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Ms. Glenda Haage Riverside/Terra Corporation 600 Fourth Street Sioux City, IA 51101

Dear Ms. Haage:

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Subject: Revised Labeling

Terranil 90DF WSP

EPA Registration No. 9779-328

Your Submission Dated July 18, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

- 1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. In the Hazards to Humans section reinstate:

Do not get in eyes.

- b. In the Chemigation directions delete the heading "Safety Devices". This heading is not required by PR Notice 87-1.
- c. In the section "Systems Connected to Public Water Sources", add paragraphs VI.A.1. through 7. specified in PR Notice 87-1. This notice states that the specific required label statements must be used verbatim. You can not make references to these statements in a another part of the label.
- 2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

For future submissions of amended applications submit five (5) copies of the draft labeling.

Sincerely yours,

w Cynthia Giles-Parker Product Manger (22) Fungicide Herbicide Branch Registration Division (7505C)

Enclosure

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THALONIL™ 90DF WSP

Turf and Ornamental Fungicide (90% water dispersible granules)

the Federal Insecticide ACTIVE INGREDIENT amended, for the pesticide INERT INGREDIENTS..... registered under EPA Reg. No.

90.0%

3 0 Y

10.0% 100 0%

Total

4774-228

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

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: Contact your local poison control center, hospital, or physician. If the patient is unconscious, maintain breathing and heartbeat (cardiopulmonary resuscitation).

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

IF ON SKIN: Wash with soap and water.

IF IN EYES: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

FIRST AID: Note to Physician: Persons having an ellergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.

PRECAUTIONARY STATEMENTS DANGER HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive, causes severe eye damage. May be a potential skin sensitizer. Do not get in eyes. Avoid contact with skin or clothing. Do not take internally. Avoid breathing dust or spray mist. NOTE TO USER: This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having allergic reactions should contact a physician.

Personal Protective Equipment:

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. For exposures in enclosed areas, a respirator with either an organic-vepor-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).

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.

When handlers use closed systems, enclosed cabs, or sircraft 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.

Read Additional PRECAUTIONARY STATEMENTS.

SPA Reg. No. 9779-328-14774

EPA Est. No. 65387-AR-002

Manufactured For Riverside/Terra Corporation P. O. Box 6000, Sioux City, Iowa 51102 6000 Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS: 10 LBS. (as 8 packets of 1 % lbu. each).

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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, equatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to equatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Apply only to areas specified on label. Do not contaminate water when 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,

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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), notification to workers, 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 48 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 and protective eyewear.

STORAGE AND DISPOSAL DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. In the event of spillage, scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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: 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.

GENERAL INFORMATION

THALONIL 90DF WSP is an excellent fungicide when used according to label directions for control of a broad spectrum of plant diseases. THALONIL 90DF WSP can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. Do not combine THALONIL 90DF WSP in the spray tank with pesticides, surfactants or fertilizers, unless prior use has shown the combination physically compatible, effective and nominjurious under conditions of use.

Under conditions favoring disease development, the high rate specified and shortest application interval should be used. Applications should be made in sufficient water to obtain adequate coverage of foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume usually will range from 20 to 150 gallona per acre for dilute sprays and 5 to 10 gallona per acre for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions for ground application only are given for a crop. Application through sprinkly imagetion systems is recommended for some crops which are specified on the label below. Follow application and calibration instituctions.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION DO NOT USE THALONIL 900F WSP THROUGH SPRINKLER IRRIGATION SYSTEMS ON GOLF COURSES

Apply this product only through the following types of irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal posticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Experiment Station specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for posticide

BEST AVAILABLE COPY

Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action. Finish filling tank. Maintain agitation during operation. Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent. Do not use on greenhouse grown crops except as directed in the Turf and Ornamentals section of this label.

USE DIRECTIONS

TURF AND ORNAMENTALS

THALONIL 900F WSP is formulated for use on golf course tees, greens and fairways, ornamental turfgrass and ornamental herbs, shrubs and trees. It is highly effective for the control of a broad spectrum of turf and ornamental plant diseases when it is used according to the directions on this product label. Thorough, uniform coverage of plant surfaces is essential for good disease control.

