

9198-205

07/31/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Debbie Ziehr  
The Andersons Lawn Fertilizer Division, Inc  
PO Box 119  
Maumee, OH 43537

JUL 31 2012

Subject Label Amendment – Use Deletion  
Andersons Golf Products Turf Enhancer 2SC  
EPA Registration No 9198-205  
Decision No 389310  
Original Submission Date January 23, 2008  
Resubmission Date August 17, 2011 and October 12, 2011

Dear Ms Ziehr

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended to remove residential uses is acceptable provided you make the following changes

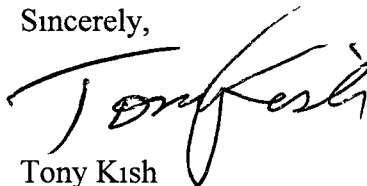
- 1 Pg 1-2 – Reorder statements as shown per the Label Review Manual page 3-9
  - a Product Name
  - b “Do not use on home/residential lawns ”
  - c Ingredient Statement
  - d Guaranteed Analysis
  - e KOOROC/Signal Word/Precautionary statements
  - f First Aid
  - g Net Contents
  - h PPE
  - i User Safety Box
  - j Environmental Hazards
  - k Marketing Statements
- 2 Pg 1 – Adjust the size of the KOOROC statement and Signal Word according to page 3-11 of the Label Review Manual
- 3 Pg 4 – Paragraph 3 of the Use Directions section uses the word “insufficient” which must be corrected to read “in sufficient ”
- 4 Pg 5 – In paragraph 4 of the Results to Expect section correct the phrase “higher or turf” to “higher on turf ”
- 5 Pg 5 – Correct the spelling of “Regulation” in column 3 of both tables

- 6 Pg 6 – Delete the “ ” After the word “made” in the “For Growth Regulation” statement
- 7 Pg 6 – Correct “Do no” to “Do not” in the statement “Do no apply to overseeded Bermuda grass ” under “For Color, Quality Enhancement ”
- 8 Pg 7 – Storage and Disposal Section
  - a Delete the word “Prohibition”
  - b Move “Nonrefillable container Do not reuse or refill empty container,” to the beginning of the Container Disposal section
  - c Rename “Container Disposal” as “Container Handling”
  - d Define “Triple Rinse” as per PRN 2007-4 in the Container Handling section

In a letter dated January 23, 2008, EPA received a request from The Andersons Lawn Fertilizer Division, Inc , to voluntary terminate home/residential lawn uses from the registration of Andersons Golf Products Fertilizer Plus Fungicide VII (EPA Registration No 9198-196) The Notice of Receipt of Request to Terminate Home/Residential Lawn Uses for Andersons Golf Products Fertilizer Plus Fungicide VII was published in the *Federal Register* on August 27, 2009 (74 FR 43700), and the comment period closed on September 28, 2009 EPA did not receive any public comment in response to the Notice As a result, the use of Andersons Golf Products Fertilizer Plus Fungicide VII on home/residential lawns was canceled by a Final Order dated July 10, 2012 That order included provisions for existing stocks, which are defined, pursuant to EPA’s existing stocks policy (56 FR 29362, June 26, 1991), as those stocks of registered pesticide products which are currently in the United States and which were packaged, labeled, and released for shipment prior to the effective date of the amendment or cancellation action Pursuant to that order of July 10, 2012, the Agency will allow The Andersons Lawn Fertilizer Division, Inc , to continue to sell and distribute existing stocks of products bearing old labeling for one year after the date of that order through July 10, 2013 Also pursuant to that order of July 10, 2012, persons other than the registrant may continue to distribute, sell, and/or use existing stocks of products bearing old labeling until such stocks are exhausted, provided that such use of existing stocks is consistent in all respects with the previously-approved labeling accompanying the product

Submit one copy of your final printed labeling before you release the product for shipment A copy of the labeling stamped “Accepted with Comments” is enclosed for your records Your release for shipment of the product constitutes acceptance of these conditions If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov)

Sincerely,



Tony Kish  
 Product Manager (22)  
 Fungicides Branch  
 Registration Division (7504P)

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# Andersons Golf Products™ Turf Enhancer 2SC

## Do not use on home / residential lawns

- 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
- Improved extended fertilizer performance when used with a nitrogen fertilizer
- Suppression of *Poa annua*

Net Contents 64 oz (1.89 liters)

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JUL 31 2012**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
PRECAUTIONARY STATEMENTS**

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

**Hazards to Humans and Domestic Animals HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED** Avoid contact with skin eyes or clothing 9198-205

<b>FIRST AID</b>	
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 or clothing	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 in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes Remove contact lenses if present after the first 5 minutes then continue rinsing 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	

