70506-269

3/25/2013



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

> OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Mr. Gary R. Orr, PhD United Phosphorus, Inc 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406

Subject:

Notification per PRN 98-10 and 2007-4: Primary Brand Name change, update Storage and Disposal and other changes Submission date: 3/6/2013 EPA Reg. No. 70506-269 Product Name: WingMan Primary Brand Name: **Phoenix WingMan** Decision Number 476346

MAR 2 5 2012

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 and 2007-4 dated 3/6/2013 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and 2007-4, and finds that the action(s) requested fall within the scope of PRN 98-10 and 2007-4.

The Primary Brand Name Phoenix WingMan dated 3/6/13 is acceptable.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have questions concerning this letter, please call Banza Djapao at 703-305-7269 or via email at <u>djapao.banza@epa.gov</u> or you may call me at 703-305-5410.

Sincerely, tone

Hope Johnson Acting Product Manager 21 Fungicide Branch Registration Division (7504P)

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	United States		🗌 Registra	ation	OPP Identifier Numbe
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	Washington, DC 2046	50 50	Other: N	lotification	
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United Phosphorus, Inc. Gary R. Orr, PhD 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 Phone: (919) 802-8809 email: <u>gary.orr@uniphos.com</u>

3/12

Heather Johnson (PM 21) Document Processing Desk (NOTIF) Office of Pesticide Programs (H7504P) U.S. Environmental Protection Agency 1200 Pennsylvania Ave., N.W. Washington, D.C., 20460 March 6, 2013

NOTIFICATION

MAR 2 5 2013

Subject: WingMan Fungicide (EPA Reg. No. 70506-269) Notification of Label Changes

Dear Ms. Johnson:

In connection with the transfer of this product to United Phosphorus, Inc. (UPI), we are providing notification of updates consequent to same, and we are also notifying the Agency of a change in the **primary brand name** of the product to **Phoenix WingMan**.

To summarize:

- The product name has been changed to Phoenix WingMan throughout.
- Company address, contact information, and emergency information have been updated.
- Because UPI manufactures this product itself, the words "Produced For" have been removed from the front panel.
- Container handling language has been updated in keeping with PR Notice 2007-4.
- The warranty at the end of the label has been changed to the one commonly used by UPI.

Enclosed in support of this action are EPA form 8570-1, and two copies of the proposed clabel; one copy being clearly marked to show changes.

Please contact me using the information provided in the letterhead if you have any questions.

With best regards,

Gary R. Orr Regulatory Affairs Manager

REDLINE Version

NOTIFICATION

WingManPhoenix WingMan

MAR 2 5 2013

Fungicide **Dispersible Granules**

Active Ingredients

A coordination product of zinc ion and manganese ethylenebisdithiocarba	amate in which the
ingredients are:	
Manganese	15.0%
Zinc	01.9%
Ethylenebisdithiocarbamate ion (C4H6N2S4)	58.1%
Inert Ingredients	<u>25.0</u> %
TOTAL	
Contains 0.75 pounds of Mancozeb per pound of product.	

Keep Out of Reach of Children **CAUTION/PRECAUCIÓN**

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

	First Aid	
If swallowed	 Call a poison control center or doctor immediately for treatment advice Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 	
If inhaled	 Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. 	
If in eyes	 Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice. 	
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice. 	
EMERGENO Have the pro treatment. <u>I</u> treatment in	Y NUMBER Iduct container or label with you when calling a poison control center or doctor, or going for <u>or medical emergency</u> You may also c ontact 1 888 875-1724 for emergency medical ermation. <u>the Rocky Mountain Poison Control Center at 1-866-673-6671.</u>	c c
	FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300	c c c
	Net Contents: Pounds	i i i
	No. 8194370506	i c
EPA Reg.	ETA Est. No	Ĺ
EPA Reg. Produced	for:	<u> </u>
Produced Phoenix Er 630 Freedo P.O. Box 3	for: vironmental Care, LLC <u>United Phosphorus, Inc.</u> <u>m Business Center. Suite 402</u> ² 0	<u>ر</u> زر زر زر

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Precautionary Statements Hazards to Humans and Domestic Animals

CAUTION. MAY IRRITATE EYES, NOSE, THROAT AND SKIN. MAY BE HARMFUL IF ABSORBED THROUGH SKIN, INHALED OR SWALLOWED. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Keep away from fire or sparks.

