

228-633

08/20/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms Lizbeth Rea
Nufarm Americas, Inc
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

AUG 20 2009

Subject: Notification(s) for Label Revisions under PRN 98-10, and PRN 2007-4
Storage & Disposal and Other Changes (Warranty Statement and Primary Brand
Name Change to "Nufarm Propiconazole Pro EC Fungicide")

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated July 15, 2009 for:

EPA Registration 228-633 Nufarm Propiconazole Pro EC Fungicide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 228-633	2. EPA Product Manager Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Propiconazole G-Pro EC Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Ste. 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>NOTIFICATION</u> Product Name <u>AUG 20 2009</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of a primary brand name (Nufarm Propiconazole Pro EC Fungicide) and minor label changes per PRN 98-10 and storage and disposal changes per PRN 2007-4. This notification is consistent with the provisions of PRN 98-10, PRN 2007-4 and EPA regulations at 40 CFR 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PRN 98-10, PRN 2007-4 and 40 CFR 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 4 x 1 qt; 2 x 2 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lizbeth Rea	Title Regulatory Manager	Telephone No. (Include Area Code) 919/655-0701
2. Signature 		6. Date Application Received (Stamped)
3. Title Regulatory Manager		
4. Typed Name Lizbeth Rea	5. Date 7/15/2009	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		



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Nufarm Americas, Inc.
Lizbeth Rea
Regulatory Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 919.655.0701 Fax: 919.342.5176
liz.rea@us.nufarm.com

July 15, 2009

Via Overnight Courier

Linda Arrington
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

Subject: Propiconazole G-Pro EC Fungicide
EPA Reg. No. 228-633
PBN Change: Nufarm Propiconazole Pro EC Fungicide
Minor Label Changes

Dear Ms. Arrington:

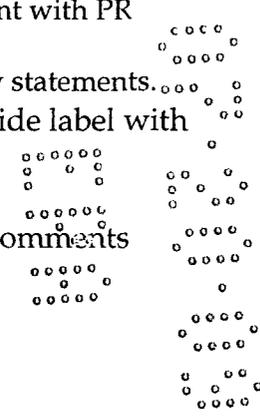
The following documents are attached in support of the primary brand name and minor label changes being made via notification under PRNs 98-10 & 2007-4.

- Application for a New Product Registration (EPA Form 8570-1)
- One (1) copy of the Nufarm Propiconazole Pro EC Fungicide label with changes tracked. Changes include:
 - Replaced the product name throughout the label with "this product".
 - Replaced "recommend" and "may" with more definitive language.
 - Updated the Container Disposal statement to be consistent with PR Notice 2007-4.
 - Updated Warranty Disclaimer and Limitation of Liability statements.
- Five (5) copies of the Nufarm Propiconazole Pro EC Fungicide label with changes incorporated.

Please call me at 919/655-0701 if you have any questions and/or comments regarding this submission.

Sincerely,

Lizbeth Rea
Regulatory Manager
Nufarm Americas Inc.



Nufarm Propiconazole Pro EC 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 lbs. 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 additional FIRST AID and PRECAUTIONARY STATEMENTS

EPA Reg. No. 228-633

EPA Est. No.

Manufactured for:
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527

Nufarm Propiconazole Pro EC Fungicide
contains propiconazole, the active
ingredient used in Banner®

Net Contents:

**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. Wear protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on the EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and long pants
- Chemical resistant gloves, such as a barrier laminate or viton thicker than 14 mils
- Chemical-resistant footwear plus socks
- Goggles or face shield
- Chemical-resistant headgear for overhead exposures.

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

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 160.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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. • Have person sip a glass of water if able to swallow. • 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.

HOT LINE 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 distillate – vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 washwaters.

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.

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 24 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:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks
- Goggles or face shield

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.

GENERAL INFORMATION

Read all sections of this label before using this product. 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.

USE PRECAUTIONS/RESTRICTIONS

- To prevent plant injury or lack of efficacy, follow all directions for use and precautions on this label.
- Do not apply this product through any type of irrigation system.
- Do not use this product as a tree injection treatment.
- Bermudagrass is sometimes sensitive to this product. Do not exceed 1.44 fl. oz. per 1000 sq. ft. 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 graze animals on treated areas.
- Do not feed clippings from treated areas to livestock or poultry.
- Do not apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plums or walnut trees that will bear harvestable fruit within 12 months.

MIXING INSTRUCTIONS

- Fill the tank 1/2 to 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 1/2 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.

