

58185-30

5/13/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

58185-30

Date of Issuance:

MAY 13 2010

Terms of Issuance:

Unconditional

Name of Pesticide Product:

FUNGO 50 WSB
WETTABLE POWDER
TURF & ORNAMENTAL

NOTICE OF PESTICIDE:

Registration
XX Reregistration
under FIFRA, as amended

Name and Address of Registrant (include ZIP Code):

Scotts Sierra Crop Protection Company
14111 Scottlawn Road
Marysville, OH 43041

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

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

Based on your responses to the thiophanate-methyl Reregistration Eligibility Documents, EPA has reregistered the product listed above provided that the following changes are made to the label (15.DEC.2009):

- 1. On page 3 under DIRECTIONS FOR USE change "For use only by certified..." to "Intended for use only by certified..."
2. On page 13 in the Note immediately above the header PREPLANT/POST HARVEST DIPS change "spathiphlli" to "spathiphylli"
3. On page 16 under Pink Snow Mold change "A second application at 14 days...with PCNB." to "A second application may be applied after 14 days." [Note: PCNB is no longer approved for turf applications.]

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Signature of Approving Official:

Lisa Jones FOR

Shaja B. Joyner, Product Manager (20)
Fungicide Branch, Registration Division

Date:

MAY 13 2010

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Notice of Pesticide Reregistration
FUNGO 50 WSB WETTABLE POWDER TURF & ORNAMENTAL
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4. On page 17 in the note under **Summer Patch** change “allowable” to “specified”

This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

A copy of your label stamped “Accepted with Comments” is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

Shaja B. Joyner
Product Manager (20)
Fungicide Branch
Registration Division (7504P)

Enclosure:

Label stamped “Accepted with Comments”
Label review memo dated 7/29/08
Product Chemistry Review DP354802 dated 7/24/08
Product Chemistry Review DP348435 dated 1/25/08
Product Chemistry Review DP345548 dated 12/4/07
Acute toxicity review DP345549 dated 10/17/07

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[Bracketed information is optional text.]

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Note to PM: Supplemental Labeling

Master Label

EPA Reg. No. 58185-30

Fungo 50 WSB

Wettable Powder Turf & Ornamental Systemic Fungicide

**Broad Spectrum Systemic Fungicide for Superior Control of
Most Key Turf and Ornamental Diseases**

- Broad spectrum:
 - controls 27 key ornamental diseases.
 - controls 11 key turf diseases.
 - Controls ornamental pathogen species in 47 fungal genera.
- Contains Thiophanate-Methyl, a substitute for Benlate.
- Labeled for greenhouse, turf, nursery, landscape, interiorscape and field use on a wide variety of plants.
- Apply by foliar spray, drench, or dip.
- Long lasting systemic activity.
- Can be tank mixed with many plant protection products.

PACKAGING

Unit Size:

X x X oz. pouch

Units Per Case: X

STOCK #XXXXX

[See next page for label information.]

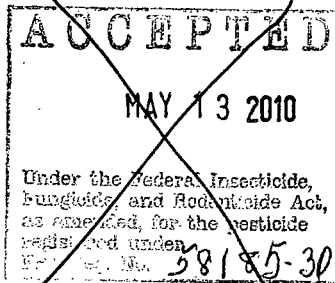
Manufactured for [by]:
Scotts-Sierra Crop Protection Company
14111 Scottslawn Road · Marysville, OH 43041

**If you have any questions regarding the use of this product,
call TOLL FREE 1-800-492-8255**

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

MAY 13 2010

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
58185-30**



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Note to PM: FRONT PANEL

GROUP 1 FUNGICIDE

Fungo 50 WSB

Wettable Powder Turf & Ornamental Systemic Fungicide

ABN: AllBan™ 50 WSB

Controls a broad spectrum of diseases of containerized woody shrubs and trees, herbaceous, bedding, flowering and tropical foliage plants, shrubs, trees and flowers in the landscape, interiorscape, greenhouse, slat and saran house, nursery and diseases of turfgrasses.

ACTIVE INGREDIENT:

Thiophanate-Methyl† 50%

OTHER INGREDIENTS: 50%

Total 100%

†CAS #23564-05-8

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

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NET WEIGHT: X lb (XXX g)

(X x X oz. WSB per pouch)

EPA Est. 67545-AZ-001

Product of U.S.A.