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 A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as nitrile rubber, natural rubber, or butyl rubber.
- Shoes plus socks.

Mixers and Loaders must wear:

- Coveralls overlong-sleeved shirt and long pants.
- Chemical-resistant gloves, such as nitrile rubber, natural rubber, or butyl rubber.
- Shoes plus socks.
- Protective eyewear.
- Chemical-resistant apron when mixing or loading.

Discard clothing or 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, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product.
- Wash outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing

Engineering Controls Statement

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. During aerial application, human flaggers must be in enclosed cabs.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertide! areas below the mean high water mark. Cover or incorporate spilled treated seed. Do not contaminate water by disposing of equipment washwaters.

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.

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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 (72-hours for sod farms). 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 nitrile rubber, natural rubber, or butyl rubber.
- 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, forests, nurseries or greenhouses.

Commercial seed treatments and professional applications to lawn grasses, golf courses, industrial (office park), municipal and residential lawns are not within the scope of the Worker Protection Standard.

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: Important–Never allow <u>WingManPhoenix WingMan</u> to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of <u>WingManPhoenix WingMan</u> as a fungicide and create vapors which may be flammable. Keep container closed when not in use. Store product in original container only, away from other pesticides, fertilizer, food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container <u>DisposalHandling</u>: <u>Nonrefillable container</u>. <u>Do not reuse or refill this container</u>. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WingManPhoenix WingMan, a dispersible granule containing mancozeb, is recommended for use as a spray for the control of many important plant diseases.

APPLICATION INSTRUCTIONS

AS A SPRAY (Ground or Aerial Equipment) – Apply WingManPhoenix WingMan at the rate shown; use sufficient water to provide thorough coverage, use 20 to 100 gallons per acre for ground equipment and no cless than 2 gallons per acre for aircraft. Add WingManPhoenix WingMan slowly to water in the spray sank with agitation, or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Continuous agitation is required to keep the product in suspension. A spreader-sticker spray adjuvant may becused, with this product if needed; contact your local product distributor or Phoenix Environmental Care LLC representative for specific recommendations.

RESTRICTIONS

FOLIAR APPLICATIONS

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acres Perrise Season. If more than one product containing an EBDC active ingredient (maneb, mancozeb or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum to

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poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season. If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

CHEMIGATION

Apply WingManPhoenix WingMan Fungicide only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems. Do not apply WingManPhoenix WingMan through any other type of irrigation system.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS:

- Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to
 prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.
 SPECIFIC INSTRUCTIONS FOR SPRINKLER

IRRIGATION SYSTEMS:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow, contact
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Good agitation is required in the injection tank.
- In moving systems, apply specified dosage of WingManPhoenix WingMan as a continuous injection. In non-moving systems inject WingManPhoenix WingMan for 15 to 30 minutes at end of cycle. Use the least amount of water possible consistent with uniform coverage.
- Mix the amount of <u>WingManPhoenix WingMan</u> needed for acreage to be treated into the quantity of
 water determined during prior calibration. For moving systems inject into the system continuously for
 one complete revolution of the field. For non-moving systems inject into system for the time
 established during calibration.
- Stop injection equipment after treatment is completed and continue to operate irrigation equipment until all <u>WingManPhoenix WingMan</u> is flushed from system.

FLOWERS, FOLIAGE PLANTS, AND ORNAMENTALS Not intended for use on fruit trees by homeowners.

Treated plants must not be used for food or feed purposes.

Apply in the field, nursery or greenhouse as a thorough coverage spray, using 1 to 2 lbs. WingManPhoenix WingMan per acre (1-1/2 to 3 tsp. per gallon).

Plant sensitivities to WingManPhoenix WingMan have been found to be acceptable in specific genera and species listed on this label, however, phototoxicity may occur. Due to the large number of species and varieties of omamentals and nursery plants, it is impossible to test each one for sensitivity to WingManPhoenix WingMan. Neither the manufacturer nor seller has determined whether or not WingManPhoenix WingMan can be safely used on ornamental or nursery plants not listed on this label. The user should determine if WingManPhoenix WingMan can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e. bedding plants, foliage, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use. Use WingManPhoenix WingMan in commercial greenhouses and nurseries for control of fungal diseases of flowers, foliage and omamentals.

