

to
Theresa



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

APR 20 1994

Vincent Snyder, Jr.
O.M. SCOTT 7 SONS CO.
14111 SCOTTSLAWN RD
MARYSVILLE, OH 43041

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 01/31/94 in Response to PR Notice 93-7
EPA Reg. No. 538-239
TURF (R) TURF ENHANCER 50 WP

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

As required by section 6(f)(1) of FIFRA, Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. and The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

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

Enclosures



Recycled/Recyclable
Printed with Soy/Canola ink
contains at least 50% recycled fiber

10/10

FRONT:

PROTURF TGR(R) TURF ENHANCER
50 WP (S-3085) 8788

255

ACCEPTED
with COMMENTS
in EPA Letter Dated
APR 20 1994

09/25/89 SY	10/09/89 SY
10/16/89 SC	11/29/89 SC
12/11/89 CR	02/20/90 FW
09/13/90 DM/cr	06/18/91 SC
	06/29/93 VS/cr
	01/28/94 VS/cr

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

538 - 239

(Scotts(R))
ProTurf
BRAND

TGR(R)
Turf Enhancer
50 WP

- . reduction of vertical growth and mowing frequency of hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees and roughs, and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf areas
- . improved, extended fertilizer performance when used with a nitrogen fertilizer
- . suppression of Poa annua

Net Weight 1.0 lb. (0.45 kg)
2-1/2 lb. water soluble packets/foil pouch

KEEP OUT OF REACH OF CHILDREN
WARNING
PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: MAY BE FATAL IF INHALED. HARMFUL IF ABSORBED THOROUGH SKIN. CAUSES EYE IRRITATION. Avoid contact with skin, eyes or clothing. Do not breathe dust. Wear a dust mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

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

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

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

Environmental Hazards: Do not apply directly to water or wetlands. Do not apply to steep slopes near water or when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards: Do not use or store near heat or open flame.

FRONT CONTINUED:

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ACTIVE INGREDIENT:

Paclobutrazol (+)-(R*,R*)-8-[4-chlorophenyl)methyl]- (1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol. 50.00%

INERT INGREDIENTS: 50.00%
Total 100.00%

EPA Reg No 538-239

EPA Est No 33967-NJ-1

Product of USA

Sold by:

ProTurf Division

The O M Scott & Sons Company

Marysville, Ohio 43041

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Recommended for Use by Professional Turfgrass Managers

8788

TGR(R)
Turf Enhancer
50 WP

GUSSETS:

40)

RIGHT GUSSET:

8788

(Scotts(R))
ProTurf(R)
BRAND

TGR(R) Turf Enhancer
50 WP

LEFT GUSSET:

(Scotts(R))
ProTurf(R)
BRAND

TGR(R) Turf Enhancer
50 WP

8788

BACK:

TGR^(R) Turf Enhancer
50 WP

8788

(Scotts^(R))
ProTurf^(R)
BRAND

Directions for use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

This product provides:

- slowed vertical growth and reduced mowing for 6 to 8 weeks on established hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees and roughs, and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf areas; use reduced rates on bentgrass and overseeded bermudagrass greens
- improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone
- reduced potential for scalping of all turfgrass areas
- better ball playability on hybrid bermudagrass due to increased turf density and tighter knit turf area
- suppression of Poa annua by reducing its growth and competitive quality

When to Use

For growth suppression of warm season grasses: Use anytime established hybrid bermudagrass and St. Augustinegrass are green, actively growing and have recovered from dormancy (filled in fully following Winter).

For growth suppression of cool season grasses and Poa annua control: Apply in the Spring after green-up and after turf has been mowed once or twice. Apply at least 1 month before onset of high air temperatures. In late Summer/early Fall, apply at least 1 month before anticipated first killing frost.

For color and quality enhancement of winter overseeded turf: Apply anytime after overseeded turf has successfully established itself. Do not apply after March 15th to avoid delay in bermudagrass green-up.

Moderate soil moisture conditions should be present before and after application to achieve the best regulating effect.

How to Use

Apply spray uniformly to turf. For best results, apply 0.25 inch of water within 24 hours after application to remove product from foliage and onto soil surface.

Apply with standard pressurized spray equipment with by-pass or mechanical agitation, using strainer screens of 30 or coarser mesh. Product should be added during filling of tank. When mix is allowed to stand, vigorous agitation should be used to assure materials suspension before application.

It is not necessary to premix this product with water in a separate container prior to adding it to the spray tank.

Spray product to turf in sufficient amount of water (minimum 1 gallon per 1,000 square feet = 43.5 gal/acre) to ensure uniform coverage. For best results, use 2-5 gallons of water per 1,000 square feet. A color agent or other mixing device is suggested to avoid skipping and/or overlapping.

Spray Coverage Chart 1/

RATES DESIRED	POUNDS AND SQUARE FOOT COVERAGE				
	0.5 lb	1.0 lb	1.5 lb	2.0 lbs	2.5 lbs
0.5 lb product/acre	43,560	87,120	130,680	174,240	217,800
1.0 lb product/acre	21,780	43,560	65,340	87,120	108,900
1.5 lb product/acre	14,520	29,040	43,560	65,340	72,600

1/ Product should be mixed with a minimum of 1 gal water/1,000 square feet. Use 2-5 gallons/1,000 square feet for best results.

