



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

JUN - 8 1998

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

Chris Wible
SCOTTS-SIERRA CROP PROTECTION COMPANY
14111 SCOTTSLAWN ROAD
Marysville, OHIO 43041

Subject: Label Amendment
Truban Fungicide 30% Wettable Powder
EPA Reg. No. 58185-7
Your Letter Dated Nov. 18, 1997

Dear Mr. Wible:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable subject to the following conditions:

Delete the last three sentences in the precautionary statements section. This information does not belong in this section and already appears in the appropriate place on the label.

Under the Environmental Hazards Section, second sentence, please add the word "intertidal" after "present or to" and just before " areas".

A stamped copy of the labeling is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment.

If you have any questions, then please contact Summer Gardner-Jenkins of my staff at (703) 308-9353.

Sincerely,

Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

3 9 6

10/27/97 CW/KJ

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUN 8 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
58185-7



TRUBAN FUNGICIDE
30% WETTABLE POWDER
EPA Reg. No. 58185-7

FRONT:

- For control of damping-off root and stem rot diseases caused by phthium and phytophthora in ornamental and nursery crops.
- For control of phythium blight, damping off, cottony blight, and phythium root and crown rot on ornamental turf.

NET WEIGHT 2 lb (0.9 kg)

KEEP OUT OF REACH OF CHILDREN
WARNING AVISO
HARMFUL IF SWALLOWED

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.)

STATEMENT OF PRACTICAL TREATMENT

- 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. **GET MEDICAL ATTENTION.**
- IF INHALED:** Induce coughing.
- IF IN EYES:** Flush with water.
- IF ON SKIN:** Wash with plenty of soap and water.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.
Carefully read and follow attached labeling for directions for use.

ACTIVE INGREDIENT:
Etridiazole: 5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole30%

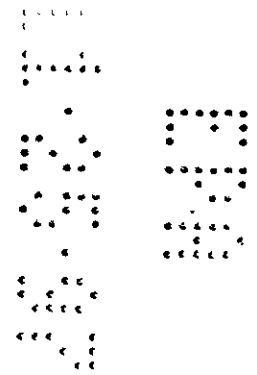
INERT INGREDIENTS:70%

Total 100%

EPA Reg. No. 58185-7

EPA Est. No. 228-IL-1

Distributed by: Scotts-Sierra Crop Protection Company
1411 Scottslawn Road
Marysville, OH 43041



AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

BACK

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING! Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation. Avoid breathing spray mist. Avoid contact with skin, eyes and on clothing. **IN CASE OF CONTACT**, immediately flush eyes or skin with plenty of water. **GET MEDICAL ATTENTION** in irritation persists. Do not contaminate feed or food.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- For exposures in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)
- For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 PRODUCT IS TOXIC TO FISH. Do not apply directly to water, or to areas where surface water is present or to areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not graze treated areas. Do not feed clippings to livestock.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

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

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

FOR PROFESSIONAL USE ONLY

ORNAMENTALS AND NURSERY CROPS

TRUBAN is a soil fungicide for the control of damping-off, root and stem rot diseases caused by Pythium and Phytophthora. It may be used at time of seeding and transplanting either mixed into the growing medium or as a drench to control the labeled pathogens in greenhouse and outdoor culture.

TRUBAN suspensions in water should be constantly agitated to assure uniform mixing and application. TRUBAN suspensions need not be protected from light. Use at recommended rates and concentrations. Overdosage may result in toxicity to sensitive plants. If plants are suspect of being sensitive, apply fungicide to a small number to insure safety. TRUBAN should not be mixed with other pesticides or nutrients unless adequately trialed first.

Thoroughly rinse TRUBAN residues out of all equipment after use.

CHEMIGATION

Refer to supplemental labeling entitled Chemigation Information for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

MIXING INSTRUCTIONS

Add the recommended amount of TRUBAN to the partially filled spray tank with the agitation running. TRUBAN suspensions in water should be constantly agitated to assure uniform mixing. TRUBAN suspensions need not be protected from light. Overdosage may result in toxicity to sensitive ornamental plant. If plants are suspected of being sensitive, apply fungicide to a small number to insure safety. Apply uniformly to turf area with a mobile spray boom or other suitable equipment. TRUBAN should not be mixed with other pesticides or nutrients unless adequately trialed first. Thoroughly rinse TRUBAN residues out of all equipment after use.