Do not use on areas to be cultivated for food or food crops Do not graze treated areas or harvest for forage or hay

### Personal Protective Equipment

Some materials that are chemical resistant to this product are listed below If you want more options follow the instructions for category C on an EPA chemical resistance category selection chart

Applicators and other handlers must wear Long-sleeved shirt and long pants chemical resistant gloves made of any waterproof material such as barrier laminate or butyl nitrile or neoprene rubber or polyethylene and shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate Do not reuse them Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE) If no such instructions for washables use detergent and hot water Keep and wash personal protection equipment separately from other laundry

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**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

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

**ACTIVE INGREDIENT**

Paclobutrazol F

22.90%

**OTHER INGREDIENTS**

77.10%

Total

100.00%

FCAS No 76738-62-0

Contains 2 pounds active ingredient per gallon

EPA Reg No 9198-205

EPA Est No XXXX-XX-X

Made in UK Packaged in U S A

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## Andersons Golf Products™ Turf Enhancer 2SC

### DIRECTIONS FOR USE

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 12 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, chemical resistant gloves made of any waterproof material such as barrier laminate or butyl nitrile or neoprene rubber or polyethylene and shoes plus socks.

### USE INFORMATION

This product is a plant growth regulator for turfgrass that slows grass growth for up to 2 months after application. The frequency of mowing can be reduced by up to 50% during the period of effective retardation. Used alone, this product will not prevent seedhead production, and tank mixture for a spray program using an appropriate seedhead control agent (Embark®) is required in situations where seedhead visibility is a problem. Use of this product on fine turf should be accompanied by moderate-to-high fertility to maintain turfgrass appearance and reduce discoloration. Some grasses (e.g. *Poa annua*) can be more retarded than others leading to selective control after prolonged use.

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 or used in association with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone.
- Reduce 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 ability.

**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 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 15<sup>th</sup> to avoid delay in bermudagrass green-up

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

**USE DIRECTIONS**

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 50 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

Spray product to turf insufficient 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 Chart<sup>1</sup>**

Rate of Active Ingredient per Acre	Fluid Ounces of Product per Acre
0.10 lbs ai/A	6.4 oz
0.25 lbs ai/A	16.0 oz
0.50 lbs ai/A	32.0 oz
0.75 lbs ai/A	48.0 oz

<sup>1</sup>Product should be mixed with minimum of 1 gal water/1 000 sq ft use 2-5 gals/1 000 sq ft for best results

**Product Rates**

Warm Season Grasses	Cool Season* Grasses (except putting greens)	Bentgrass Putting Greens and Overseeded Bermudagrass
0.50 lbs ai/A (sandy soils) 0.75 lbs ai/A (clay soils)	0.25 to 0.50 lbs ai/A	0.10 to 0.25 lbs ai/A

\*Reduce rate by 50% if *Poa annua* is a significant portion of turfgrass population

Apply 0.5 – 0.9 lb nitrogen/1 000 sq ft of a non-burning fertilizer (such as Andersons Golf Products™ granular or fluid fertilizers) with Turf Enhancer 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 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

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**

CULTIVAR	SENSITIVITY/ ACTIVITY	PERIOD OF GROWTH REGULATION	PERIOD OF COLOR RESPONSE
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**

CULTIVAR	SENSITIVITY/ ACTIVITY	PERIOD OF GROWTH REGULATION	PERIOD OF COLOR RESPONSE
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 preemergent product (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. No more than 3 applications should be made in any one calendar year.

**For Color, Quality Enhancement** On bentgrass and overseeded bermuda putting greens repeat applications can be made 4-6 weeks apart. No more than 4 applications should be made in any one calendar year at full label rate.

Do not apply to overseeded bermudagrass greens after March 15<sup>th</sup> to avoid delay of Spring green up of bermudagrass.

Do not aerify or topdress and drag greens with steel mats while turf is under growth 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 the application of Embark.

### **USE PRECAUTIONS**

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

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

**Do Not** for use on shrubs, flowers, fruits, or vegetable plants. Applications to turf areas under the tree 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 steep slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.

**Do not** use on areas containing greater than 70% *Poa annua* since discoloration of *Poa annua* may be unacceptable.

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.



Shake container thoroughly before use

Broadleaf weeds are not significantly affected by this product. To control the growth of weeds treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.

Do not use on areas to be cultivated for food or food crops or to be resown with grasses within 2 years of treatment.

**Do not** graze treated areas or harvest for forage or hay.

**Storage and Disposal**

**PROHIBITION** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Nonrefillable container. Do not reuse or refill empty container.

**STORAGE** Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.

**PESTICIDE DISPOSAL** Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if 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. 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.

Sold by  
The Andersons Lawn Fertilizer Division Inc  
PO Box 119  
Maumee OH 43537

{product code}

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