Aerial Application: For aerial applications made to field-planted ornamentals, apply 1 to 2 lbs. per acre; a minimum rate of 5 gals. of spray per acre must be used during aerial applications.

Application of Dilute Sprays: Apply as thorough coverage spray using 1 to 2 lbs. per acre or 1 to 2 lbs. per 100 gals of water. Begin application at first sign of disease and repeat at 7 to 10 day intervals or as needed; use shorter interval during periods of frequent rains or when severe disease conditions persist.

WingManPhoenix WingMan may be used alone or in combination with other fungicides as a maintenance spray. Use higher rate and

shorter intervals during periods of excessive wetness and rapid plant growth. WingManPhoenix WingMan is recommended for use on certain flower, foliage and ornamental plants listed in the table below for control of the following diseases and pathogen.

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Plant	Pathogen controlled
Abutilon	Alternaria, Cercospora, Cladosporium, Colletotrichum, Puccinia
African violet	Alternaria, Botrytis
Ageratum	Alternaria, Sclerotium, Rhizoctonia, Puccinia
Aglaonema	Alternaria
Almond, ornamental	Botrytis, Cladosporium, Coryneum, Gloeosporium, Monilinia
Alyssum	Microsphaera alni
Andromeda	Exobasidium, Rhytisma, Venturia
Anthurium	Colletotrichum, Gloeosporium
Apple, ornamental	Alternaria, Cephalosporium, Colletotrichum, Coryneum, Elsinoe, Fusarium, Gloeosporium, Gymnosporangium, Helminthosporium, Leptosphaeria, Monilinia, Monochaetia, Mycosphaerella, Pestalotia, Venturia
Arborvitae	Alternaria, Botrytis, Cercospora, Coryneum, Lophodermium, Mycosphaerella, Pestalotia
Ash	Cercospora, Cylindrosporium, Gloeosporium, Puccinia, Rhizoctonia, Sphaeropsis
Aster	Alternaria, Ascochyta, Botrytis, Colletotrichum, Fusarium, Phomopsis, Phyllosticta, Ramularia, Rhizoctonia, Septoria, Puccinia, Uromyces
Aucuba japonica	Alternaria, Cercospora, Gloeosporium, Phomopsis, Phyllosticta
Azalea	Alternaria, Botrytis, Cladosporium, Colletotrichum, Cylindrocladium, Ovulinia
Baby's breath	Botrytis, Rhizoctonia
Basswood	Cercospora, Phyllosticta
Begonia	Botrytis, Gloeosporium, Cercospora, Rhizoctonia
Birch	Cylindrosporium, Gloeosporium, Glomerella, Melampsoridium, Taphrina
Bougainvillea	Colletotrichum
Boxwood	Fusarium, Volutell
Buckeye	Cercospora, Glomerella, Guignardia, Monchaetia, Phyllosticta, Septoria, Taphrina
Buffalo berry	Cylindrosporium, Puccinia, Rhizoctonia, Septoria
Catalpa	Alternaria, Cercospora, Gloeosporium, Phomopsis, Rhizoctonia
Camellia	Botrytis, Cercospora, Elsinoe, Exobasidium, Glomerella, Pestalotia, Phomopsis, Phyllosticta

