

9198-196

10-10-2008

1/17



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms Clair Engelbert
P.O. BOX 119
Maumee, Ohio 43537

OCT 10 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Primary Brand Name **"The Andersons Golf Products Fertilizer
Plus Fungicide VII"**
EPA Reg. No. 9198-196
Application Dated September 18, 2008

Dear: Registrant,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 09/18/2008 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 9198-196	2. EPA Product Manager Waller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Fertilizer with TGR® POA ANNUA Control	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fert. Div., Inc. d/b/a Free Flow Fert. PO Box 119 Maumee, OH 43537 <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. NOTIFICATION Product Name OCT 10 2008	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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 of Primary Brand Name per PR Notice 98-10: Fertilizer with TGR® POA ANNUA Control

This notification is consistent with the guidance of PR Notice 98-10 and the requirements of EPA's regulations at 40 CFR 156.10 and 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 98-10 and the requirements of 40 CFR 156.10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
				Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 15 - 2,000 lbs.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other Pocket	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Clair Engelbert	Title Product Development Technician	Telephone No. (Include Area Code) 419-691-2780
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 <i>Clair Engelbert</i>	3. Title Product Development Technician	
4. Typed Name Clair Engelbert	5. Date 09/15/08	

Andersons Golf Course Brand

Andersons Golf Products Fertilizer Plus Fungicide VII

- Suppresses *Poa annua* growth in bentgrass, zoysiagrass, Kentucky bluegrass; and Kentucky bluegrass/perennial ryegrass fairways, tees, and roughs and bentgrass greens
- Encourages preferential and aggressive growth of bentgrass, zoysiagrass, Kentucky bluegrass, and perennial ryegrass into adjacent *Poa annua* areas
- Extends color response through controlled-release nitrogen feeding and growth modification from Nutralene® technology

Net Weight 9.15 lbs (4.15 kg)

KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS

NOTIFICATION

OCT 10 2008

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. Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

FIRST AID

- If in eyes Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice
- If swallowed Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If on skin Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If inhaled Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

Personal Protective Equipment

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, shoes plus socks.

Follow manufacturer's instructions for cleaning/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:

- 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, or 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 (\pm)-(R*,R*)-B-[(4-chlorophenyl)methyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol 1.38%

INERT INGREDIENTS: 98.62%
Total 100.00%

Guaranteed Analysis

Total Nitrogen (N) XX%
Available Phosphate (P₂O₅) XX%
Soluble Potash (K₂O) XX%

Plant nutrients derived from:

For products being sold into states which require metal information on fertilizers:

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com/>

EPA Reg. No. 9198-196

EPA Est No. 538-OH-1S, 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is first letter used in run code on bag

US Pat Nos. 3,705,794 and 3,989,470

Product of USA

{Note to EPA: The following gussett information is optional, depending on bag style:}

Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

RIGHT GUSSET:
Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

LEFT GUSSET:
Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

Andersons Golf Products BRAND

Fertilizer With TGR™ *Poa annua* control

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.

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.

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 3-8 weeks following the onset of growth regulation. Growth reduction of *Poa annua* will last for at least 3-8 weeks. During this period, growth of bentgrass, zoysiagrass, Kentucky bluegrass, and perennial ryegrass will be stimulated to "crowd out" the weakened *Poa annua*. Creeping bentgrasses 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 8 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 3-5 weeks.

Regreening/regrowth 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 apply 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 one or two 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 two 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 applications 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 aerification 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 ¼ inch) within 48 hours after application.

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

<u><i>Poa annua</i> Contamination Level</u>	<u>Recommended Application Rate</u>
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 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 the 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 mowings 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 PBI Gordon Corporation.

PRECAUTIONS

Not for use on hybrid bermudagrass areas or sod farms.

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 are 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.

When 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 or 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 fertilizer 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 application per year.

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

Do not make applications outside the 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 pressure are present.

Storage and Disposal

Do not contaminate water, food, or feed by storage and 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 and disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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.

{Note to EPA: actual spreader models may vary depending on market demand and availability. Metric information is optional depending on market}

Recommended Spreader Settings						
To provide proper distribution calibrate spreader before application						
9.15 lbs. (4.15 kg) treats 11,000 ft ² (1/4 acre/1022m ²) at Normal rate						
9.15 lbs. (4.15 kg) treats 16,500 ft ² (3/8 acre/1532m ²) at Light rate						
Spreader	Ground or PTO Speed	Width of Coverage	Spreader Settings			
			Light		Normal	
			1/3 X	2/3 X	1/2 X	1 X
Scotts Rotaries** R-7, R-7X* R-8A (cone X)	3 mph 3 mph	XX ft XX ft	X X	X X	X X	X X
Lely Models (see below)	4.5 mph	XX ft	X	X	X	X
Vicon	4.5 mph	XX ft	X	X	X	X

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Lely models WTR, WFR, HR and 1250. PTO at 450 RPM.
*Move slide to ¼ closed position
** For more uniform coverage on greens, apply at half the light (1/3X) and normal (1/2X) rates and use half widths (5 ½ ft.) to achieve the intended Light and Normal application rate.

