

PM 22

538-212

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

222948

Application for Pesticide - Section I

1. Company/Product Number 538-212	2. EPA Product Manager Cynthia Giles-Parker	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Fertilizer with TGR(R) Poa annua Control	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) The Scotts Company 14111 Scottslawn Road Marysville, Ohio 43041 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated 11/1/93
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: We have changed the Limitation of Liability to a Disclaimer and Limitation of Liability and changed the name in this section from "The Scotts Company or any other seller" to "The Scotts Company or its affiliates".

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Vincent Snyder, Jr.	Title Senior Technical Associate	Telephone No. (Include Area Code) (513) 644-0011	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature THE SCOTTS COMPANY By: <u>Vincent Snyder, Jr.</u>		3. Title Senior Technical Associate	
4. Typed Name Vincent Snyder, Jr.		5. Date November 1, 1995	



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Net Weight 31.94 lbs. (14.48 kg)

KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION. Keep out of reach of children. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Causes eye irritation. If in eyes, flush with plenty of water. Get medical attention if irritation persists. Do not contaminate feed or foodstuffs. Do not graze treated areas. 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.

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

ACTIVE INGREDIENT:
Paclobutrazol (±)-(R*,S*)-6-[(4-chlorophenyl)methyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol 0.42%
*** INERT INGREDIENTS:** 99.58%
Total 100.00%

Guaranteed Analysis

Total nitrogen (N)	31%
0.5% ammoniacal nitrogen	
29.5% urea, methylene urea nitrogen*	
0.9% water insoluble nitrogen	
Available phosphate (P ₂ O ₅)	3%
Soluble potash (K ₂ O)	9%
Derived from: monoammonium phosphate, urea, methylene urea, and potassium sulfate.	
*Contains 9.2% slowly available methylenediurea nitrogen.	

EPA Reg. No. 538-212
US Pat. Nos. 4,378,238 and 5,102,440

Professional Business Group, The Scotts Company
14111 Scottslawn Rd.
Marysville, OH 43041
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EPA Est. No. 538-OH-1
Product of U.S.A.

Recommended For Use By Professional Turfgrass Managers

Directions for use

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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. 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.

POA ANNUA CONTROL

For suppression of *Poa annua* in bentgrass, zoysiagrass, Kentucky bluegrass, and Kentucky bluegrass/perennial ryegrass fairways, tees and roughs, and bentgrass greens. Repeat applications in a programmed approach will result in the gradual elimination of *Poa annua* as a major component of the turfgrass stand. Once the desired level of *Poa annua* is obtained, annual applications and appropriate management practices will help prevent *Poa annua* from reestablishing as a major management problem.

What To Expect

The growth and competitive ability of *Poa annua* will be reduced within 1-2 weeks of an application. The shoot and leaf tissue will become discolored (yellow to brown) for 3-6 weeks following the onset of growth regulation. Growth reduction of *Poa annua* will last for at least 3-6 weeks. During this period, growth of bentgrass, zoysiagrass, Kentucky bluegrass, and perennial ryegrass will be stimulated to "crowd out" the weakened *Poa annua*. Creeping bentgrass will be more effective than Colonial bentgrass varieties in aggressively encroaching *Poa annua* areas. On bentgrass greens, growth reduction of *Poa annua* may last longer than 6 weeks and in some cases *Poa annua* discoloration may not occur during this growth reduction period.

The formation of *Poa annua* seedheads will not be prevented, but spring and previous fall applications will stunt the growth of the seedhead stalk. Applications made just prior to seedhead emergence will greatly reduce the visibility of seedheads for 3-6 weeks.

Regreening/growth of *Poa annua* will occur 4-8 weeks after application. Bentgrass, Kentucky bluegrass, and perennial ryegrass color will be enhanced for 6-12 weeks under non-stress conditions.

Stress conditions following application may result in temporary undesirable color changes of bentgrass and Kentucky bluegrass. Avoid these conditions by irrigating and applying at the recommended time.

Treatments will not have any detrimental effects on turfgrass root growth under normal growing conditions and when used as directed.

The degree of *Poa annua* control will be influenced by turfgrass management practices, climate, soil type, bentgrass variety, and *Poa annua* biotype.

Program Scheduling

Use any time when *Poa annua* is actively growing. Avoid applications during stressful conditions since the extent of discoloration on *Poa annua* and other desirable grasses may be unacceptable.

Fairways and roughs: Repeat late summer/early fall followed by spring applications are recommended for gradual *Poa annua* control. Avoid applications during stressful conditions.

Greens and tees: Apply 1-2 weeks prior to *Poa annua* seedhead emergence to reduce seedhead visibility and encourage bentgrass growth and coverage. Repeat applications can be made under non-stress conditions at least 2 weeks after *Poa annua* has recovered from any discoloration.

For long-term control in areas containing a high initial percentage of *Poa annua* contamination, repeat applications over a 2 to 3 year period may be required before the desirable grasses predominate.

Moderate soil moisture conditions should be present before and after application to achieve the best regulating effect (see precautions concerning saturated soil conditions). For best results, avoid applications during extreme soil temperature and moisture conditions.

Spring applications should be delayed until any observable effects from preemergent control applications on bentgrass growth, color and quality have subsided.

Where large areas of the desirable turf have been thinned from winter damage, disease or insects, withhold application until desired fill-in and rooting of the turf stand is achieved.

Continue normal cultural practices after application. However, do not aerify and topdress greens while *Poa annua* is undergoing growth regulation. Allow aeration treatments to heal before applying product.

When *Poa annua* populations have been reduced to the desired level, annual late summer/early fall applications are recommended where continuous long-term control is desired.