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Plant	Pathogen controlled
Carnation	Alternaria, Botrytis, Cladosporium, Colletotrichum, Fusarium, Helminthosporium, Septoria, Stemphylium, Uromyces
Cedar	Lophodermium, Gymnosporangium
Cherry, ornamental	Alternaria, Cercospora, Cladosporium, Coccomyces, Coryneum, Fusicladium, Monilinia, Phomopsis, Phyllosticta, Taphrina
Chinese evergreen	Colletotrichum, Gloeosporium
Christmas cactus	Alternaria, Cercospora, Colletotrichum, Fusarium, Phomopsis
Chrysan- themum	Alternaria, Ascochyta, Bipolaris, Botrytis, Cercospora, Cylindrosporium, Helminthosporium, Phyllosticta, Septoria, Stemphylium
Cockscomb (Celosia)	Alternaria, Cercospora
Coleus	Alternaria, Botrytis, Phyllosticta
Columbine	Botrytis, Rhizoctonia, Ascochyta, Cercospora, Septoria, Puccinia
Coryline	Cercospora
Cotoneaster	Cercospora, Phyllosticta, Venturia
Crabapple, ornamental	Marssonina, Phyllosticta, Septoria, Gymnosporangium, Venturia
Crape myrtle	Cercospora, Phomopsis, Phyllosticta
Croton	Gloeosporium
Cuphea (Mexican heather)	Gloeosporium, Rhizoctonia
Cyclamen	Botrytis, Cladosporium, Fusarium, Glomerella, Phyllosticta, Ramularia
Cypress	Coryneum, Fusarium, Gymnosporangium, Lophodermium, Monchaetia, Pestalotia, Phomopsis
Dahlia	Alternaria, Botrytis, Fusarium, Rhizootchia
Daisy	Botrytis, Cercospora, Whetzelia
Daisy, Shasta	c Cylindrosporium, Septoria, Fusarium د
Daisy, Transvall	Alternaria, Botrytis, Gloeosporium
Daylily	Alternaria, Botrytis, Cercospora, Colletotrichum, Phomopsis, Phyllosticte, در ز Puccinia
Delphinium	Ascochyta, Botrytis, Cercospora, Diaporthe, Fusarium, Phyllosticta, Puccinia, Ramધerta, (Septoria, Volutella
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Plant	Pathogen controlled
Dieffen- bachia	Cephalosporium, Colletotrichum, Gloeosporium, Glomerella, Leptosphaeria
Dogwood	Ascochyta, Botrytis, Cercospora, Colletotrichum, Elsinoe, Phyllosticta, Septoria
Dracaena	Alternaria, Cercospora, Colletotrichum, Fusarium, Phyllosticta
Dusty miller	Fusarium, Puccinia
Elm	Botryosphaeria, Cephalosporium, Cercospora, Coryneum, Cylindrosporium, Fusarium, Gloeosporium, Monochaetia, Mycosphaerella, Phomopsis, Phyllosticta, Rhizoctonia, Sphaeropsis, Taphrina
Euonymus	Cercospora, Colletotrichum, Gloeosporium, Marssonina, Ramularia, Septoria, Whetzelinia
Fatsia	Alternaria, Cercospora, Colletotrichum, Phyllosticta
Fern	Botrytis, Cercospora, Curvularia, Cylindrosporium, Glomerella, Phyllosticta, Taphrina
Ficus	Alternaria, Ascochyta, Cephalosporium, Cercospora, Cladosporium, Colletotrichum, Fusarium, Gloeosporium, Glomerella, Mycosphaerella, Phomopsis, Stemphylium
Fir (Abies)	Cephalosporium, Phomopsis, Sphaeropsis, Lophodermium, Melampsora
Fir, Douglas	Phaeocryptopus
Fir, Frasier	Phaeocryptopus
Firethorn	Fusarium, Fusicladium, Rhizoctonia
Fittonia	Rhizoctonia
Four-o'clock	Cercospora, Rhizoctonia
Fuchsia	Botrytis, Phomopsis, Septoria
Garden balsam (Lady's slipper)	Alternaria, Botrytis, Cercospora
Gardenia	Alternaria, Botrytis, Diaporthe, Mycosphaerella, Pestalotia, Phomopsis, Phyllosticta, Rhizoctonia
Geranium	Alternaria, Ascochyta, Bipolaris, Botrytis, Cercospora, Cylindrosporium, Helminthosporium, Puccinia, Ramularia, Rhizoctonia, Septoria, Uromyces, Venturia
Gladiolus†	Alternaria, Botrytis, Cladosporium, Curvularia, Rhizoctonia, Septoria, Stemphylium
Gloxinia	Botrytis, Colletotrichum
Gold dust tree	Gloeosporium, Glomerella, Pestalotia, Phyllosticta

