

5481-457

11/28/2003

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

NOV 28 2003

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Darryl E. Brock
AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1250
Newport Beach, CA 92660

Subject: TURFPRO WSP
EPA Registration Number 5481-457
Your Amendment dated August 15, 2003

Dear Mr. Brock:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted provided the following change is made:

On page 7, in the Storage and Disposal Box, change the subheading "Storage" to "Pesticide Storage".

For future labeling amendments, please use a larger font for the draft labeling. The Agency must ensure that it has reproducible documents in its files.

A stamped copy of the label is enclosed for your files. You must submit one copy of the final printed label prior to releasing the product for shipment. If you have questions, please contact Summer Gardner-Jenkins at (703) 308-9353.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

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

Enclosure: stamped label

TURFPRO™ WSP

Turf and Ornamental Soil Fungicide

FOR PREVENTION AND CONTROL OF SOIL-BORNE DISEASES WHICH ATTACK TURFGRASS, NURSERY AND GREENHOUSE PLANTS, FIELD GROWN ORNAMENTALS, BEDDING AND FLOWERING PLANTS, HERBACEOUS AND WOODY ORNAMENTALS.

ACTIVE INGREDIENT:

Pentachloronitrobenzene (PCNB)..... 75.0%

INERT INGREDIENTS:..... 25.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a 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 in eyes:	<ul style="list-style-type: none"> • 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 a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • 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.
If inhaled:	<ul style="list-style-type: none"> • 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.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
Transportation: CHEMTREC.....	1-800-424-9300
Other: AMVAC.....	1-323-264-3910

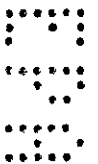
SEE SIDE/BACK PANEL FOR ADDITIONAL CAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-457
EPA Est. No. 5481-CA-1

ACCEPTED
with COMMENTS
In EPA Letter Dated
NOV 28 2003

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5481-457**

Net Weight:
As Marked on Container



4100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A
1-323-264-3910 • www.amvac-chemical.com

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid inhaling dust. May cause skin irritation. Avoid contact with skin. Do not contaminate feed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- **For exposures outdoors:** Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.
- **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), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

USER SAFETY REQUIREMENTS

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 and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. 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 contaminate water when cleaning equipment or disposing of equipment washwaters. Apply this product only as specified on this label. Do not apply directly adjacent to potable water supplies.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not plant root crops in PCNB treated fields within 12 months of broadcast and banding applications unless PCNB is registered for use on those crops. Do not apply this product through any type of irrigation system. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf. 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.

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
- Chemical-resistant gloves made of any waterproof material
- 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. Turf and Landscape Uses: Do not enter or allow entry into treated areas until sprays have dried unless wearing the personal protective equipment listed on this label.

GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water mixture is continuously agitated to give uniform fungicide coverage. TURFPRO is a preventive fungicide recommended for control of the listed soil-borne diseases as listed for turf and ornamental crops therefore best disease control results when applied as a preventive program. Carefully follow the recommended rates and the application remarks.

FOR TURFGRASS

Use as a fungicide in the prevention and control of the listed soil-borne diseases which attack turfgrass on golf courses, sod farms, home lawns, institutional, ornamental, and recreational areas where fine turf is under a maintenance program.

Diseases Controlled

Common Name

Brown Patch or Rhizoctonia Blight
Leaf Spot
Dollar Spot
Gray Snow Mold
Pink Snow Mold

Fungi Name

Rhizoctonia solani
*Drechslera poae**
Sclerotinia homeocarpa, *Moellerodiscus sp.*, *Lanzia sp.**
Typhula sp.
Microdochium nivale

*Do not use in California

For best results, use TURFPRO as a preventative application before diseases appear, or apply at the first sign of the infection. After application, the treated areas should be watered to wash the fungicide down to the soil level. If heavy rainfall or flooding occurs after treatment or if disease is severe or reappears, treat area again. Follow the rates as outlined below for the respective disease.

