	Application Instructions
Conifer Blights				
<i>Phomopsis juniperovora</i> (Phomopsis Blight)	Juniper	1.6-2.7 (0.05-0.08)	14-21 days	Apply as a full coverage spray to the point of drip. Begin applying this product when junipers start to grow and repeat applications during the period of active growth.
<i>Sirococcus strobolinus</i> (Tip Blight)	Pines	5.3 (0.17)	Mid-late winter and 2 additional applications at 2 month intervals	Apply as a full coverage spray to the point of drip. Make initial application in mid-late winter followed by two additional applications at 2 month intervals.
<i>Sphaeropsis sapinea</i> (Diplodia Tip Blight)	Pines	1.6-2.7 (0.05-0.08)	14 days	Apply as a full coverage spray to the point of drip. Prior to the major period of infection, make 3 applications 14 days apart.
Flower Blights				
<i>Ascochyta chrysanthemi</i> (Ray Blight)	Chrysanthemum	4 (0.13)	7 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
		7 (0.22)	14 days	
<i>Monilinia</i> spp.	Cherry Nectarine Peach Plum	0.7-1.35 (0.02-0.04)	Begin applications when there is 5-10% bloom, repeat at 70-100% bloom	Apply as a full coverage spray to the point of drip.
<i>Ovulinia</i> spp.	Azalea Rhododendron	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
Leaf Blights/Spots				
<i>Alternaria</i> spp.	Gomphrena Marigold	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Cercospora</i> spp. (Brown Leaf spot)	Pecan	4 (0.13)	14 days	Apply as a full coverage spray to the point of drip. Begin application at bud break, making a total of 3 applications.
<i>Cladosporium</i> spp. (Scab)	Pecan	4 (0.13)	14 days	Apply as a full coverage spray to the point of drip. Begin application at bud break, making a total of 3 applications.
	Crabapple	2.7-4 (0.08-0.13)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Coccomyces hiemalis</i>	Cherry	0.7-1.35 (0.02-0.04)	14-21 days	Apply as a full coverage spray to the point of drip. Repeat applications during the period of primary application. Tank mix with a contact fungicide if disease is present.
<i>Cristulariella</i> spp. (Zonate Leaf spot)	Pecan	4 (0.13)	14 days	Apply as a full coverage spray to the point of drip. Begin application at bud break, making a total of 3 applications.

Disease	Ornamental Plant Species	Rate fl oz (lb a.i.) per 100 gallons	Application Interval / Timing	Application Instructions
<i>Diplocarpon rosae</i> (Blackspot)	Roses (outdoor use only)	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development. Tank mix with a contact fungicide labeled for blackspot.
<i>Discula</i> spp. (Anthracnose)	Dogwood	2.7-4 (0.08-0.13)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Fabraea maculata</i> (syn. <i>Entomosporium maculata</i>)	Red Tip Photinia	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Gnomonia leptostyla</i> (Anthracnose)	Walnut	3 (0.09)	14-21 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Heterosporium echinulatum</i>	Sweet William (<i>Dianthus barbatus</i>)	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Mycosphaerella caryigena</i> (Downy Spot)	Pecan	4 (0.13)	14 days	Apply as a full coverage spray to the point of drip. Begin application at bud break, making a total of 3 applications.
<i>Mycosphaerella fructicola</i> (Greasy Spot)	Citrus	7-8 (0.22-0.25)	Apply within June to August time period	Apply as a full coverage spray to the point of drip.
<i>Septoria</i> spp. (Leaf scorch)	Rhododendron	2.7-4 (0.08-0.13)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
	Pecan	4 (0.13)	14 days	Apply as a full coverage spray to the point of drip. Begin application at bud break, making a total of 3 applications.
	Bayberry Wax myrtle	2.7 (0.08)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Spilocaea pyracanthae</i>	Pyracantha	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Tubakia dryina</i>	Oaks	5.3 (0.17)	14-28 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Venturia inaequalis</i> (Scab)	Crabapple Apple Bartlett pear	0.7-1.35 (0.02-0.04)	14-21 days	Apply as a full coverage spray to the point of drip. Repeat applications during the period of primary application. Tank mix with a contact fungicide if disease is present.

Powdery Mildew				
<i>Erysiphe</i> spp.	Calendula	1.6-2.7 (0.05-0.08)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
	Delphinium Crape Myrtle	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Microsphaera</i> spp.	Azalea	2.7-4 (0.08-0.13)	30 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Oidium</i> spp.	Monarda Phlox Zinnia Ash Crabapple Dogwood Lilac Bartlett pear	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Podosphaera</i> spp.	Amelanchier Apple	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Sphaerotheca pannosa</i>	Roses (outdoor use only) Pecan	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
Rust				
<i>Gymnosporangium juniperi-virginianae</i>	Crabapple Hawthorn Apple Bartlett pear	0.7-1.35 (0.02-0.04)	14-21 days	Apply as a full coverage spray to the point of drip. Repeat applications during the period of primary application. Tank mix with a contact fungicide if disease is present.
<i>Melampsora occidentalis</i>	Douglas Fir	5.3 (0.17)	Apply once in May	Apply as a full coverage spray to the point of drip
	Poplars	5.3 (0.17)	14-28 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Phragmidium</i> spp.	Roses (outdoor use only)	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Puccinia</i> spp.	Iris Snapdragon	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Pucciniastrum geoppertianum</i>	Shasta Fir	5.3 (0.17)	14-28 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
<i>Uromyces dianthi</i>	Carnation	1.6-2.7 (0.05-0.08)	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers.

PESTICIDE DISPOSAL: Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Pesticide, mixtures, or equipment rinse water that cannot be chemically reprocessed must be disposed of according to applicable federal, state or local procedures. Contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

[Note to Reviewer: The following statement will be included on all Final Printed Labels bearing multiple Container Handling statements] **“NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this product's labeling for the applicable “Nonrefillable” or “Refillable” designation. Follow the container handling instructions below that apply to your container type/size.”

[Nonrefillable Containers 5 Gallons or Less:]

Nonrefillable 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. 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

[Nonrefillable containers larger than 5 gallons:]

Nonrefillable container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty 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. **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 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 puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

[Refillable containers larger than 5 gallons:]

Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED “AS IS” BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE

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