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Plant	Pathogen controlled		
Gomphrena	Cercospora		
Gypsophila	Botrytis, Rhizoctonia		
Hawthorn	Cercospora, Cylindrosporium, Gloeosporium, Gymnosporangium, Monilinia, Mycosphaerella, Phyllosticta, Septoria, Venturia		
Hemlock, Eastern (Tsuga)	Botrytis, Cylindrosporium, Melampsora, Rhizoctonia		
Hibiscus	Alternaria, Cercospora, Colletotrichum, Fusarium, Phyllosticta		
Hickory	Cercospora, Cladosporium, Elsinoe, Fusarium, Gnomonia, Mycosphaerella, Pestalotia, Phyllosticta, Septoria		
Holly	Phyllosticta		
Hollyhock	Alternaria, Ascochyta, Cercospora, Colletotrichum, Puccinia, Septoria		
Honeysuckle	Alternaria, Cercospora, Gloeosporium, Herpobasidium, Phyllosticta		
Horse chestnut	See Buckeye		
Hydrangea	Ascochyta, Botrytis, Cercospora, Colletotrichum, Phyllosticta, Rhizoctonia, Septoria		
Impatiens	Cercospora, Phyllosticta, Rhizoctonia, Septoria		
Indian hawthorn	Entomosporium		
Iris	Ascochyta, Botrytis, Cladosporium, Fusarium, Kabatiella, Phyllosticta, Puccinia, Rhizoctonia		
lvy	Colletotrichum, Glomerella, Phyllosticta, Ramularia, Sphaeropsis, Cladosporium, Rhizoctonia		
Jade plant	Gloeosporium, Phomopsis		
Juniper	Cercospora, Coryneum, Gymnosporangium, Lophodermium, Pestalotia, Phomopsis, Stigmina		
Kalanchoe	Cercospora, Stemphylium		
Larkspur	See Delphinium		
Laurel, cherry	Alternaria, Cercospora, Coccomyces, Monilinia, Phyllosticta, Septoria		
Laurel, mountain	Cercospora, Mycosphaerella, Pestalotia, c Phomopsis, Rhytisma, Septoria		
Lavender, cotton	Septoría c		
Lilac	Botrytis, Cercospora, Cladosporium,		
Lily	Botrytis, Cercospora, Cladosporium, ((()) Colletotrichum, Fusarium, Puccinia, Ramularia, Rhizoctonia		

