

PM 21

538-185

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

538-185

Date of Issuance:

Term of Issuance:

Unconditional

Name of Pesticide Product:

Proturf Pythium
Control

NOTICE OF PESTICIDE:
Registration
☒ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Vincent Snyder, Jr.
Senior Technical Associate
THE SCOTTS COMPANY
14310 Scottslawn 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 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the product listed above with the following provisions:

1. Change "Precautionary Statements" to the following:

Precautionary Statements
Hazards to Humans and Domestic Animals
Caution

"Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Wash thoroughly with soap and water after handling."

2. Change the "Environmental Hazards statement" to following:

Environmental Hazards: "For terrestrial uses, do not apply to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate."

3. Make a separate section with the heading of Groundwater Advisory with the following:

Groundwater Advisory: "This chemical is known to leach through soil into groundwater under certain conditions as a

Signature of Approving Official:

Connie B. Welch, PM-21
Fungicide, Herbicide Branch
Registration Division (7505C)

Date:

4/8/97

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result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination."

4. The "Statement of Practical Treatment" should be revised as follows:

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

5. Submit two copies of the revised final printed label for the record.

Enclosed is a copy of your label stamped "Accepted with comments". 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 registration of your product.

Enclosure

Scotts
ProTurf

Scotts
ProTurf

**Pythium
Control**



Pythium Control

NET WEIGHT 28.25 lbs. (12.81 kg)

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION, causes eye irritation. Avoid contact with eyes, skin, or clothing. If in eyes, flush with plenty of water. Get medical attention if irritation persists. May be harmful if swallowed. Avoid inhalation. Do not contaminate feed of foodstuffs. Do not feed clippings to livestock.

Personal Protective Equipment

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21) is required.

Engineering Controls:

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

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment 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: 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 disposing of equipment washwater or rinsate. This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. Do not plant any crop which is not registered for use with Metolaxyl in Metolaxyl treated soil for a period of 12 months.

ACTIVE INGREDIENT:

Metolaxyl, N-(2,6-Dimethylphenyl)

-N-(methoxyacetylalanine, methyl ester) 1.21%

INERT INGREDIENTS 98.79%

TOTAL 100.00%

**ACCEPTED
with COMMENTS**

EPA Reg. No. 538-105 In EPA Letter Dated EPA Est. 538-OH-1
Product of U.S.A.

APR 8 1997

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
The Scotts Company is registered, for the pesticide
Metolaxyl, N-(2,6-Dimethylphenyl)-N-(methoxyacetylalanine, methyl ester) under EPA Reg. No.
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538-185

Recommended For Use By Professional Turfgrass Or Nursery Managers

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 24 hours. Exception: If the product is 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, i.e. coveralls, chemical-resistant gloves, shoes plus socks, and protective eyewear.

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 Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated areas until material has been washed off the foliage and the area is completely dry.

TURF

Prevents or arrests damaging activity of *Pythium* blight and *Pythium* damping-off.

For use on bentgrass, Kentucky bluegrass, perennial ryegrass, annual ryegrass and bermudagrass turf.

To prevent *Pythium* blight in established turf apply as a preventive treatment during periods favorable for *Pythium* development at the RECOMMENDED RATE. Retreat at 10 day intervals. If a longer retreatment interval is desired, apply at DOUBLE RATE and retreat at 21 day intervals. If conditions are severe for disease, apply at DOUBLE RATE and retreat at 10 day intervals. Apply to moist or dry foliage.

To prevent *Pythium* in newly seeded areas apply at the RECOMMENDED RATE immediately after seeding. Irrigate with 1/4 inch of water. Retreat at 7-14 day intervals if conditions remain favorable for disease. If conditions are severe for disease, apply the DOUBLE RATE and retreat in 7 days.

To avoid product pick-up, lightly irrigate treated area before mowing.

Not a control for turfgrass diseases other than *Pythium*.

When treating for *Pythium* control on established turf, do not fertilize or water heavily during periods when disease is active.