Disease/Host	Amt/Gal. Water per 1,000 sq. ft.	How and When to Apply
Brown Patch or Rhizoctonia Blight (<i>Rhizoctonia solani</i>) St. Augustine, Bermudagrass and similar warm season grasses	1 lb./10-15 gallons	Apply once in spring or fall or when disease appears. If it is severe or reappears, retreat 3 to 4 weeks later.
Dichondra	1 lb./40 gallons	Treat as above.
Bluegrass, Rye, Fescue, Bent and similar cool season grasses	3-4 oz./3-6 gallons	Apply at first sign of disease. Repeat every 7 to 10 days during warm damp weather.
Leaf Spot (<i>Drechslera poae</i>)* Dollar Spot (<i>Sclerotinia homeocarpa</i> , <i>Moellerodiscus sp.</i> , <i>Lanzia sp.</i>)* On cool and warm season turf varieties. *Do not use in California.	7-10 oz./5-10 gallons	For preventative, apply in spring or fall of each year. If disease is present, apply at 10 oz. rate as soon as possible. If disease is severe or reappears, retreat area 3 to 4 weeks later.
Gray Snow Mold (<i>Typhula sp.</i>) Pink Snow Mold (<i>Microdochium nivale</i>)	8 oz./5-10 gallons	First treatment should be made prior to first snowfall.

Do not graze treated areas or feed grass clippings to livestock. Under certain growing conditions, a temporary discoloration of the grass occasionally may occur. This causes no harm and will disappear in a short time.

GROUND SPRAY FOR ESTABLISHED AZALEAS AND CAMELLIAS

For Ovulinia Petal Blight (*Ovulinia azaleae*) on Azaleas and Flower Blight (*Ciborinia camelliae*) on Camellia, use 1 lb. per 150 sq. ft. Mix and apply in sufficient water (5 to 10 gallons per 100 sq. ft.) to give uniform coverage to soil beneath bushes and in the plant bed. Begin application prior to opening of buds and repeat every 3 to 4 weeks during bloom season.

ORNAMENTALS

Mixtures of TURFPRO and water must be mixed with the soil as a drench treatment for protection against the listed diseases on nursery, greenhouse, field grown and established plants. A preliminary trial is suggested first before a full treatment is given to any plant species not listed in these directions.

Diseases Controlled

Common Name	Fungi Name
Root/Stem Rot	<i>Rhizoctonia solani</i>
Botrytis Blight or Storage Rot	<i>Botrytis sp</i>
Stromatinia Dry Rot	<i>Stromatinia gladioli</i>
Sclerotinia Neck Rot	<i>Sclerotinia sp.</i>
Needle Blight	<i>Dothistroma septospora</i>
Ovulinia Petal Blight	<i>Ovulinia azaleae</i>
Gray Bulb Rot	<i>Rhizoctonia tuliparum</i>
Stem Rot	<i>Sclerotinia sclerotiorum</i>
Flower Blight	<i>Ciborinia camelliae</i>
Bulb/Crown Rot	<i>Sclerotium rolfsii</i>
Bulb and Stem Rot	<i>Sclerotinia sclerotiorum</i>

NURSERY AND GREENHOUSE

For *Rhizoctonia* control, apply as a soil drench at time of seeding and/or transplanting.

Tropical Foliage Plants

Ajuga, Aphelandra, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Peperomia, Pothos, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Mix 4 to 8 oz. in 100 gallons water and apply to 400 to 800 sq. ft. of bed or bench area. Coverage: For soil depths of 4 inches or less, apply 100 gallons to 800 sq. ft. For soil depths of more than 4 inches, apply 100 gallons to 400 sq. ft. One repeat application can be made 4 to 6 weeks later if necessary. Do not apply to Philodendron or Pilea since injury may occur.

Bedding and Flowering Plants

Carnation, Chrysanthemum, Dahlia, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, Vinca, Zinnia and similar plants. Use 4 oz. with 100 gallons of water and apply to 800 sq. ft. of flat or bench area. Apply at seeding or transplanting time.

Herbaceous and Woody Plants

Herbaceous plants: Kalanchoe, Lily and similar plants. Woody plants: Azalea, Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron and similar plants. Use 4 to 8 oz. with 100 gallons of water and apply to 400 to 800 sq. ft. of bed or bench area.

FIELD GROWN ORNAMENTAL CROPS

How to Mix and Apply

Mix the following amounts of TURFPRO in sufficient water and apply before planting to give uniform ground coverage. Incorporate the spray/drench solution to soil depth as indicated.

As a Pre-Plant Broadcast Treatment

For Root/Stem Rot (*Rhizoctonia solani*) on Easter Lilies and for Bulb/Crown Rot (*Sclerotium rolfsii*) and Bulb and Stem Rot (*Sclerotinia sclerotiorum*) on Iris, Hyacinth, Narcissus and Tulips, use 3-1/4 to 6-1/2 lbs. per 1,000 sq. ft. Thoroughly incorporate to a depth of 6 to 7 inches. Use the lower rate for light soils; the higher rate for heavy soils.