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Plant	Pathogen controlled	Plant	Pathogen controlled	
Lirope	Alternaria, Cercospora, Colletotrichum, Leptothyrium	Palm, king	Alternaria, Fusarium, Helminthosporium, Pestalotia, Phomopsis	
Lobelia	Botrytis, Cercospora, Puccinia, Rhizoctonia, Septoria	Rhizoctonia, Palm, Alternaria, Cercospora, Fusarium, Gloeosporium, Pestalotia, Phomopsis, Stigmina		
Loquat	Colletotrichum, Fusicladium, Pestalotia, Phyllosticta, Sentoria	Palm, queen	Glomerella, Septoria	
Magnolia	Alternaria, Cercospora, Cladosporium,	Palm, royal	Alternaria, Cercospora, Colletotrichum, Helminthosporium	
Mahonia	Colletotrichum, Glomerella, Rhizoctonia Cercospora, Cylindrocladium, Gloeosporium, Leptosphaeria, Phomopsis, Phyllosticta,	Palm, Washington	Cercospora, Colletotrichum, Cylindrocladium, Pestalotia, Phoma, Stigmina	
Maple	Puccinia Alternaria, Cercospora, Ciborinia, Fusarium, Marssonina, Monochaetia, Phomonsis	Pansy	Alternaria, Botrytis, Cercospora, Colletotrichum, Peronospora, Phyllosticta, Ramularia, Rhizoctonia	
Mountain ash	Phyllosticta, Rhizoctonia, Rhytisma, Septoria, Sphaeropsis, Taphrina, Venturia Gymnosporangium	ria Peach, Cercospora, Cladosporium, Coryneur Fusarium, Glomerella, Monilinia, Mycosphaerella, Phomopsis, Phyllost		
Myrtle	Cercospora, Glomerella, Pestalotia	Pear,	Alternaria, Botrytis, Cercospora,	
Narcissus	Botrytis, Sclerotinia	Unamentar	Fusarium, Glomerella, Gymnosporangium, Helminthosporium, Monilinia,	
Nasturtium	Botrytis, Cercospora, Puccinia		Mycosphaerella, Phomopsis, Phyllosticta, Venturia	
Nannyberry	Botrytis, Cercospora, Cladosporium, Helminthosporium, Monochaetia, Phomopsis, Phyllosticta, Ramularia	Peony	Alternaria, Botrytis, Cercospora, Cladosporium, Gloeosporium, Phyllosticta, Septoria	
Nephathytis	Cephalosporium	Peperomia Periwinkle	Colletotrichum, Gloeosporium, Rhizoctonia Alternaria, Botrytis, Cladosporium, Colletotrichum, Phomopsis, Phyllosticta	
Nicotiana	Alternaria		Puccinia, Rhizoctonia, Septoria	
Nierembergia	Botrytis	Petunia	Cercospora, Puccinia, Rhizoctonia, Stemphylium	
Oak	Cephalosporium, Cercospora, Cladosporium, Croportium, Elsipoa, Eusarium	Philodendron	Gloeosporium, Colletotrichum	
	Cronartium, Elsinoe, Fusarium, Gloeosporium, Gnomonia, Marssonina, Phyllosticta, Septoria, Taphrina, Venturia Ramularia, Stemphylium, V		Botrytis, Colletotrichum, Ascochyta, Cercospora, Phyllosticta, Puccinia, Septoria, Ramularia, Stemphylium, Volutella	
Orchid	Cercospora, Fusicladium, Mycosphaerella, Phyllosticta, Puccinia, Septoria	Photinia	Cercospora, Gloeosporium, Gymnosporangium, Lophodermium, Pestalotia, Phyllosticta, Septoria	
Osmantnus	Alternaria, Cercospora, Colletotrichum, Phyllosticta	Pieris	Alternaria, Pestalotia, Phyllosticta, Rhytisma	
Pachysandra	Cronartium, Gloeosporium, Phyllosticta, Septoria, Sphaeropsis, Volutella	Pilea	Alternaria, Botrytis, ercospora, Colletotrichum, Helminthosporium, Phyllosticta	
Palm, Areca	Alternaria, Cercospora, Colletotrichum, Phomopsis, Phyllosticta, Septoria	Pine, Norfolk Island	Botrytis, Colletotrichum, Cronartium, Cylindrocladium, Fusarium, Lophodermium, ^c Pestalotia, Rhizoctonia, Sentoria, Sirococcus	
Palms, Arenga	Cercospora, Colletotrichum, Cylindrocladium, Pestalotia, Phoma, Stigmina	Pine	Alternaria, Botrytis, Cronartium, Fusariųm, C	
Palm, cabbage	Fusarium, Gloeosporium, Pestalotia, Stigmina		Septoria, Sirococcus	
Palm, coconut	Pestalotia	Pittosporium	Alternaria, Cercospora, Gnomonia, Mycosphaerella, Phyllosticta, Rhizoctonia,	
Palm, date	Alternaria, Fusarium, Helminthosporium, Pestalotia		Septoria	
		Plane tree	Sentoria	