Observe all directions and the most restrictive precautions and limitations on the labels of each product used in the tank mixture.

TURFGRASSES

General Information/Restrictions:

- Do not apply more than 5.8 fl. oz. per 1000 sq. ft.
- 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 control and turf quality, use this product in a preventative disease control program and with good turf management practices. Also, properly identify the organism causing the disease.
- Bermudagrass is sometimes sensitive to this product. Do not exceed 1.44 fl. oz. per 1000 sq. ft. 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 graze animals on treated areas.
- Do not feed clippings from treated areas to livestock or poultry.

Rate Conversion:

Fluid ounces to Milliliters Conversion table				
0.18 fl. oz.	0.36 fl. oz.	0.72 fl. oz.	1.1 fl. oz.	1.44 fl. oz.
5.4 ml	10.8 ml	21.6 ml	33 ml	43.2 ml

1 fl. oz. = 30 milliliters

Disease Control:

Disease	Application Rate		Application Timing or Interval	Instructions
	(fl. oz. per 1000 sq. ft.)	(fl. oz. per acre)		
Anthracnose (<i>Colletotricum graminicola</i>)	0.36-0.72	15.9-31.8	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 labeled rate for broad spectrum control. If disease is present, use the highest rate specified (i.e. 0.72 fl. oz./1000 sq. ft. or 31.8 fl. oz./A) in combination with a contact fungicide, such as Daconil Ultrex® or Chipco® 26019.

Disease	Application Rate		Application Timing or Interval	Instructions
	(fl. oz. per 1000 sq. ft.)	(fl. oz. per acre)		
Brown Patch (<i>Rhizoctonia solani</i>)	0.36-0.72	15.9-31.8	14-21 days	Apply in May or June before disease is present and tank mix with a contact fungicide, such as Daconil Ultrex® or Chipco® 26019, registered for control of brown patch. Use the higher application rate and shorter application interval when disease pressure is high.
Dichondra rust (<i>Puccinia dichondrae</i>)	0.72	31.8	14-21 days	Apply this product when conditions are favorable for disease development.
Dollar spot (<i>Sclerotinia homeocarpa</i>)	0.18	7.9	7 days	Apply this product when conditions are favorable for disease development.
	0.18	7.9	14 days	Tank mix with low labeled rate Daconil Ultrex® or Chipco® 26019.
	0.36	15.9	21-28 days	Tank mix with low labeled rate of a product containing chlorothalonil.
	0.36-0.72	15.9-31.8	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>)	0.72-1.44	31.8-63.4	Fall-Early Spring	Apply this product when conditions are favorable for disease development.
Gray Leafspot (<i>Pyricularia grisea</i>)	0.36-0.72	15.9-31.8	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.)	0.36-0.72	15.9-31.8	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 0.36 fl. oz./1000 sq. ft. of this product with a contact fungicide.
Necrotic Ring spot (<i>Leptosphaeria korrae</i>)	1.44	63.4	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>)	0.72	31.8	14-21 days	Apply this product when conditions are favorable for disease development.
Powdery Mildew (<i>Erysiphe graminis</i>)	0.36-0.72	15.9-31.8	14-28 days	Apply this product when conditions are favorable for disease development. If disease is present, use the highest specified rate.
Red Thread (<i>Laetisaria fuciformis</i>)	0.72	31.8	14-21 days	Apply this product when conditions are favorable for disease development.

Disease	Application Rate		Application Timing or Interval	Instructions
	(fl. oz. per 1000 sq. ft.)	(fl. oz. per acre)		
Rust (<i>Puccinia graminis</i>)	0.36-0.72	15.9-31.8	14-28 days	Apply this product when conditions are favorable for disease development. If disease is present, use the highest specified rate.
Snow Mold Gray (<i>Typhula</i> spp.) Pink (<i>Microdochium nivale</i>)	0.72-1.44	31.8-63.4	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 products containing PCNB or chlorothalonil.
Spring Dead spot (<i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i>)	1.44	63.4	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.
Stripe smut (<i>Ustilago striiformis</i>) (<i>Urocystis agropyri</i>)	0.36-0.72	15.9-31.8	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>)	0.72 1.44	31.8 63.4	14 days 28 days	Begin applications in April.
Take-All Patch (<i>Gaeumannomyces graminis</i>)	0.72-1.44	31.8-63.4	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>)	1.1-1.44	48.1-63.4	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>)	1.1-1.44	48.1-63.4	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 0.36 fl. oz./1000 sq. ft. for faster root development and top growth.