DO NOT REMOVE PACKAGES FROM CONTAINER EXCEPT FOR IMMEDIATE USE

FIRST AID

IF SWALLOWED: Call a poison control center 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 ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also call 1-877-561-6584 for emergency medical assistance

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers supporting dip treatment must wear:

- Coveralls over long sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical resistant footwear plus socks, and
- Chemical-resistant apron

All other mixers, loaders, applicators and handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment

USER SAFETY REQUIREMENTS

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering Controls:

Water soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using water soluble packets must:

- wear the personal protective equipment required above for mixers/loaders, and
- be provided and must have immediately available for use in an emergency – such as a broken package, spill, or equipment breakdown – coveralls and chemical resistant footwear.

When handlers use enclosed cabs 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.

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USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

For use only by certified applicators or those under their immediate supervision. Do not apply with fixed wing or rotary aircraft. Do not apply to home orchards/backyard fruit trees after fruit set.

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 12 hours.

Exemption: If the product is applied by drenching, 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.

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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 over long sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks, and
- Chemical-resistant headgear for overhead exposures

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.

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

Chemigation Information

Chemigation is prohibited in the State of California.

INTRODUCTION

Pesticide labels contain Directions for Use that are necessary for effecting the purpose for which the product is intended. Further, they protect health and the environment from risks of pesticide contamination of ground water and decrease direct human exposure to pesticide-treated irrigation water.

Apply this product only through pressurized drench (flood), sprinkler or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Pesticide supply tanks are recommended for the application of Fungo 50 WSB Wettable Powder Turf and Ornamental Systemic Fungicide. See label instructions for use rates and application timing. Agitate continuously during application.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop 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 any 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.

Should the need arise, 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.

Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.
- 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.
- 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 interlocked 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.
- 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.

Sprinkler Chemigation

- 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.
- 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.
- 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.
- Irrigate the crop prior to applying Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide in order to ensure even moisture content over the entire crop.

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- Apply Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide at the appropriate concentration for the crop and disease(s) targeted.
- Referring to the rate information contained in this label, apply the appropriate volume of fungicide solution to the crop.
- Upon completing the application of the appropriate volume of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide, allow the irrigation system to run long enough to flush the irrigation lines clear of fungicide solution. Do not apply more clear water than is necessary to flush the lines or poor disease control may result.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip (Trickle) Chemigation

- 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.
- 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.
- 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.

GENERAL INFORMATION

Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide provides broad spectrum disease control on containerized woody, flowering, herbaceous, and tropical foliage ornamental plants, trees, ornamentals in the plantscape, and turfgrasses.

Do not apply when wind speed favors drift beyond the area intended for treatment.

This canister/bag contains four 8 ounce Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide water soluble bags.

Add 2/3 of the required amount of water to the spray or mixing tank. With agitator running, place required amount of unopened water soluble bags into the partially filled sprayer-tank or closed-system mix tank. Keep agitated to insure even suspension of material. Make fresh daily. Spray uniformly over the area to be treated with a boom type or other power sprayer.

Do not handle water soluble bags for longer than required to place into sprayer tank. Do not expose water soluble bags to moisture.

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Apply Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide with ground equipment, using sufficient volume of spray to provide thorough coverage. Do not tank mix with copper containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher concentration or rates under conditions of severe disease pressure or when application intervals are shorter than 14 days due to persistent rainfall. Also, see local State Extension Service Recommendations for application schedules.

IMPORTANT: If, after using Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide as specified, treatment is not effective, a tolerant strain of fungus may be present. Consult your local Scotts representative or distributor, your State Agricultural Experiment Station or your State Agricultural Extension Service for advice on the prompt use of some other labeled fungicide.

Resistance Management Recommendations

Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide contains a Group 1 fungicide. Fungal isolates with acquired resistance to Group 1 may eventually dominate the fungal population if Group 1 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide or other Group 1 fungicides.

To delay fungicide resistance consider:

- Avoiding the consecutive use of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide, or other target site of action Group 1 fungicides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

For further information or to report suspected resistance, you may contact Scotts at 800-492-8255 or at www.scottsprohort.com.

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**HORTICULTURAL APPLICATIONS
GREENHOUSE, SLAT AND SARAN HOUSES, NURSERY, LANDSCAPE AND
INTERIORSCAPE.**

Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide is broad spectrum in activity, controlling foliar, stem and below ground diseases on a wide range of horticultural plants grown or maintained under a wide variety of conditions. Begin foliar applications 14 to 21 days prior to when a particular disease usually appears, and at the very latest, upon first signs of disease. Usual spray intervals range from 7 to 14 days, the latter as preventative and the former under times when conditions are judged acceptable for disease development. With hard to wet plant foliage (such as foliage with waxy surfaces), an acceptable wetting agent added to the spray tank according to label may increase product efficacy. Where excessive and repeated foliar wetting occurs, use of a spreader-sticker is suggested at labeled concentration. Where previously untested adjuvants with Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide are considered, follow the trial suggestions under the "Note Concerning Adjuvants" below before full scale use.