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Draft WingMan	Label
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Plant	Pathogen controlled
Plum, ornamental	Botrytis, Cercospora, Cladosporium, Coccomyces, Coryneum, Monilinia, Phyllosticta, Taphrina
Poinsettia††	Botrytis, Cercospora, Fusarium, Uromyces
Poplar	Cercospora, Ciborinia, Colletotrichum, Cylindrocladium, Fusarium, Marssonina, Melampsora, Mycosphaerella, Phyllosticta, Septoria, Stigmina, Taphrina, Venturia
Portulaca	Rhizoctonia
Pothos	Rhizoctonia
Prayer plant	Alternaria, Drechslera, Glomerella, Puccinia
Primrose	Alternaria, Botrytis, Colletotrichum, Mycosphaerella, Puccinia, Ramularia, Uromyces
Privet	Cercospora, Glomerella, Phomopsis, Phyllosticta, Ramularia
Protea	Botrytis
Pyracantha	Botrytis, Cercospora, Diplodia, Phomopsis, Phyllosticta, Sphaeropsis
Quince, flowering	Cercospora, Fabraea, Gymnosporangium, Septobasidium
Red cedar, western (Thuja)	Keithia (or Didymascella)
Red tip	See Photinía
Redwood, Sequoia	Botrytis, Cercospora, Mycosphaerella, Pestalotia, Phomopsis
Rhododendr on	Alternaria, Cercospora, Coryneum, Gloeosporium, Glomerella, Guignardia, Lophodermium, Mycosphaerella, Pestalotia, Phomopsis, Rhizoctonia, Septoria, Venturia
Rose	Alternaria, Bipolaris, Botryosphaeria, Botrytis, Cercospora, Cladosporium, Cylindrocladium, Diplocarpon, Elsinoe, Gloeosporium, Helminthosporium, Leptosphaeria, Monochaetia, Mycosphaerella, Peronospora, Phyllosticta, Septoria
Rosemary	Rhizoctonia
Russian olive	Cercospora, Colletotrichum
Sage	Cercospora, Peronospora, Puccinia, Ramularia, Rhizoctonia
Salvia	Cercospora, Puccinia
Santolina	Botrytis
Senecio	Cercospora, Gloeosporium, Phyllosticta, Puccinia, Ramularia, Septoria

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Plant	Pathogen controlled
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Schefflera	Alternaria
Snakeplant	Fusarium, Gloeosporium
Snapdragon	Alternaria, Bipolaris, Botrytis, Cercospora, Colletotrichum, Drechslera, Fusarium, Helminthosporium, Peronospora, Phyllosticta, Puccinia, Rhizoctonia
Spathiphyllu m	Alternaria
	· · · · · · · · · · · · · · · · · · ·
Spindletree	See Euonymus
Spirea	Cylindrosporium
Spruce	Ascochyta, Botrytis, Cladosporium, Lophodermium, Rhizoctonia
Spurge	Cercospora, Melampsora, Puccinia
Statice	Alternaria, Ascochyta, Botrytis, Cercospora, Colletotrichum, Rhizoctonia, Uromyces
Strawflower	Fusarium
Sumac	Cercospora, Cladosporium, Fusarium, Phyllosticta, Septoria, Taphrina
Sunflower, ornamental	Alternaria, Puccinia
Syngonium	Cephalosporium, Erwinia, Fusarium

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Plant	Pathogen controlled				
Tulip	Botrytis				
Venus flytrap	Colletotrichum				
Verbena	Alternaria, Ascochyta, Botrytis, Cercospora, Phyllosticta, Septoria, Puccinia, Rhizoctonia, Septoria, Stemphylium				
Viburnum	Botrytis, Phomopsis, Cercospora, Helminthosporium, Monochaetia, Ramularia, Cladosporium				
Walnut	Cercospora, Cladosporium, Cylindrocladium, Cylindrosporium, Gnomonia				
Willow	Ascochyta, Cercospora, Ciborinia, Cylindrosporium, Fusicladium, Gloeosporium, Marssonina, Melampsora, Phomopsis, Phyllosticta, Ramularia, Rhytisma, Septoria, Taphrina, Venturia				
Wisteria	Alternaria, Cercospora, Colletotrichum, Gloeosporium, Pestalotia				
Yucca	Cercospora, Cylindrosporium, Gloeosporium, Puccinia				
Zebra plant	Alternaria, Cercospora, Colletotrichum				
Zinnia	Alternaria, Botrytis, Cercospora, Rhizoctonia				

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† Do not exceed 0.75 lb per 100 gallons on flower spikes.
†† Do not exceed 1.5 lb per 100 gallons.
This product is not recommended for the treatment of marigolds due to highly variable plant responses

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CHRISTMAS TREES: PLANTATIONS AND NURSERIES

Aerial application: Apply 1 to 2 lb. per acre using a minimum rate of 10 gallons of spray per acre during aerial application.

Application of dilute sprays: Apply as thorough coverage spray using 1 to 2 lb. per acre or 1 to 2 lbs. per 100 gallons of water.

Begin application at first sign of disease and repeat every 7 to 10 days. Use the shortest spray interval during periods of frequent rain, when severe disease conditions persist or during periods of rapid plant growth. This product may be used alone or in combination with other fungicides.

