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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
58185-30

Date of Issuance:
JAN 27 1994

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Conditional

(under FIFRA, as amended)

Name of Pesticide Product: Fungo 50
WSB Wettable Powder
Turf and Ornamental
Systemic Fungicide

Name and Address of Registrant (include ZIP Code):

Grace-Sierra Crop Protection Company
1001 Yosemite Drive
Milpitas, CA 95035

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

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Revise the label by adding the phrase "EPA Registration No. 58185-30".

3. Submit five copies of the final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Date:

JAN 27 1994

FUNGO® 50 WSB

WETTABLE POWDER TURF AND ORNAMENTAL SYSTEMIC FUNGICIDE IN WATER SOLUBLE BAGS

ACTIVE INGREDIENT:

Dimethyl (1,2-phenylene)bis (iminocarbonothioyl)bis
(carbamate)* 50%

INERT INGREDIENTS:..... 50%

Total..... 100%

*Licensed under U.S. Patent Nos. 3,260,588 and 3,260,725.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

STORAGE AND DISPOSAL

STORAGE: Do not store at a temperature exceeding 122°F (50°C). Store in a dry place in a well-closed container. Do not allow to become wet or overheated in storage. This may cause chemical changes which will impair fungicidal effectiveness of Fungo 50 WSB and may also generate flammable vapors. Handle container carefully when stored at temperatures of less than 50°F to avoid breakage of inner water soluble bags.

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.

CONTAINER DISPOSAL: Do not reuse container. 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.

IF IN EYES: Flush eyes with water for 15 minutes. Get medical attention.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Wash off with soap and water. Remove contaminated clothing, and wash before reuse.

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

**DO NOT REMOVE PACKAGES FROM CONTAINER
EXCEPT FOR IMMEDIATE USE**

**EPA Registration No. 58185-30
EPA Establishment No. 33967-NJ-1**

GRACE SIERRA

Grace-Sierra Crop Protection Company • 1001 Yosemite Drive, Milpitas, CA 95035

**NET WEIGHT: 2 LB
(4 x 8 oz Water Soluble Bags)**

ACCEPTED
with COMMENTS
in EPA Letter Dated
JAN 27 1994

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

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

CAUTION: In case of contact, immediately flush eyes or skin with water. Get medical attention if irritation persists. May be harmful if swallowed or inhaled. Avoid breathing dust or spray mist. Do not contaminate feed or food.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Follow 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 clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: THIS PESTICIDE IS TOXIC TO FISH. 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 apply where runoff is likely to occur. Do not contaminate water by disposal 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 through any type of irrigation system.

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.

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
- Waterproof gloves
- 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."

-- Keep children and pets off treated area until dry or material has washed into soil.

GENERAL INFORMATION

This pouch contains four FUNGO 50 WSB 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 agitator 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.

BEST AVAILABLE COPY

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

I. TURF

FUNGO 50 WSB is a wettable powder for use on golf course greens, tees, fairways and lawns of Bentgrasses, Bluegrasses, Fescues, Bermudagrasses, Ryegrasses, St. Augustine grass or their mixtures to be used for the prevention and control of the below mentioned diseases.

Apply after mowing or avoid mowing for 12 hours after application. Apply in sufficient water to obtain thorough coverage, usually 1 1/2 to 2 1/2 gal per 1000 sq. ft. of turf area. Always treat aprons and approaches to golf greens. Under conditions of severe disease, apply every 5 to 7 days. **Note to user:** Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

NOTE: For the following diseases, the spray should dry on the leaves, with no "watering in."

ANTHRACNOSE (*Colletotricum graminicola*), **DOLLAR SPOT** (*Sclerotinia homeocarpa*) - Use one 8 oz. bag per 8000 sq. ft. beginning when the disease first appears and continue at 10 to 14 day intervals as needed. As a curative, where preventive schedule is not followed, use one 8 oz. bag per 4000 sq. ft.

COPPER SPOT (*Gloeocercospora sorghi*), **LARGE BROWN PATCH** (*Rhizoctonia solani*), **RED THREAD** (*Corticium fuciforme*), **FUSARIUM PATCH** (*Fusarium nivale*) - Use one 8 oz. bag per 4000 sq. ft. beginning when the disease first appears and continue at 10 to 14 day intervals. Re-treat at 5 to 7 day intervals under severe disease conditions.