ProTurf *Pythium* Control contains metalaxyl, a systemic fungicide having a specific mode of action. Its sole use could result in ineffective control of resistant strains of fungi. It is recommended that ProTurf *Pythium* Control be alternated with ProTurf Fungicide V to reduce the chance of resistant strains developing.

Limit use of *Pythium* Control to no more than 3 applications per season.

Allow one week between application of ProTurf *Pythium* Control and other control products. In situations of severe insect or disease attacks this guideline can be relaxed.

ORNAMENTALS

Use *Pythium* Control on container ornamentals for the prevention of damping-off and root and stem rot diseases caused by *Pythium* and *Phytophthora*. Use *Pythium* Control either in a soil mix at the time of

transplanting ornamentals or as a soil surface broadcast application after plants have been potted.

It is important that plants are treated preventively for best results. Once infected with *Pythium* or *Phytophthora*, plants may not recover from these diseases.

Rate ranges: use the lower rate for the shortest interval listed and the higher rate for the longest interval.

Do not exceed recommended rates or apply more frequently than directed, or plant injury may occur.

WOODY ORNAMENTALS EXCEPT AZALEAS

Aucuba japonica	Savin juniper
Andromeda	Tam juniper
Arbutus	Shore juniper
Ceanothus	Pittosporum
Ilex	Rhododendron
Pinus thumbertii	

SOIL SURFACE BROADCAST: Apply 2.0-2.5 lbs. product per 1,000 ft² bed area. Repeat applications at two to three month intervals if necessary.

Watering: Apply 1/4-1/2 inch water to activate the fungicide and to move the active ingredient to the plant root zone.

Precaution: To minimize the potential for injury, do not apply total rates of 4.0-5.0 lbs. product per 1,000 ft² more often than once every ten weeks.

SOIL MIX AT POTTING: Thoroughly mix 0.75-1.5 lbs. product per cubic yard of soil mix for two to three months control.

AZALEAS

To prevent *Pythium* and *Phytophthora* root and crown rot apply at the same surface broadcast rates as above and repeat applications at two to four month intervals if necessary. Apply 1/4-1/2 inch water after application. For soil incorporation at potted time use the same rate as above for two to four month control.

Precautions: To minimize the potential for injury to azaleas do not apply more than 10 lbs. of product per 1,000 ft² in 6 months.

Note: • Do not apply to *Euonymus* or injury may occur.

STORAGE AND DISPOSAL

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

STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing. Protect from water and extreme heat.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use on ornamentals listed on the label. However, it is understood that tests have not been carried out on all varieties or cultivars and 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 the 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 TO BE 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 The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or 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 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.

Professional Business Group
The Scotts Company
Marysville, Ohio 43041

Suggested Spreader Settings for Turfgrass Usage

To provide proper distribution calibrate spreader before application.

28.25 lbs. treats 22,000 ft.² (1/2 acre) at the NORMAL RATE
28.25 lbs. treats 11,000 ft.² (1/4 acre) at the DOUBLE RATE

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTING	
			NORMAL RATE	DOUBLE RATE
Scotts Drop	3 mph	overlap wheels	2 1/4	3 1/4
Scotts Rotary				
R-7*, R-7X*	3 mph	9 ft.	B	D
R-8, R-8A-1 (cone 9)	3 mph	9 ft.	G 1/2	I
Gandy 30"	3 mph	overlap wheels	17	22
Lely Models				
(See below)	4.5 mph	18 ft.	2 3/4 III	3 1/2 III
VICON				
(Models 02)	4.5 mph	18 ft.	10	15
(Models 03)	4.5 mph	10 ft.	8	11

*Set adjustable pattern to 1/4 close position.

Lely Models WTR, WFR, HR and 1250. PJO at 450 rpm.
Metric coverage: 12.81 kg treats 2044 m² at the NORMAL RATE and 1022 m² at the DOUBLE RATE.

For Ornamentals:

Rate settings must be determined by Applicator depending upon spreader devices used.