PRODUCT RATES:

<u>Warm Season Grasses</u>	<u>Cool Season Grasses (except putting greens)</u>	<u>Bentgrass Putting Greens & Overseeded Bermudagrass</u>
1.0 lb/acre (sandy soils) (0.5 lb ai/A)	0.5 - 1.0 lb/acre (0.25 - 0.5 lb ai/A)	0.2 - 0.5 lb/acre (0.1 - 0.25 lb ai/A)
1.5 lb/acre (clay soils) (0.75 la ai/A)		

Apply 0.5 - 0.9 lb nitrogen/1,000 sq. ft. of a non-burning fertilizer (such as Scotts ProTurf granular or fluid fertilizers) with TGR(R) product application on warm and cool season grasses. On bentgrass greens and overseeded bermudagrass, apply 0.25 - 0.5 lb. nitrogen/1,000 sq. ft.

Results to Expect

When applied as directed, vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6-8 week period. Following application, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

Following application of this product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

Growth and competitive ability of Poa annua will be reduced within 1-2 weeks after application; regulation will last 3-8 weeks. Shoot and leaf tissue will become discolored for 3-8 weeks following onset of growth regulation. With proper fertilization, desired turfgrasses will be stimulated to crowd out weakened Poa annua.

As density of treated fairways increases due to altered growth habit, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.

Seedhead formation will not be prevented. Seedheads should be mowed off as they grow above turf cutting height to maintain a desirable looking turf.

Excessive irrigation and/or nitrogen fertilization may shorten period of growth regulation.

Regular response will vary somewhat according to turf variety. For St. Augustinegrass, Bitter Blue will be the most responsive and Floratam the least responsive.

HYBRID BERMUDAGRASS:

<u>Cultivar</u>	<u>Sensitivity/Activity</u>	<u>Period of Growth Regulation</u>	<u>Period of Color Reponse</u>
Tifway I, II	Medium/Good	5-6 weeks	6-8 weeks
Tifgreen	High/Excellent	6-8 weeks	8-10 weeks
Ormond	High/Excellent	6-8 weeks	8-10 weeks

ST. AUGUSTINEGRASS:

<u>Cultivar</u>	<u>Sensitivity/Activity</u>	<u>Period of Growth Regulation</u>	<u>Period of Color Reponse</u>
Floratan, Floralawn	Low/Moderate	4-6 weeks	5-8 weeks
Floratine, Raleigh, Texas Common	Medium/Good	6-7 weeks	7-8 weeks
Bitter Blue, Seville	High/Excellent	7-8 weeks	8-10 weeks

Program Scheduling

If crabgrass or other annual grassy weeds have been a problem in the past, an application of the appropriate preemergent control product should be made before using this product. Space applications of this product and oxadiazon (Goosegrass/Crabgrass Preventer) at least 4 weeks apart.

If a weed, disease or insect problem occurs after application of product, apply control product at recommended rate. This product is compatible with existing control products.

For Growth Regulation: A repeat application within the same growing season may be made, but no sooner than 8 weeks following initial application. Not more than 3 applications at full rate should be made in any one calendar year. On cool season grasses, application rate may be split into 2 applications (0.5 lb. product/A), 3-4 weeks apart.

For Color, Quality Enhancement: On bentgrass and overseeded bermuda putting greens, repeat applications can be made 4-6 weeks apart. On bentgrass/Poa annua greens, low rate (0.2 lb. product) may be used to reduce discoloration of Poa annua. Applications may be repeated at 3 week intervals. Do not apply more than 2.0 lb product/calendar year. Do not apply to overseeded bermudagrass greens after March 15th to avoid delay of Spring green-up of bermudagrass.

Do not aerify or topdress and drag greens with steel mats while turf is under regulation.

Do not seed within 6 weeks prior to or 2 weeks after application of this product.

If Embark_(R) is used for Poa annua seedhead control, apply this product at least 14 days after its application.

Precautions

Not for use on bermudagrass putting greens except for winter overseeding enhancement uses.

Not for use on athletic fields under heavy traffic where maximum growth potential of turf is desired.

Not for use on shrubs, flowers, fruit or vegetables; applications to turf areas under the trees will not affect or harm trees.

Do not use during periods of extreme dry or cold weather conditions, or during heavy insect or disease activity.

Do not apply product when soil is already saturated. Heavy rainfall or irrigation in these areas may cause the active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.

Delay treatment of newly sodded or sprigged turf until grass has knitted down and rooted firmly.

Delay sprigging for at least 4 weeks and sodding at least 2 weeks after application is made.

Do not apply this product through any type of irrigation equipment.

Withhold application on large turf areas that have been thinned from winter damage, disease or insects until desired fill-in is achieved.

Do not use rates greater than those recommended, as they may cause undesirable turf growth control and may discolor areas temporarily.

Storage and disposal

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

STORAGE: Store in a clean, dry place. Do not store or use near heat or open flame. Reseal opened foil bag by folding down top and securing. Place bag in box before storing.

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 foil packages into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

ProTurf Division
The O M Scott & Sons Company
Marysville, Ohio 43041

IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use as described on the label. However, the user should understand that tests have not been carried out under all possible use conditions, and that Scotts cannot and does not warrant that the product is compatible with any other chemicals, or that user's mechanical equipment is appropriate to maintain the product in suspension. User should conduct his own compatibility testing, and should test mixes and equipment thoroughly before using the product on customer's property. This product has not been evaluated on all bentgrass varieties and Poa annua under all possible growing conditions. The user should exercise judgement and caution when using this product on a given variety until familiar with the performance under his growing conditions. Accordingly, SCOTT MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE RESULTS TO BE OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH THESE DIRECTIONS AND THE DIRECTIONS ON THE LABEL. The exclusive remedy of the user or Buyer and limit of liability of The O M Scott & Sons Company or any other Seller, for any and all losses, injuries and 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 an officer of The O M Scott & Sons Company.

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