Do not use fruit, nuts or sap from treated trees as food or feed.

NOTE: Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide has been determined to be safe for use on the plant types listed in these directions based on cumulative data derived from research product trials and historical field use. Since all species and cultivars have not been tested, it is suggested that trial applications be performed if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for a disease that is listed on the label. To at least 25 trial plants, make at least two applications at the highest concentration 7 days apart and evaluate 7 days after the last application before initiating full scale application. Do not apply more than 6 lb product per acre (0.14 lb/1,000 sq. ft.) per single application. Do not apply more often than once every four days. Do not apply more than 546 lb product per acre (12.74 lb/1,000 sq. ft) per year. Maximum rate for cut flowers is 0.5 lb a.i./acre/application. This product is not recommended for the following plants: *Nephrolepis exaltata*, *Plectranthus australis*, and *Hatiora gaertneri*.

<u>PLANT TYPE</u>	<u>such as but not limited to</u>
Herbaceous Bedding	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhododendron, Rose, Pyracantha

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Evergreen Trees Douglas Fir, Fir, Larch, Pine, Spruce

PLANT TYPE **such as but not limited to**
Deciduous Trees¹ Ash, London Plane, Maple, Oak, Sycamore, Walnut

Flowering Trees¹ Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

¹Note: Do not apply to home orchards/backyard fruit trees after fruit set.

FOLIAR SPRAY APPLICATIONS

Hydraulic Application Mixing Instructions

Add the required amount of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide to a partially filled spray tank agitated by mechanical or hydraulic means and then add remaining amount of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment.

Application Concentrations (Mechanical or Hand Held):

Use the specified amount of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide per 100 gallons of water for the prevention and control of the diseases shown below.

FOLIAR DISEASES
Diseases/Pathogens
Controlled

Concentration of
Fungo 50 WSB Wettable
Powder Turf & Ornamental
Systemic Fungicide
oz./100 gal.*

Anthracnose
Colletotrichum

Apply as buds break or at first sign of disease.
Repeat at 7-14 day intervals as needed 12-16
during disease period.

Black Spot of Rose
Diplocarpon rosae

Apply early summer or at first sign of disease. 12-16
Repeat every 7-14 days as needed during disease
period.

Brown Rot and Blight
Monilinia. Sclerotinia. Whetzellinia

Apply late Spring or at first sign of disease. Repeat 12-16
every 7-14 days as needed during disease period.

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FOLIAR DISEASES
Diseases/Pathogens
Controlled

Concentration of
Fungo 50 WSB Wettable
Powder Turf & Ornamental
Systemic Fungicide
oz./100 gal.*

Fusicladium and Venturia Leaf Scabs on:
Crabapple, Hawthorn, Pear, Mountain Ash,
Pyracantha, etc.

Apply as buds break. Repeat every 7-14 days
during disease period. Effective control requires
coverage during expansion. Rotations with
chloronhalonil or propiconazole can be utilized.

12-16

Leaf Spots and Blights caused by:
Ascochyta, Blumeriella, Botrytis, Cercospora,
Coccomyces, Corynespora, Curvularia, Didymellina,
Entomosporium, Fabraea, Fusarium, Ramularia,
Rhizoctonia, Marssonina, Mycosphaerella,
Myrothecium, Phoma, Physalospora, Schizothyrium,
Septoria, Sphaeloma

12-16

Apply when disease symptoms first appear. Repeat
every 7-14 days during disease period. Rotations
with chlorothalonil can be utilized.

Ovulinia Blight

Apply as flowers open. Repeat every 7-14 days
during disease period.

8-16

Powdery Mildews

Erysiphe, Microsphaera, Phyllactinia, Podosphaera,
Oidium, Sphaerotheca

8-16

Apply when disease first appears and repeat every
7-14 days. Rotations with other effective products
are recommended.

Rust Diseases caused by:

Puccinia, Gymnosporangium, Uromyces

Apply late Spring or when symptoms first appear.
Repeat every 7-14 days during disease period.
Rotations with other effective products are
recommended.

12-16

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**FOLIAR DISEASES
Diseases/Pathogens
Controlled**

**Concentration of
Fungo 50 WSB Wettable
Powder Turf & Ornamental
Systemic Fungicide
oz./100 gal.***

Tip Blight of Pine

Sphaeropsis sapinea, Diplodia pinea

Begin application in Spring when new growth starts. Make a second application just before needles emerge from the sheath and a third application 7 days later. Thorough coverage is essential for optimal disease control.