For Gray Bulb Rot (*Rhizoctonia tuliparum*) and Stem Rot (*Sclerotinia sclerotiorum*) on Dutch Iris, use 3-1/4 to 4-1/2 lbs. per 1,000 sq. ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches.

For Stromatinia Dry Rot (*Stromatinia gladioli*) or Sclerotinia Neck Rot (*Sclerotinia sp.*) on Gladiolus, use 3-2/3 lbs. per 1,000 sq. ft. Apply prior to planting. Thoroughly incorporate to depth of 4 to 6 inches. Bulbs may be planted immediately after solution is incorporated.

For *Rhizoctonia* Stem Rot (*Rhizoctonia sp*) on Calendula, Larkspur, Snapdragon and Sweet Pea, use 3-1/2 lbs. per 1,000 sq. ft. Apply prior to planting. Thoroughly incorporate to depth of 4 inches.

For Needle Blight (*Dothistroma septospora*) on Southern Pine Seedlings, use 50 lbs. per acre. Mix and apply in 100 gallons of water to give uniform ground coverage. An additional 1-1/2 inch of water per acre should be applied by irrigation prior to planting. Seed may be planted after irrigation or within one week of this date.

As a Band Treatment

For Stromatinia Dry Rot (*Stromatinia gladioli*) or Sclerotinia Neck Rot (*Sclerotinia sp.*) on Gladiolus, use 5-1/2 lbs. per 1,000 sq. ft. of row as a 12-inch band centered on the row at planting time. Incorporate to depth of 4 inches. Bulbs may be planted immediately after incorporation.

For Bulb/Crown Rot (*Sclerotium rolfsii*) and Bulb and Stem Rot (*Sclerotinia sclerotiorum*) on Dutch Iris, use 1/2 lb. per 1,000 linear feet of row as a 12-inch band centered on the row at planting time. Follow with three additional applications at the same rate at 15-day intervals.

As an In-Furrow Treatment at Planting Time

For control of Root/Stem Rot (*Rhizoctonia solani*) on Easter Lilies and for Bulb/Crown Rot (*Sclerotium rolfsii*) and Bulb and Stem Rot (*Sclerotinia sclerotiorum*) on Iris, Hyacinth, Narcissus and Tulips, mix 4-1/2 to 6 lbs. in 5 to 10 gallons of water and apply per 1,000 linear feet of row. Direct the spray into open furrow to thoroughly cover entire furrow and bulbs. Close furrow in normal manner. Use lower rate for lighter soils and higher rate for heavier soils. For Bulb and Stem Rot (*Sclerotinia sclerotiorum*) control, use high rate.

DIP TREATMENT FOR BULBS AND DORMANT ROSES

Use before planting or storing. It is important to maintain continuous circulation of dip solution to assure uniform application of fungicide. Add 1% "Sticker" to solution. Utilize wire mesh for dipping and drain boards to return excess solution to dip tank. Dispose of unused dip solution according to "Storage and Disposal" and observe use of protective clothing (gloves, etc) as listed under "Personal Protective Equipment (PPE)"; both sections found on this label.

For control of Bulb/Crown Rot (*Sclerotium rolfsii*) and Bulb and Stem Rot (*Sclerotinia sclerotiorum*) on Iris, Hyacinth, Narcissus and Tulips, dip bulbs for 5 minutes in a solution containing 2 lbs. TURFPRO in 3.2 gallons of water.

For Root/Stem Rot (*Rhizoctonia solani*) on Easter lilies, dip in a solution containing 4 to 6 lbs. TURFPRO in 100 gallons of water for a period of 5 to 15 minutes.

For Botrytis Blight or Storage Rot (*Botrytis sp.*) on Roses, dip or spray dormant plants before packaging or storage with a solution of 2 lbs. TURFPRO in 100 gallons of water.

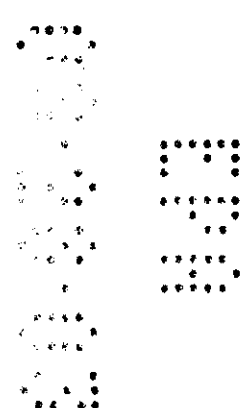
STORAGE AND DISPOSAL

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

STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children.

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 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.



LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

TURFPRO™ is a Trademark of Amvac Chemical Corporation.

Amvac Chemical Corporation
4100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A.
1-323-264-3910
www.amvac-chemical.com