NOTE: For the following diseases, "watering in" is required:

FUSARIUM BLIGHT (*Fusarium roseum*) **NECROTIC RING SPOT** (*Leptosphaeria korrae*), and **SUMMER PATCH** (*Phialophora graminicola*) - Use 8 or 16 oz. (1 or 2 bags) per 2000 sq. ft. Water into root zone by irrigating thoroughly immediately after application. Apply two applications at 10-14 day intervals, beginning application when the disease first appears.

STRIPE SMUT (*Ustilago striiformis*) - Use 8 or 16 oz. (1 or 2 bags) per 2000 sq. ft. Water into the root zone thoroughly immediately after application. Apply in October or early spring just before grass begins growth.

II. ORNAMENTALS - FOR FIELD USE

FUNGO 50 WSB is a broad spectrum systemic fungicide which controls a variety of diseases on woody and herbaceous ornamental crops.

Apply **FUNGO** with ground or aerial 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 rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

IMPORTANT: If, after using **FUNGO** as recommended, treatment is not effective, a tolerant strain of fungi may be present. Consult your local Grace-Sierra representative or distributor, your State Agricultural Experiment Station or your State Agricultural Extension Service for advice on the prompt use of some other suitable fungicide.

Do not use fruit or nuts for food or feed purposes.

FOLIAR SPRAY

PLANT TYPES AND DISEASES CONTROLLED:

PLANT TYPES	DISEASE(S) CONTROLLED
Woody and ornamental shade trees ¹	Anthracnose
Herbaceous ornamentals	Ascochyta Blight, Ramularia Leaf Spot
Roses	Black Spot
Woody and herbaceous ornamentals	Botrytis (Gray Mold), Cercospora Leaf Spot, Entomosporium Leaf Spot, Phomopsis Blight, Powdery Mildew, Septoria Leaf Spots
Ornamental nut and fruit trees (Almond, Apple, Apricot, Cherry, Nectarine, Peach, Pecan, Plum, Prune)	Powdery Mildew, Ramularia Leaf Spot
Ligustrum	Corynespora Leaf Spot
Iris	Didymellina Leaf Spot
Azalea, Rhododendron	<i>Ovulinia</i> sp.
Pyracantha, Flowering Crab	Scab
Shade and ornamental trees ^{1,2}	Diplodia Tip Blight

KEY TO NOTES:

¹Begin at bud break and make 2 or 3 additional applications at 10 to 14 day intervals.

²Begin treatment as flowers open.

FOLIAR SPRAY - HYDRAULIC APPLICATION

Mixing Instructions: Add required amount of **FUNGO** to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment. Apply until leaves glisten, but not to point of runoff.

Application Rates and Timing for Disease Control: Begin applications when disease first appears and repeat at 10 to 14 day intervals during the growing

season. Shorten the interval during humid, rainy weather.

Ground Application - Use two or three 8-oz. bags of FUNGO per 100 gallons of water. For control of *Phomopsis sp.* on Juniper, use four 8-oz bags.

Aerial Application - Use two or three 8-oz bags of FUNGO per acre.

DRENCH - PLANT TYPES AND DISEASES CONTROLLED:

PLANT TYPES	DISEASE(S) CONTROLLED
Herbaceous annuals, perennials and bedding plants	Botrytis (Gray Mold), Fusarium, Rhizoctonia, Sclerotinia Stem, Crown and Root Rots
Woody ornamentals (such as Azaleas, Rhododendrons, Conifers, Poinsettias)	Cylindrocladium rot, Thielaviopsis Rot

NOTE: FUNGO does not control *Pythium spp.*, *Phytophthora spp.* or *Cylindrocladium spathiphylli*.

Mixing Instructions: Add required amount of FUNGO to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension.

Application Rates and Timing for Disease Control: Use three 8-oz bags of FUNGO per 100 gallons of water. Apply as a drench or heavy spray to 800 sq. ft. of bench area (1 to 2 pints per square foot) after transplanting into propagation beds or containers. Repeat at 2 to 4 week intervals during periods favorable for disease.

WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil or potting medium, the disease problem, condition of the crop, incompatibility with other chemicals and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with the directions given herewith. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

FUNGO® is a registered trademark of Grace-Sierra Crop Protection Company for its brand of Fungicide products.

