

PM 25 538-193

File #11

United States Environmental Protection Agency
Washington, D.C. 20460

OCT 22 1993

Office of
Prevention, Pesticides and
Toxic Substances

Vincent Snyder, Jr.
O.M. SCOTT & SONS CO
14111 SCOTTLAWN RD
MARYSVILLE OH 43041

Subject: Label Amendment Submission of 06/21/93
in Compliance with WPS Labeling Requirements
EPA Reg No. 538-193
PROTURF TURF WEEDGRASS CONTROL

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)

2041

Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

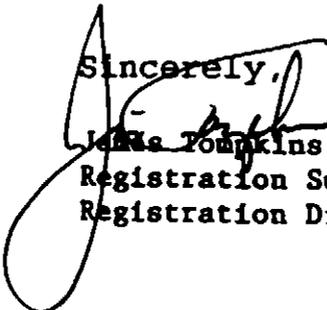
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,



James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

10/09/89 SY 10/23/89 SC

12/08/89 SC 12/04/89 SC

08/10/90 SC

11/01/85 JF

05/23/88 SC

04/07/93 VS/cr

05/11/93 VS/cr

06/14/93 VS/cr

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 22 1988

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

538-193

(Scotts(R))
ProTurf(R)
BRAND

Turf Weedgrass
Control

- o preemergent control of crabgrass, goosegrass, Poa annua, and other grassy weeds
- o control of 9 sprouting broadleaf weeds

Net Weight 44.25 lbs (20.07 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. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. May be harmful if swallowed. Avoid inhalation. Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks.

Follow manufacturer's instructions for clearing/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:

- o Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards: This pesticide is toxic to fish. Do not apply directly to water. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. In case of spills, either collect for use or dispose of properly.

FRONT CONTINUED

4041

ACTIVE INGREDIENT:

pendimethalin, N-(1-Ethylpropyl)-3,4-dimethyl
-2,6-dinitrobenzenamine*

1.71%

INERT INGREDIENTS:

98.29%

Total 100.00%

EPA Reg. No. 538-193
Product of USA

EPA Est 538-OH-1(S)
EPA Est 8378-IN-1(K)
Subscript used in first letter of run
code on end of package

*Licensed under one or more of the following U.S. Patents: 3,920,742;
4,066,441

Sold by: ProTurf Division, The O M Scott & Sons Company
14111 Scottslawn Road
Marysville, Ohio 43041

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Recommended for Use by Professional Turfgrass Managers

8537

Turf
Weedgrass
Control

5011

RIGHT GUESSET

8637

(Scotts(R))
ProTurf(R)
BRAND

Turf
Weedgrass
Control

LEFT GUESSET

(Scotts(R))
ProTurf(R)
BRAND

Turf
Weedgrass
Control

8637

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.

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.

Controls these grassy weeds as they sprout:

goosegrass
crabgrass
foxtail

Poa annua
barnyardgrass
fall panicum

Controls these broadleaf (dicot) weeds as they sprout:

chickweed
cudweed
hop clover
henbit
oxalis

eveningprimrose
prostrate spurge
purslane
knotweed

For use on established turfgrasses including Kentucky bluegrass, perennial ryegrass, fine fescue, bentgrass and Poa annua (except putting greens and tees), tall fescue, bermudagrass, St. Augustinegrass, centipedegrass, bahiagrass, zoysiagrass, and blends of these grasses. NOT for use on dichondra.

Poa annua control

Applied in mid-August to mid-October before germination, this product prevents the emergence of Poa annua seedlings. Do not make a repeat application until the following spring.

Applied in the fall, this product also controls annual dicot weeds germinating during this time of year, such as henbit and chickweed.

<u>Turfgrass Species</u>	<u>Weeds</u>	<u>Rates of Turf Weedgrass Control</u>	<u>Comments</u>
o Cool Season Grasses Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	88-118 lbs./acre as the initial application prior to weed germination.	Apply a repeat application of 59-88 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	88-118 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 88 lbs./acre	
o Bentgrass and established <u>Poa annua</u> (1/2 inch height or taller. Not for use on greens and tees)	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	88 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 59-88 lbs./acre after 6-8 weeks where heavy infestations are expected.
	goosegrass	88 lbs./acre in the spring prior to weed germination with a repeat application of 88 lbs/acre after 6-3 weeks.	