Use Site	Pathogen controlled	Application rate (lb./acre or lb./100 gals.)		
Christmas trees, including fir, spruce, pine	Ascochyta, Alternaria, Botrytis, Cephalosporium, Cladosporium, Cronartium, Fusarium, Lophodermium, Melampsora, Monchaetia, Phomopsis, Rhizoctonia, Septoria, Sirococcus, Sphaeropsis	1 to 2 lb. per acre or 1 to 2 lb. per 100 gallons, make applications at 7 to 10 day intervals		

GRASSES: SODFARMS, TURF USES

For use on sod farms, golf courses, professionally managed college and professional sports fields, industrial and commercial lawns. Applications are restricted to non-residential turf grasses by professional applicators. Not for homeowner use. For sod farm applications, follow provisions within the Agricultural Use Requirements Box. For turf uses, follow provisions within the Non-Agricultural Use Requirements Box.



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CROP	DISEASE/PEST	RATE	TIMING INTERVAL	GRAZING/ FEEDING	COMMENTS	
	Algae	6 oz. in 3 to 5	Begin when algae	Do not graze treated	Do not use on established	
vvPS use): Agricultural Use		gai./1000 sq. π.;	Repeat at 7-day	areas or feed	residential lawns.	
Requirements		220 gals./acre	intervals as long as	livestock.	do not harvest sod for 5 days	
Зох			condition persists.			
	Copper Spot	4 to 8 oz in 3 to 5	Begin application		Do not use on grasses	
	(Gloeocercospora	gals./1000 sq. ft.;	when disease		grown to bood.	
	sorghi)	11-22 lbs. in 130-	appears. Repeat at			
urf grasses		220 gais./acre	/-day intervals as		intended for grasses	
Non-WPS uses):	(Fusarium Blight	4 to 8 oz. in 3 to 5	persists.		range or pasture grasses.	
Ion-Agricultural	(Fusarium spp.)	gals./1000 sq. ft.;				
Jse Requirements		11 - 22 lbs. in 130			When conditions are	
Box		- 220 gais./acie+			unusually favorable for	
	Gray Leaf Spot	8 oz. in 3 to 5			disease, use 6 - 8 ozs./ 1000	
	(Pyricularia grisea)	gals./1000 sq. ft.;			sq. π.; 16 - 22 IDS./acre and reduce intervals to 3 to 5	
Examples		220 gals./acre			days.	
nclude: Golf						
ourses, professional	Red Thread	4 to 8 oz. in 3 to 5				
pplications to:	fuciformis)	11 - 22 lbs. in				
ndustrial (office		130-220				
bark) and		gals./acre				
nunicipal tawns.	Slime Mold	4 to 8 oz in 3 to 5				
	(Mucilago,	gals./1000 sq. ft.;				
	Physarum,	11 - 22 lbs. in 130				
	Fuligo)	- 220 gals./acre				
	Dollar Spot	6 to 8 oz. in 3 to 5				
	(Sclerotinia	gals./1000 sq. ft.;				
	nomiocarpa)	- 220 gais /acre				
	Pythium Blight	8 oz. in 3 to 5	Repeat at 5-day			
	(Fyuuun sp.)	22 lb in 130 - 220	frequently if			
		gals./acre	conditions are			
			favorable for disease			
	Fusarium Snow	6 to 8 oz. in 3 to 5	Apply at 2 to 6 week			
	Mold	gals./1000 sq. ft.;	intervals during			
		16 - 22 lbs. in 130	winter			
		- 220 gais./acie		1		
	Leaf Spot	4 oz. in 3 to 5	Begin when disease	1		
	(Helminthosporium	gals./1000 sq. ft.;	appears. Repeat at			
	spp.) Rhizoctonia solani	220 gals	/-day intervals as		C L L L	
	Brown Patch		persists		(((((((((((((((((((
	Loof Punt	4 07 10 240 5	Pogin when discort		((
	Lear Rust	4 0Z. IN 3 to 5	begin when disease threatens Repeat at			
	Stripe Rust	11 lbs in 130 -	7 to 10-day intervals		c	
]	220 gals.	as long as disease		· c c	
			persists.		ίιιίι ί	
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