

31-3-7

with TGR® *Poa annua* Control



FEATURES & USE TIPS:

- 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.

PRODUCT SPECIFICATIONS:

N (31%):	A minimum of half of the nitrogen is derived from slow release methylene urea nitrogen. The remaining nitrogen is from water-soluble urea
P - as P₂O₅ - (3%):	
K - as K₂O - (7%):	Potassium sulfate
S (2.38%):	Combined Sulfur
Active Ingredient:	Paclobutrazol 0.42%

PRODUCT CODE:
AGC8712.1

Date: 041904
Supersedes: 000000

PRODUCT CHARACTERISTICS:

Product Type:
Turf growth regulator with fertilizer

Nitrogen Type:
Methylene urea

Particle Size:
SGN: 100

Net Weight:
50 lbs.

Coverage:
18,700 sq. ft. at the light rate

Andersons Golf Products is a trademark of The Andersons Agriservices, Inc.; TGR is a registered trademark of The Scotts Co.; Embark® is a registered trademark of the PBI Gordon Corporation

To order, contact your local Andersons Golf Products distributor.

For more information, contact Andersons at our website: www.andersonsgolfproducts.com or call 1-800-225-2639.

ACTIVE INGREDIENT

Paclobotrazolf	0.42%
OTHER INGREDIENTS	99.58%
Total	100.00%

†CAS No. 76738-62-0
EPA Reg. No. 9198-196
EPA Est. Nos. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A, 9198-PA-001P
Underlined letter is first letter used in run code on bag.

GUARANTEED ANALYSIS

Total Nitrogen (N)	31.00%
1.17% Ammoniacal Nitrogen	
16.66% Urea Nitrogen	
5.42% Water Insoluble Nitrogen	
7.75% Other Water Soluble Nitrogen*	
Available Phosphate (P ₂ O ₅)	3.00%
Soluble Potash (K ₂ O)	7.00%
Sulfur (S)	2.38%
2.38% Combined Sulfur (S)	

Plant nutrients derived from urea, methylene ureas, ammonium phosphate and potassium sulfate. **F292**

*7.75% Slowly Available Nitrogen from Methylene Ureas
Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>.

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. 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 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 personal protective equipment (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.

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 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 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 one to 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 2 weeks after *Poa annua* has recovered from any discoloration. For long-term control in areas containing 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 pre-emergent 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 mowings will eliminate this potential discoloration. Applications made in the fall after 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.

Precautions

Not for use on hybrid bermudagrass areas or sod farms.

Not for use on athletic fields under heavy traffic where maximum growth potential of 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 blue-

grass 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: 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. Where permissible, 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. 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.

This is a specimen label and may be inaccurate or out of date. It is intended as a guide in providing general information regarding use of this product. Always read and follow the label on the product container.

LEGAL RIGHTS:

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

Suggested Spreader Settings

For proper distribution, calibrate spreader before application.
50 lbs. treats 12,500 sq. ft. (0.29 acre) at the NORMAL RATE (1x)
50 lbs. treats 18,700 sq. ft. (0.42 acre) at the LIGHT RATE (2/3x)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE		NORMAL RATE	
			1/3x	2/3x	1/2x	1x
Andersons Rotaries: AccuPro1000*/2000*/ SR-2000* (Cone 9)	3 mph	12 feet	G 1/2	I 3/4	H 1/4	K
Andersons SS-2 Drop	3 mph	overlap wheels	3 1/4	4 1/2	3 3/4	5
Scotts Rotaries: R-8, R-8A (Cone 9)	3 mph	12 feet	F 1/2	H	F 3/4	I 1/2
Lely Models WTR, WFR, HR, 1250. (PTO at 450 rpm)	4.5 mph	30 feet	2 1/2 III-C	4 III-C	3 III-C	5 III-C
Vicon (03 Series-Standard Spout)	4.5 mph	24 feet	11	17	13	24

*For more uniform coverage on greens, use the 1/3x setting (for LIGHT RATE) or the 1/2x setting (for NORMAL RATE) and use half widths. This will achieve the intended LIGHT (2/3x) or NORMAL (1x) 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.

AGC8712.1

Product of USA

Manufactured by:

The Andersons Lawn Fertilizer Division, Inc.
P. O. Box 119, Maumee, OH 43537
1-800-225-2639

Visit us on the web at: www.AndersonsGolfProducts.com