PLANT TYPE			REMARKS
BEDDING PLANTS			BEDDING PLANTS (soil 2" to 3" deep). Mix 4-6 oz. of TRUBAN 30% WP with 100 gal. of water and apply to 800 sq. ft. of bed area (equivalent to 1 pint/sq. ft. of soil surface) and use at time of seeding and transplanting. Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Re-treat at 4 to 8 week intervals if additional applications are necessary.
Ageratum	Coleus	Petunia	
Alyssum	Dahlia	Portulaca	
Aster	Dianthus	Salvia	
Balsam	Foxglove	Snapdragon	
Begonia	Impatiens	Stokesia	
Calendula	Larkspur	Verbena	
Carnation	Marigold	Vinca	
Celosia	Pansy	Zinnia	

PLANT TYPE		REMARKS	
FOLIAGE PLANTS		<p>BENCH PLANTINGS OF TROPICAL FOLIAGE PLANTS (peat and other high organic growth media 6" deep or more). Mix 8-12 oz. of TRUBAN 30% WP with 100 gal. of water and apply to 400 sq. ft. of bench area (equivalent to 1 quart/sq. ft. of soil surface). Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Retreat at 8 to 12 week intervals to maintain disease control.</p> <p>BEDGROWN PLANTS Mix 3 to 10 oz. of TRUBAN 30% WP with 100 gal. of water per 400 sq. ft. (equivalent to 1 quart/sq. ft. of soil surface) or apply in sufficient volume to saturate the soil mixture. Re-treat at 4 to 12 week intervals if necessary.</p>	
Aglaonema	Peperomia		
Anthurium	Philodendron		
Brassaia	Pilea		
Caladium	Pothos		
Chinese Evergreen	Zygocactus		
Dieffenbachia			
Echeveria			
Nephtytis			
CONTAINER & BEDGROWN HERBACEOUS			
African Violet	Geranium	<p>CONTAINER & BEDGROWN PLANTS Mix 3 to 10 oz. of TRUBAN 30% WP with 100 gal. of water per 400 sq. ft. (equivalent to 1 quart/sq. ft. of soil surface) or apply in sufficient volume to saturate the soil mixture, such as 1/2 pint per 6" pot. Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Re-treat at 4 to 12 week intervals if necessary.</p>	
Begonia	Gerbera		
Calceolaria	Gysophilia		
Carnation	Heather		
Chrysanthemum	Orchids		
Daphne	Sinningia		
Easter Lily	Statice		
WOODY			
Arborvitae	Juniper		Poinsettia
Arctostaphyfos	Laurel		Rhamnus
Camellia	Leucothoe	Rhododendron	
Carissa	Ligustrum	Southern Pine	
Ceanothus	Magnolia	Western Pine	
Fir	Norfolk Island	Yew	
Hemlock	Pine		

TURF

DO NOT APPLY THIS PRODUCT TO TURF THROUGH ANY TYPE OF IRRIGATION SYSTEM

For turf uses on golf course greens, tees and fairways only.

TRUBAN is intended for use on ornamental turf. TRUBAN may be used on established turf to prevent or control Pythium blight (cottony blight, grease spot) and Pythium Root and Crown Rot. It may be used at time of seeding to control damping off. Night temperatures above 65°F (18.3°C) with high humidity are favorable for Pythium development.

TURF TYPE/DISEASES	REMARKS
Established Turf • For Pythium blight (cottony blight, grease spot)	Mix 2-4½ oz. of TRUBAN 30% WP with 5 gal. of water for each 1,000 sq. ft. of turf to be treated. Use 2 oz./1,000 sq. ft. when disease incidence is expected to be light and 4½ oz./1,000 sq. ft. for more severe conditions. Re-treat in 5-10 days, depending on climatic conditions, to maintain disease control.
Established Turf • For Pythium Root and Crown Rot	Mix 5-6 oz. of TRUBAN 30% WP with 5 gal. of water for each 1,000 sq. ft. Drench (irrigate) the treated area immediately following applications to increase performance. During periods of high daytime temperatures (90°-95°F) apply TRUBAN 30% WP in early morning or late afternoon. Re-treat in 5-10 days, depending on climatic conditions, to maintain disease control.

TURF TYPE/DISEASES	REMARKS
Newly Seeded Turf • For damping-off	Apply 7-9 oz. of TRUBAN 30% WP in 5-10 gal. of water immediately after seeding. Irrigate promptly for improved soil penetration of the fungicide and to initiate seed germination. Re-treat at 5-7 day intervals at the 2-4½ oz. rate in order to maintain a preventative disease control program after germination.

TRUBAN does not afford broad spectrum fungus disease control for brown patch (*Rhizoctonia solani*), dollar spot (*Sclerotinia homoeocarpa* or *Rutstroemia*, *Lanzia*, or *Moellerodiscus*), copper spot (*Gloeocercospora sorghi*), and similar turf diseases. A fungicide program to control these diseases should be followed if they co-exist with Pythium blight. Use FUNGO, DUOSAN or VORLAN to control a broad spectrum of diseases other than Pythium.

STORAGE AND DISPOSAL

STORAGE: Not sensitive to light. Stable at normal temperatures and humidities. Store in a dry place in a well-closed container at temperatures above 45° F. (7°C).

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: Triple rinse (or equivalent). Then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT NOTICE: LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use on ornamentals, nursery crops and turfgrasses. However, it is understood that tests may not have been carried out on all varieties under all growing conditions on all plants listed on the label. The user should always follow the label directions and exercise his judgment and caution when using this product on a given variety until familiar with the results under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS, OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. The exclusive remedy of the user or Buyer, and the limit of liability of either The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use of handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice which may be varied only by agreement in writing, signed by a duly authorized representative of The Scotts Company.