Sod: Two to six weeks, prior to cutting, apply 0.36 fl. oz./1000 sq. ft. to increase sod knitting and faster establishment after laying.

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

General Information/Restrictions:

- Allow spray to dry before overhead irrigation is applied.
- For best control and turf quality, use this product in a preventative disease control program and with sound disease management practices.
- Apply up to 2 gallons of this product per acre/crop/year for outdoor uses.
- For landscape plantings, apply 2.2-2.9 fl. oz./100 gallons of water every 21 days. Begin application before disease development for best control.
- For ornamentals, apply at 0.72-8.7 fl. oz./100 gallons of water (see below for specific instructions).
- Prior to using this product on ornamental plants not listed on this label, test for phytotoxicity on a small-scale basis.
- Prior to using this product against diseases not listed on this label, test for efficacy on a small-scale basis.
- Do not apply this product to African violets, begonias, Boston fern, or geraniums.
- Prior to large-scale application, evaluate this product for phytotoxicity and disease control on a small-scale basis.
- Do not apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plums or walnut trees that will bear harvestable fruit within 12 months.

Ornamental Plant Species:

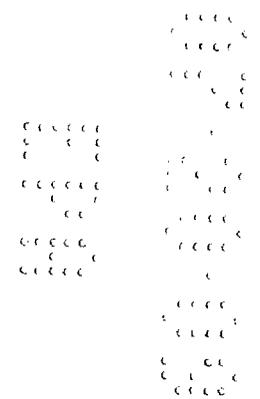
Use this product to control plant diseases on the following plant species (Prior to using this product on ornamental plants not listed on this label, test for phytotoxicity on a small-scale basis.):

Herbaceous Ornamentals

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

Woody Ornamentals

- Amelanchier
- Ash
- Azalea
- Crabapple
- Crape Myrtle
- Dogwood
- Douglas Fir
- Hawthorn
- Juniper
- Lilac
- Oaks



- Pines
- Poplars
- Pyracantha
- Red Tip Photinia
- Rhododendron
- Roses (outdoor use only)
- Shasta Fir

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

- Apple
- Bartlett pear
- Cherry
- Citrus
- Nectarine
- Peach
- Pecan
- Plum
- Walnut

Please refer to the table below (Ornamental Disease Control) for specific rate and application timing information.

Ornamental Disease Control:

Disease	Ornamental Plant Species	Rate (fl. oz. per 100 gallons)	Application Timing or Interval	Instructions
Conifer Blights				
<i>Phomopsis juniperovora</i> (Phomopsis Blight)	Juniper	1.8-2.9	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	5.8	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	1.8-2.9	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	4.3	7 days	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.
		7.2	14 days	
<i>Monilinia</i> spp.	Cherry Nectarine Peach Plum	0.72-1.44	Begin applications when there is 5-10% bloom, repeat at 70-100% bloom	Apply as a full coverage spray to the point of drip.

Disease	Ornamental Plant Species	Rate (fl. oz. per 100 gallons)	Application Timing or Interval	Instructions
<i>Ovulinia</i> spp.	Azalea Rhododendron	1.8-2.9	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	1.8-2.9	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	4.3	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	4.3	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	2.9-4.3	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	0.72-1.44	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	4.3	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>Diplocarpon rosae</i> (Blackspot)	Roses (outdoor use only)	1.8-2.9	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	2.9-4.3	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	1.8-2.9	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	3.1	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>)	1.8-2.9	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	4.3	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. per 100 gallons)	Application Timing or Interval	Instructions
<i>Mycosphaerella fructicola</i> (Greasy Spot)	Citrus	7.2-8.7	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	2.9-4.3	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	4.3	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	2.9	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	1.8-2.9	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	5.8	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	0.72-1.44	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	1.8-2.9	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	1.8-2.9	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	2.9-4.3	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	1.8-2.9	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	1.8-2.9	As needed	Apply as a full coverage spray to the point of drip. Begin applying this product when conditions are favorable for disease development.

Disease	Ornamental Plant Species	Rate (fl. oz. per 100 gallons)	Application Timing or Interval	Instructions
<i>Sphaerotheca pannosa</i>	Roses (outdoor use only) Pecan	1.8-2.9	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	0.72-1.44	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	5.8	Apply once in May	Apply as a full coverage spray to the point of drip
	Poplars	5.8	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)	1.8-2.9	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	1.8-2.9	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	5.8	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	1.8-2.9	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.

PESTICIDE 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 DISPOSAL:

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.

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NOTIFICATION

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