TURF: Jo not mow or water after treatment until spray deposit on turfgrass is thoroughly dry; THALCNIL SODF WSP should always be used in conjunction with good turf management practices.

Golf Course Fairways: Apply in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions, use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

| DISEASE | APPLICATION INTERVAL | AREA COVERED PER PACKET (square feet) |
|-------------------------|----------------------|---------------------------------------|
| Scierotinie | 7-10 days | 11,000-22,000 |
| Doller Spot | 14-21 days | 7,300-11,000 |
| Helminthosporium | 7-10 days | 11,000 |
| Leafspot | 14-21 days | 7,300-11,000 |
| Rhizoctonia brown patch | 7-14 days | 7,300-11.900 |
| Anthracnose | 7-14 deys | 4,400-8,700 |

Golf Course Tees and Greens and Ornamental Turfgrass: Apply in an adequate amount of water to provide complete coverage. This amount may vary from 2 to 10 gallons per 1,000 square feet. See * elow for suggested rates and timing. Under severe disease conditions, use the curative rates and spray on a 7 day schedule.

Do not use THALONIL 90DF WSP through sprinkler irrigation equipment on golf courses.

| DISEASE | APPLICATION INTERVAL | AREA COVERED PER 20 OZ, PACKET (Square Faet) | |
|------------------------|-------------------------|--|----------------|
| | | Preventive* | Curative * * |
| Anthrecnose | 7-14 days | 4,400-8,800 | - - |
| Copper spot | 7-10 days | 4,400-5,700 | 3,200-4,400 |
| Curvularia leafspot | 7-10 days | 5,700-11,000 | 3,200-5,700 |
| Dollar spot | 7-14 days | 5,700-11,000 | 3,200-5,700 |
| Gray leafspot | 7-10 days | 5,700-11,000 | 3,200-5,700 |
| Helminthosporium | | | |
| leafspot and | | { | |
| melting out | 7-10 days | 5,700-11,000 | 3,200-5,700 |
| Large brown patch | 7-10 days | 5,700-11,000 | 3,200-5,700 |
| Red thread | 7-10 days | 4,400-11,000 | 3,200-4,400 |
| Stem rust of bluegrass | 7-14 days | 4,400-5,700 | 3,200-4,400 |
| Dichondra: | | j | |
| Alternaria leafspot | | 1 | |
| (California only) | 7-14 days | 4,400-5,700 | 3.200-4,400 |

^{*}Recommended rates for preventing disease establishment; use 'ower rate when disease conditions are light to moderate, higher indicated rates when conditions are severe.

Turfgrasses - Gray show mold caused by Typhula spp.: Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 1 packet of THALONIL 90DF WSP per 2,200-4,400 square feet of turf area. Application must be made before show cover in autumn. Use the higher rate if turf layer remains frozen prior to show cover. If show nover is intermittent or lacking during the winter, re-apply at 1 packet per 2,200 square feet at monthly intervals until gray show mold conditions no longer prevail. In areas where pink show mold (Gerlachia or Fuschum patch) is likely to occur, apply at 1 packet per 2,200 square feet in combination with Chipco** 26019 50WP at 4 ounces per 1,000 square feet of turf area.

^{**}Rates for use on a 7 day schedule when disease is present. Higher indicated rate should be applied under sevels conditions.

^{**}Chipco is a registered trademark of Rhone Poulenc, Inc.

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Fusarium (Gerlachia) Patch: For control of Fusarium patch only in areas where snow cover is intermittent or lacking during the winter, apply 4½ to 8 ounces per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for Fusarium patch no longer prevail.

ORNAMENTALS AND CONIFERS: Apply THALONIL 90DF WSP at a rate of 1 packet per 100 gallons of water unless other directions are given in the tables below. Begin applications as directed for each species and disease condition cited and repeat on a 7 to 14 day schedule until conditions are no longer favorable for disease development. During periods when conditions favor severe disease incidence, generally cloudy or wat weather, use the higher rate specified and the shortest indicated interval between applications.

Aerial application to conifers is permitted although ground applications generally give better coverage. If application with ground equipment is not feasible, THALONIL 90DF WSP may be applied aerially to forest stands in 10-20 gallons of water and to Christmas trees in 10-50 gallons of water.