<u>Turfgrass Species</u>	<u>Weeds</u>	<u>Rates of Turf Weedgrass Control</u>	<u>Comments</u>
o Warm Season Grasses Bermudagrass St. Augustinegrass Bahagrass Zoysiagrass Centipedegrass Tall fescue	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	88-177 lbs./acre prior to weed germination.	Apply a repeat application of 59-88 lbs./acre after 6-8 weeks if necessary.
	goosegrass	88-177 lbs./acre prior to weed germination.	Apply a repeat application of 88-118 lbs./acre to extend control of goosegrass or if the lower rate was used initially.
	cudweed hop clover evening- primrose henbit	177 lbs./acre prior to weed germination.	
Bermudagrass greens	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	88 lbs./acre prior to weed germination.	Apply a repeat application of 88 lbs./acre after 6-8 weeks if necessary.
	goosegrass cudweed hop clover evening primrose henbit	88-118 lbs./acre prior to weed germination with a repeat application of 88 lbs./acre after 6-8 weeks.	

How to use

Apply product uniformly to dry foliage at the suggested rate with a properly calibrated spreader. For best results, water after application (1/4-1/2 inch) to remove the granules from the foliage and to move the product to the surface of the soil. Do not mow treated area until product has been watered in and turf foliage has dried. Do not destroy the chemical barrier created at the soil surface by raking or aerifying subsequent to application.

Precautions for Bermudagrass and 1/2 inch Height or Taller Bentgrass and Poa annua

When applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be more extensive on low-cut bermudagrass and on sandy soils.

Where turf thinning or damage has occurred due to winter injury, wait until greenup, fill-in and good rooting before making an application.

Application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass or Poa annua after late summer.

Other Precautions

Do not apply this product to cool season turfgrasses when temperatures are regularly in the high 80's.

On turf that has been severely thinned due to winter damage, excessive soil moisture, low temperature - below 40°F, scalping, insects, disease, etc. wait until turf has filled in and rooting of stolons/rhizomes is complete and desired turf density is achieved before applying.

Delay seeding by 4 months and sprigging by 5 months after application.

On newly planted areas, wait until the grass has been mowed at least 4 times and has filled in.

Do not apply more than a cumulative total of 236 lbs product/acre per year on cool season grasses and 354 lbs. product/acre per year on warm season grasses.

Do not apply to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water. If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5-10 MPH) due to its staining potential.

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.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or 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.

Suggested Spreader Settings

To provide proper distribution calibrate spreader before application.

44.25 lbs treats 22,000 ft² (1/2 acre) at 88 lbs product/acre
 (88 lbs of product per acre is equivalent to 1.5 lb ai/acre)
 44.25 lbs treats 11,000 ft² (1/4 acre) at 177 lbs product/acre

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	RECOMMENDED RATE RANGE (Lbs product/acre)			
			59	88	118	177
Scotts Drop Gandy (30")	3 mph	Overlap wheels	3	3 3/4	4 1/2	5
Scotts Rotaries R-7*, R-7X*	3 mph	overlap wheels	16	18	20	24
PT-10*, PT-11*	3 mph	9 feet	C	D 1/2	E 1/2	G 1/2
R-8, R-8A (cone 9)	3 mph	9 feet	I	I 1/2	J 1/2	L
Lely Models (see below)	4.5 mph	20 feet	3 III	3 1/2 III	3 3/4 III	4 1/2 III
Vicon	4.5 mph	18 feet	13	16	19	23

*Use discharge hole cover #13030 (already attached to the PT-10 and PT-11 models). For the R-7X model use with adjustable pattern slide 1/4 closed.

Lely models WTR, WFR, HR and 1250. PTO at 450 rpm.

LIMITATION OF LIABILITY

It must be understood that this product has not been evaluated on all bentgrass varieties and Poa annua under all possible growing conditions. The user should exercise judgment and caution when using this product on a given variety until familiar with the performance under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT ON BENTGRASS AND POA ANNUA IF NOT USED IN ACCORDANCE WITH DIRECTIONS AND ESTABLISHED SAFE PRACTICES. The exclusive remedy of the user or Buyer, and the limit of liability of The O M Scott & Sons Company or any other Seller, 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 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 O M Scott & Sons Company.

Sold by:
The O M Scott & Sons Company
14111 Scottslawn Road
Marysville, Ohio 43041