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS: THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION. (RVamd082102)

Manufactured by
The Andersons Lawn Fertilizer Division, Inc.
D/b/a Free Flow Fertilizer
PO Box 119
Maumee, OH 43537

Date Printed	10/17/08
Date Approved	(transfer from Scotts)
Supersedes	
Label Changes	Notification – Primary Brand Name Change
Filename	9198-196 high end
Label Code	RVamd082102

Andersons Golf Course Brand

Andersons Golf Products Fertilizer Plus Fungicide VII

- Suppresses *Poa annua* growth in bentgrass, zoysiagrass, Kentucky bluegrass, and Kentucky bluegrass/perennial ryegrass fairways, tees, and roughs and bentgrass greens
- Encourages preferential and aggressive growth of bentgrass, zoysiagrass, Kentucky bluegrass, and perennial ryegrass into adjacent *Poa annua* areas
- Extends color response through controlled-release nitrogen feeding and growth modification from Nutralene® technology

Net Weight 701.45 lbs (318.17 kg)

KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS

NOTIFICATION

OCT 10 2008

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. Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

FIRST AID

- | | |
|--------------|---|
| If in eyes | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice |
| If swallowed | Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| If on skin | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| If inhaled | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice |

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

Personal Protective Equipment

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, shoes plus socks.

Follow manufacturer's instructions for cleaning/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:

- 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.

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Environmental Hazards: Do not apply directly to water, or 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:

Pacllobutrazol (±)-(R*,R*)-B-[(4-chlorophenyl)methyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol 0.018%

INERT INGREDIENTS: 99.982%
Total 100.000%

Guaranteed Analysis

Total Nitrogen (N) XX%
Available Phosphate (P₂O₅) XX%
Soluble Potash (K₂O) XX%

Plant nutrients derived from:

For products being sold into states which require metal information on fertilizers:

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com/>

EPA Reg. No. 9198-196

EPA Est No. 538-OH-1S, 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is first letter used in run code on bag

US Pat Nos. 3,705,794 and 3,989,470

Product of USA

{Note to EPA: The following gusset information is optional, depending on bag style:}

Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

RIGHT GUSSET:
Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

LEFT GUSSET:
Andersons Golf Fertilizer with TGR™ Product Code UPC
Products brand *Poa annua* Control

Andersons Golf Products BRAND

Fertilizer With TGR™ *Poa annua* control

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.

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.

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 3-8 weeks following the onset of growth regulation. Growth reduction of *Poa annua* will last for at least 3-8 weeks. During this period, growth of bentgrass, zoysiagrass, Kentucky bluegrass, and perennial ryegrass will be stimulated to "crowd out" the weakened *Poa annua*. Creeping bentgrasses 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 8 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 3-5 weeks.

Regreening/regrowth 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 apply 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 one or two 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 two 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 applications 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 aerification 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 ¼ inch) within 48 hours after application.

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

<u>Poa annua Contamination Level</u>	<u>Recommended Application Rate</u>
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 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 the 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 mowings 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 PBI Gordon Corporation.

PRECAUTIONS

Not for use on hybrid bermudagrass areas or sod farms.

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 are 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.

When 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 or 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 fertilizer 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 application per year.

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

Do not make applications outside the 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 pressure are present.

Storage and Disposal

Do not contaminate water, food, or feed by storage and 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 and disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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.

{Note to EPA: actual spreader models may vary depending on market demand and availability. Metric information is optional depending on market}

Recommended Spreader Settings						
To provide proper distribution calibrate spreader before application						
701.45 lbs. (318.17 kg) treats 11,000 ft ² (1/4 acre/1022m ²) at Normal rate						
701.45 lbs. (318.17 kg) treats 16,500 ft ² (3/8 acre/1532m ²) at Light rate						
Spreader	Ground or PTO Speed	Width of Coverage	Spreader Settings			
			Light		Normal	
			1/3 X	2/3 X	1/2 X	1 X
Scotts Rotaries**						
R-7, R-7X*	3 mph	XX ft	X	X	X	X
R-8A (cone X)	3 mph	XX ft	X	X	X	X
Lely Models (see below)	4.5 mph	XX ft	X	X	X	X
Vicon	4.5 mph	XX ft	X	X	X	X

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Lely models WTR, WFR, HR and 1250. PTO at 450 RPM.
*Move slide to ¼ closed position
** For more uniform coverage on greens, apply at half the light (1/3X) and normal (1/2X) rates and use half widths (5 ½ ft.) to achieve the intended Light and Normal application rate.

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS: THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION. (RVamd082102)

Manufactured by
The Andersons Lawn Fertilizer Division, Inc.
D/b/a Free Flow Fertilizer
PO Box 119
Maumee, OH 43537

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