

Reg. # 538-239

PM-25

PROTURF TGR(R) TURF ENHANCER (Label)

50 WP (S-3085)

8788

197

09/25/89 SY

10/9/89 SY

10/16/89 SC

11/29/89 SC

12/11/89 CR

02/20/90 FW

9/13/90 DM/CR

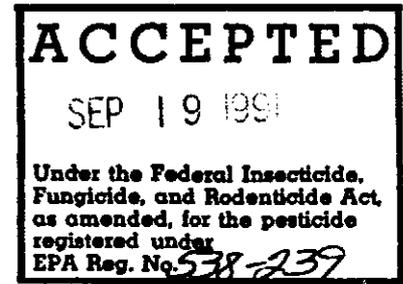
06/18/91 SC

FRONT:

(Scotts(R))
ProTurf(R)
BRAND

TGR(R)
Turf Enhancer
50 WP

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

ACTIVE INGREDIENT:

Paclobutrazol (+)-(R*,R*)-β-[(4-chlorophenyl)methyl]-α-(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 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

50 WP

RIGHT GUSSET:

8788

(Scotts(R))
ProTurf(R)
BRAND

TCR(R) Turf Enhancer
50 WP

UPC

32247

08788

LEFT GUSSET:

(Scotts(R))
ProTurf(R)
BRAND

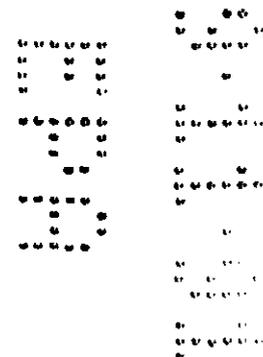
TGR(R) Turf Enhancer
50 WP

8788
(Printing Calendar)

UPC

32247

08788



BACK:

TGR(R) Turf Enhancer
50 WP

8788

497

(Scotts(R))
ProTurf(R)
BRAND

TGR(R) Turf Enhancer
50 WP

Directions for Use

LEFT COLUMN

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

This product provides:

- o 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
- o improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone
- o reduced potential for scalping of all turfgrass areas
- o better ball playability on hybrid bermudagrass due to increased turf density and tighter knit turf area
- o suppression of Poa annua by reducing its growth and competitive ability

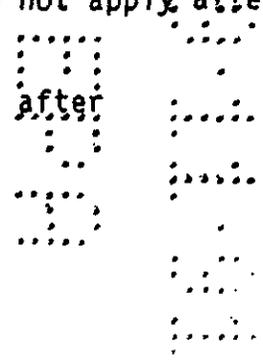
When to Use:

For growth suppression of warm season grasses: Use anytime when 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 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 the tank. When tank 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 marking device is suggested to avoid skipping and/or overlapping.

Spray Coverage Chart¹

RATES DESIRED	POUNDS AND SQUARE FOOT COVERAGE				
	0.5 lb	1 lb	1.5 lbs	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 lbs product/acre	14,520	29,040	43,560	65,340	72,600

¹ Product should be mixed with minimum 1 gal water/1,000 sq ft, use 2-5 gals/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 Bermuda</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 lb 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 product application on warm and cool season grasses. On bentgrass greens and overseeded bermudagrass, apply 0.25-0.5 lb N/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 product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

BACK CONTINUED:

6 of 7

Results to Expect (Cont'd)

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.

Regulator 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 Response</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 Response</u>
Floratam, 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 preemergence control product should be made before the use of this product. Space applications of this product and oxadiazon (Goosegrass/Crabgrass Preventer) at least 4 weeks apart.

If a weed, disease or insect problems 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 rates (0.2 lbs 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 lbs product/calendar year. Do not apply to overseeded bermudagrass greens after March 15th to avoid delay of spring greenup 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 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 trees will not affect/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 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.