How To Use

Apply to dry foliage. For best results, water in (at least 1/4 inch) within 48 hours after application.

Adjust the application rate according to the percent of *Poa annua* contamination:

<i>Poa annua</i> Contamination Level	Recommended Application Rate
High (50%-70%) <i>Poa annua</i> population density	LIGHT for less overall discoloration of <i>Poa annua</i>
Low (less than 50%) <i>Poa annua</i> population density	NORMAL (for quicker removal)

Additional Program Scheduling

Overseeding is recommended to hasten conversion from *Poa annua* to the more desirable grasses. To avoid stunting the growth of the desirable seedlings allow at least 2 weeks following treatment before overseeding, and in newly overseeded areas, make treatments at least 6 weeks after overseeding.

If crabgrass or other annual weeds have been a problem in the past, an application of the appropriate preemergent control product should be made before using this product.

If a weed, disease or insect problem occurs after application, apply a recommended control

product in the same manner as is normally practiced, since the use of this product is compatible with existing control products.

If Embark® is used for *Poa annua* seedhead control, apply this product at least 14 days after Embark® use to avoid potential discoloration of bentgrass and Kentucky bluegrass.

Avoid fall applications during onset of turfgrass dormancy to prevent fall and early spring discoloration of bentgrass and Kentucky bluegrass. Subsequent renewed growth and spring mowing will eliminate this potential discoloration.

Applications made in the fall after the desirable grasses have ceased growing may result in less color response and reduced or delayed activity in affecting *Poa annua* but will provide both a greening response on the desirable grasses as well as growth suppression of *Poa annua* the following spring.

Collecting clippings and the use of lightweight equipment throughout the year will enhance the long-term performance of treatments.

Embark® is a registered trademark of the PBI Gordon Corporation.

PRECAUTIONS

Not for use on hybrid bermudagrass areas.

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

Do not apply to Kentucky bluegrass collars and other areas around greens where consistent turf height and color is desired.

Not for use around shrubs, fruit trees, flowers or vegetable plants; however, applications to turf areas under the tree canopies will not affect or harm trees.

Do not use during periods of extreme environmental stress, such as heat, drought, or cold, or during heavy insect or disease activity.

Frequent irrigation after application throughout hot and dry weather conditions will help prevent potential discoloration of bentgrass and Kentucky bluegrass and ensure continued aggressive growth of the desirable grasses into *Poa annua* areas.

Heavy rainfall or irrigation after application in areas where the soil is already saturated may cause the active ingredient to move laterally on steep slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time. To avoid this response, do not apply when soil is already saturated.

Do not use spreader settings other than those recommended. Improper rates may cause undesirable turf growth control and areas may discolor temporarily.

Where large areas of the desirable turf have been thinned from winter damage, disease, or insects, withhold application until desired fill-in and rooting of the turf stand is achieved.

Use in areas containing greater than 70% *Poa annua* will result in more widespread discoloration of the fairway and green and may not appear acceptable to the user. Use of other cultural techniques are encouraged to lower the percentage of *Poa annua* below the 70% level.

GROWTH REGULATION OF LAWN TURFGRASSES

For growth regulation of well-maintained, lawn-height commercial, industrial and residential bluegrass, ryegrass and *Poa annua* turfgrass areas that are on regular fertilization programs.

What To Expect

Applications made at the "NORMAL" rate between March 1 - April 30 (spring) or September 1 - October 31 (fall) will result in reduced vertical growth, mowing frequencies and clipping yields of lawn-height bluegrass, ryegrass and *Poa annua* turfgrass areas. Also realized will be improved and extended color and the overall improvement in turfgrass quality.

PRECAUTIONS

Do not make more than 2 spring and 1 fall applications per year.

Do not make applications to turf areas containing more than 50% *Poa annua*.

Do not make applications outside March 1 - April 30 or September 1 - October 31 periods.

Do not use during the recommended period if extreme environmental stresses such as heat, drought or cold or if heavy insect or disease pressures are present.

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.

IMPORTANT NOTICE:

DISCLAIMER AND LIMITATION OF LIABILITY

While a wide variety of tests have been conducted, it must be understood that this product has not been tested on greens of all bentgrass varieties 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. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS, OR IMPLIED CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT ON BENTGRASS GREENS 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 Scotts Company or its affiliates, 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 a duly authorized representative of The Scotts Company.

Professional Business Group
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Recommended Spreader Settings

To provide proper distribution calibrate spreader before application.

31.94 lbs. treats 15,000 ft.² (3/8 acre) at LIGHT RATE.

31.94 lbs. treats 11,000 ft.² (1/4 acre) at NORMAL RATE.

SPREADER FOR GREEN APPLICATIONS	GROUND SPEED	WIDTH OF COVERAGE	RECOMMENDED SPREADER SETTINGS LIGHT RATE 20X	NORMAL RATE 1X
Scotts Rotaries R-7, R-7X** R-8A, SR-1 (cone 7)	3 mph	6 ft.	C 1/2	D 1/2
	3 mph	6 ft.	H 1/2	J
NON-GREENS USES				
Scotts Rotaries R-7, R-7X** R-8A, SR-1 (cone 7)	3 mph	12 ft.	E 1/2	G 1/2
	3 mph	12 ft.	J 1/2	L
Lely Models (see below)	4.5 mph	30 ft.	4 1/4 III	5 III
Vicon (Model 02)	4.5 mph	30 ft.	19	24
Vicon (Model 03)	4.5 mph	24 ft.	17	21

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

* 1/2 rate, 1/2 width recommendations

** Move aside to 1/4 closed position.

Metric Coverage: 14.46 kg treats 1532m² at the LIGHT RATE and 1022m² at the NORMAL RATE.