THALONIL 90DF WSP may be used in greenhouses. Applicators and attending personnel should wear protective clothing. Do not use mistblowers or high pressure spray equipment when making applications in greenhouses.

ORNAMENTALS

| ORNAMENTALS | | | | |
|--|--|-----------------------------|--|--|
| SPECIES | DISEASES CONTROLLED | SUGGESTED FIRST APPLICATION | | |
| BROADLEAF SHRUBS AND TREES: | | | | |
| Ash (Frexinus) | Cercospora, Cercosporidium, Cylindrosporium leafspots | Spring bud break | | |
| Azalea* | Phytophthora die-back, | New leaf emergence; | | |
| Rhododendron* | Ovulinia flower blight | Early bloom | | |
| Buckeye, Horsechestnut | Leaf blotch, Anthracnose | Spring bud breek | | |
| Cherry-Laurel | Cercospora leafspot | Petal fall | | |
| Crebepple | Scab, Cedar-apple rust, Sphaeropsis leafspot | Spring bud break | | |
| Dogwood | Septoria leafspot | Early bloom | | |
| Euonymus | Anthracnose | Spring bud break | | |
| Firethorn | Scab | Spring bud break | | |
| Flowering almond, Quince, Sand Cherry | Monitinia blossom/branch blight | Early bloom | | |
| Hewthorn | Rust, Fabraea leafspot | Prebloom | | |
| Holly | Rhizoctonia web blight | Warm, moist conditions | | |
| Mountain Laurel | Cercospora leafspot | Spring bud break | | |
| Oak (red group only) | Taphrina blister, Actinopelte leafspot, Anthrecnose | Dormant budswell | | |
| Oregon-Grepe (Mahonia) | Rust | Spring bud breek | | |
| Photinia | Fabrea (Entomosporium) leafspot | Spring bud break | | |
| Pieris (Andromeda) | Phytophthora die-back | New leaf emergence | | |
| Popler | Marssonina leafspot | Spring bud break | | |
| Privet | Cercospore leafspot | Prolonged wet conditions | | |
| Sycamore, Planetres | Anthracnose | Spring bud break | | |
| Viburnum | Powdery mildew | Mid-summer | | |

| CONIFERS: | | | | |
|---|-------------------------|--|--|--|
| DISEASES CONTROLLED | AREA COVERED PER PACKET | APPLICATION DIRECTIONS | | |
| Rhabdocline needlecast (Douglas fir) | ⅓-1 s cr• | Apply at bud break and repeat at 3 to 4 week intervals until needles are fully enlongated and conditions no longer favor disease development. In plantations of mixed provenance, or when irregular bud break occurs, apply weekly until all troes have broken bud, then every 3 to 4 weeks as specified above. In rursery beds, use the high rate on a 3 week schedule. | | |
| Swiss needlecast | ¼.⅓, ecre | Single application technique. In Christmics time plantations or forest stands, make one application in the spring when new shoot growth is % to 2 inches in length. | | |

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| DISEASES CONTROLLED | AREA COVERED PER PACKET | APPLICATION DIRECTIONS | |
|--|-------------------------|---|--|
| Scieroderris Canker (pines), Swiss Needlecast (Douglas fir) | ⅓-1 acre | Make first application in spring when new shoot growth is ½ to 2 inches in length. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. In nursery beds, apply the highes rate specified on a 3 week schedule. | |
| Sirococcus Tip Blight | 2/5-3/4 acre | | |
| Rhizosphaera Needlecast (spruces), Scirrhia brown spot (pines) | % асте | | |
| Cyclaneusma and Lophodermium needlecasts (pines) | %-% ecre | Apply in early spring prior to bud break. Repeat applications at approximately 6 to 8 week intervals until spore release ceases in late fall. Apply monthly during periods of frequent rainfall and where Lophodermium infections occur durin dormancy (Pacific Northwest). During drought periods, applications may be suspended, then resumed upon next occurrence of needle wetness. | |
| Botrytis seedling blight, Phoma twig blight | ⅓-1 acre | Begin applications in nursery beds when seedlings are 4 inches tall and when cool, moist conditions favor disease development. Make additional applications at 7 to 14 day intervals a long as favorable disease conditions persist. | |

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

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