12-16

Twig Blights, Cankers, and Diebacks

Diaporthe, Kabatina, Phoma, Phomopsis

Apply when symptoms first appear. Repeat every 7-14 days during disease period.

16-32

*For California foliar applications use the highest labeled concentration except for Ovulinia Blight and Powdery Mildews, use the lowest labeled concentration. For Twig Blights, Cankers and Diebacks use 24 to 32 ounce concentration.

Note Concerning Adjuvants: In situations where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use instead a compatible wetting agent. Follow the phytotoxicity precautions stated previously under "Horticultural Applications" note.

SOIL DRENCH APPLICATIONS

Mixing Instructions: Add required amount of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide to partially filled tank agitated by mechanical or hydraulic means. Then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension.

Application Rates and Timing for Disease Control: Use 8 to 16 ounces of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide per 100 gallons of water. Apply as a heavy spray or drench at the rate of 1/2 to 2 pints per square foot (100 gallons per 1,600 to 400 square feet). For shallow flats and small pots up to 4 inch size, use 8 ounces/100 gallons applied at 1 pint per square foot. For pots and containers 4 inches or larger, refer to following table for the volume to apply. Applications may be repeated at 4 to 8 week intervals, the frequency depending upon presence of disease and optimum conditions for disease development.

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Container Type	Volume to Apply/Container	
	@ 1 pt./ft. ² Rate	@2 pt./ft. ² Rate
4 inch	2 fl. oz	
5 inch	2½ fl. oz	
6 inch		6½ fl. oz.
7 inch		8½ fl. oz.
8 inch		11 fl. oz
9 inch		14 fl. oz.
10 inch		17½ fl. oz.

Above 10 inch in nursery container production, a drench volume of 2½ to 3 pints per square foot of surface area may be required.

Plant Types: containerized woody shrubs, trees, herbaceous/bedding, flowering, and tropical foliage plants and flowers and bedding plants in the landscape.

Note: Application of this product to plug trays or seeding flats **at time of seeding** is not recommended.

Soil Diseases Controlled: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia and Thielaviopsis.

Note: Pythium, Phytophthora and Cylindrocladium spathiphlli are not controlled by Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide.

PREPLANT/POST HARVEST DIPS

Do not use fruit, nuts or sap from treated trees as food or feed.

Mixing Instructions: Mix as previously instructed for foliar spray and drench applications. Keep solution in agitation.

Application Concentration and Dipping Time

Plants or Cuttings – Use 12 to 16 ounces of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide per 100 gallons of water. Immerse plants or cuttings for 10 to 15 minutes, remove and allow to drain and preferably dry. Wear clothing outlined in “PPE Requirements” for applicators and other handlers.

Bulbs, Corms, Tubers and Rhizomes¹ – Use 16 to 32 ounces of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide per 100 gallons of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80-85 degrees F) preferably within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat-cured.

¹For California applications use 24-32 ounces of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide per 100 gallons of water.

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Plant Types: Propagated units of woody herbaceous, flowering and tropical foliage plants. Bulbs, corms, tubers, and rhizomes of plants such as but not limited to Caladium, Easter Lily, Tulip, Gladiolus, Daffodil, Iris.

Diseases Controlled: Botrytis, Cythrociladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis.

INTERIORSCAPE AND PLANTSCAPE USE

Spray Application: Mix well before spraying. It is important to assure complete coverage by spraying foliage to runoff, thoroughly wetting upper and lower leaf surfaces. Use concentrations specified under "Ornamentals" for foliar, twig and drench application. When applied in public areas, use a coarse, low pressure spray. Apply during non-business hours or cordon off area during spraying and until spray has dried. Avoid spraying wall coverings, plastic (vinyl) surfaces, drapes, carpets, and upholstery.

TURF APPLICATIONS

Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide is a fungicide with broad spectrum activity against certain foliar and soil diseases for use on all turf types such as golf course greens, tees and fairways, athletic fields, cemeteries, parks, and commercial and home lawns. Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide can be used both preventatively and curatively and is not phytotoxic when used as directed.

Mixing Instructions: Add required amount of Fungo 50 WSB Wettable Powder Turf & Ornamental Systemic Fungicide to partially filled tank agitated by mechanical or hydraulic means. Then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results use spray mixture the same day it is prepared.

Turf Types: All cool season and warm season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses, and Zoysiagrasses) or their mixtures.

Turf Application Directions: Spray uniformly over the area to be treated with a properly calibrated power sprayer.

Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage, usually 1-1/2 to 2-1/2 gallons per 1,000 square feet of turf area. Always treat aprons and approaches to golf greens.

USE SITES AND MAXIMUM APPLICATION RATES

Site	Maximum Single Application Rate	Maximum Seasonal Application Rate		Minimum Retreatment Interval
	oz. product/1000 sq. ft.	oz. product/1000 sq. ft./year	lb ai/acre/year	Days
Golf Course Greens, Tees and Aprons	6	16	21.8	14
Golf Course Fairways (Except Florida)	4	4	5.44	N/A
Golf Course Fairways (Florida Only)	2	2	2.72	N/A
Residential and Public Areas (such as home lawns, parks, athletic fields, schools, day care centers)	2	8	10.9	14

TURF DISEASES

**Disease(s)
Controlled**

**Rate of Fungo 50 WSB
Wettable Powder Turf &
Ornamental System Fungicide
oz./1,000 sq. ft****

Anthracnose – Foliar (*Colletotricum graminicola*) 2-4*
 Apply when disease first appears. Continue at 14 day intervals as needed. Spray should dry on leaves with no “watering in.”
 *Note: Use 4-6 oz. rate for curative response to Basal Stem Anthracnose.

Bentgrass Dead Spot (*Ophiosphaerella agrostis*) 4-6
 Apply in summer when symptoms first appear and repeat at 14-day intervals for suppression.

Bermudagrass Decline (*Gaeumannomyces graminis* var. *graminis*) and 4-6
Take-All-Patch (*Gaeumannomyces graminis* var. *avenae*)
 Apply in summer when symptoms first appear and repeat at 14-day intervals for suppression. Use high rates during severe disease pressure.

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TURF DISEASES
Disease(s)
Controlled

Rate of Fungo 50 WSB
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Ornamental System Fungicide
oz./1,000 sq. ft**

Coprinus Snow Mold (*Coprinus psychromorbidus*) 4-6
Make 2 applications at 21-day intervals in late fall or early winter. Make second application just prior to first permanent snow cover.

Dollar Spot (*Scierotinia homoeocarpa*), 2-4
Copper Spot (*Gloeocerospora sorghi*),
Brown Patch and Zoysia Patch (*Rhizoctonia solani*),
Fusarium Patch (*Fusarium nivale*),
Ascochyta Leaf Blight (*Ascochyta*), and
Red Thread (*Laetisaria fusiformis*)
Apply when disease first appears. Continue at 14 day intervals as needed. Spray should dry on leaves with no "watering in."

Fusarium Blight (*Fusarium spp.*), 4-6
Necrotic Ring Spot and Spring Dead Spot
(*Leptosphaeria korrae*), and
Cool Season Brown Patch (*Rhizoctonia cerealis*)
Apply two applications at 14 day intervals beginning when disease first appears.

Gray Leaf Spot (*Pyricularia grisea*) 4-6
Apply when conditions are favorable for disease development. Continue at 14 day intervals. Spray should dry on leaves with no "watering in."

Leafspot (*Drechslera*) and 4-6
Leaf, Crown & Root Diseases
(*Bipolaris*, *Curvularia*, *Exserohilum*)
Apply when disease first appears and repeat applications at 14-day intervals as needed. Rotation and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb are recommended under severe disease conditions.

Pink Snow Mold (*Microdochium nivale*) 2-4
(Only in areas where snow cover is not present the entire winter)
Apply middle-late November before turf has stopped all growth activity. Lightly water application into the root zone for best results. A second application at 14 days may be used in combination with PCNB. Second spray should dry on leaf surfaces with no "watering in."

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TURF DISEASES

**Rate of Fungo 50 WSB
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Ornamental System Fungicide
oz./1,000 sq. ft****

Rust Disease (*Puccinia, Uromyces*) 4-6
Make applications at 14-day intervals when disease first appears. Rotations and/or tank mix combinations with chlorothalonil or mancozeb are recommended.

Stripe Smut (*Ustilago striiformis*) 4-6
Make two applications at 14 day intervals when disease first appears. Water material into root zone after application. For prevention, apply in spring (just before grass begins growth), and fall.

Summer Patch (*Magnaportha poae*) 4-6
For prevention, apply 3 applications beginning early May using 21 day intervals. Water material into root zone thoroughly after application. For suppression, apply two applications at 14 day intervals beginning when disease first appears.

**Refer to "Use Sites and Maximum Application Rates" to determine allowable rates for each application site.

NOTE TO USER: Do not graze animals on treated turf. Do not feed clippings to livestock or poultry. Do not apply with fixed wing or rotary aircraft.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

DISCLAIMER AND LIMITATION OF LIABILITY

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By using this product, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

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