

9198-140

4/17/2009

1085



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Debbie Ziehr
Product Registration
The Andersons Lawn Fert. Div., Inc
PO Box 119
Maumee, OH 43537

APR 17 2009

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Alternate Brand Names "The Andersons Turf Products
Fertilizer with 0.426% Barricade Herbicide 18-0-4" and "Andersons Golf
Products Fertilizer with 0.426% Barricade Herbicide 21-0-5"
EPA Reg. No. 9198-140
Application Dated March 9 2009

Dear Ms Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 03/09/09 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 Owen F. Beeder of my staff at 703-308-8899.

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 9198-140	2. EPA Product Manager Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Andersons Fertilizer with 0.426% Barricade Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fert. Div., Inc. d/b/a Free Flow Fert. P.O. 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 APR 17 2009	

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 Alternate Brand Name per PR Notice 98-10: The Andersons Turf Products Fertilizer with 0.426% Barricade Herbicide 18-0-4
Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 21-0-5

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	
				<input type="checkbox"/> Glass	
				<input checked="" type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
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 Debbie Ziehr		Title Regulatory Administrator	
		Telephone No. (Include Area Code) 419-891-6671	
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 		3. Title Regulatory Administrator	
4. Typed Name Debbie Ziehr		5. Date 3/9/09	



The Andersons, Inc.

P.O. Box 119 • Maumee, Ohio 43537 • 419/893/5050

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March 9, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs - (7504P)
U. S. Environment Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: NOTIFICATION - Additional Brand Name

RE: The Andersons Fertilizer with 0.426% Barricade Herbicide
EPA Reg. No. 9198-140

Per PR Notice 98-10, enclosed is an EPA Form 8570-1, an application notifying the Agency that we wish to market additional products under the subject basic registration. The additional brand name is:

The Andersons Turf Products Fertilizer with 0.426% Barricade Herbicide 18-0-4

Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 21-0-5

One copy of the draft label is enclosed.

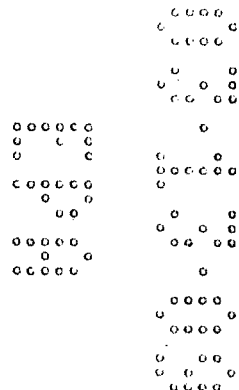
If there are any questions regarding this notification, please contact me.

Sincerely,

The Andersons Lawn Fertilizer Division, Inc.

Debbie Ziehr
Regulatory Administrator
Phone #419-891-6671
Fax #419-891-2745
Email: Debbie_ziehr@andersonsinc.com

Enclosure



The Andersons Turf Products

Fertilizer with 0.426% Barricade® Herbicide 18-0-4

• Contains NutriSphere-N®

For preemergence control of grass and broadleaf weeds in established lawns and turf grasses (excluding golf course putting greens).

GUARANTEED ANALYSIS

Total Nitrogen (N)	18.00%
18.00% Urea Nitrogen	
Soluble Potash (K ₂ O)	4.00%
Plant nutrients derived from urea and potassium chloride.	
Chlorine (Cl) Max.	3.40%
	F292

ACTIVE INGREDIENT:	0.426%
Prodimin®	59.574%
OTHER INGREDIENTS:	
Total	100.000%
†(CAS No. 29091-21-2)	

EPA Reg. No. 9198-140
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 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 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.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. 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 being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

GENERAL INFORMATION

The Andersons Turf Products Fertilizer with 0.426% Barricade Herbicide 18-0-4 is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in turfgrasses. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

APPLICATION DIRECTIONS

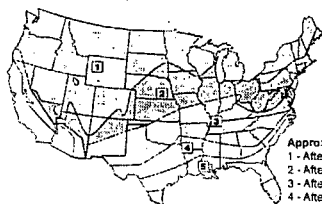
Apply uniformly through suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a preemergence herbicide that, when properly applied as directed, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS GERMINATION DATES



Approx. Date:
1 - After May 30
2 - After May 10
3 - After April 20
4 - After March 20
5 - Jan. 1 to March 20

Use Restrictions and Precautions

- The following precautions apply to the use of this product in turf grasses and lawns:
- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- Do not apply to over seeded turf within 60 days after seeding or until after the second mowing, whichever is longer.
- Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.
- Do not apply to newly set sod until the following year.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control.
- Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
- Do not graze or feed livestock forage cut from areas treated with this product.
- Do not apply this product through any type of irrigation system unless otherwise instructed by this label.
- Do not apply aerially.
- Do not apply to golf course putting greens.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Annual Rates Table

Maximum Application Rate of this product per Calendar Year by Turf Grass Species ¹			
Turf Species	lbs. a/A	lbs. product /A	lbs. product/ 1,000 sq. ft.
Bermudagrass ² , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	1.5	352	8.1
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	1.0	235	5.4
Creeping Red Fescue	0.75	174	4.0
Creeping Bentgrass	0.65	155	3.6

¹These are the maximum rates per calendar year by species limitations.

²May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 122 lb/acre or 2.8 lb/1,000 sq. ft. Newly sprigged or plugged Bermudagrass sods may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 352 lb. per acre (8.1 lbs./1,000 sq. ft.) of this product per calendar year. Use higher rates of this product to achieve higher levels of fertility and weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Table.

WEEDS CONTROLLED

When used at the recommended rates this product will control: Barnyardgrass; Bluegrass, Annual (*Poa annua*); Carpetweed; Chickweed, Common; Chickweed, Mouseear (from seed); Crabgrass (Large, Smooth); Crowfootgrass; Cupgrass, Woolly; Foxtails, Annual; Goosegrass¹; Henbit; Ichgrass; Johsongrass (from seed); Junglerice; Knotweed; Kochia; Lambsquarters, Common; Lovegrass; Oxalis; Panicum (Texas, Fall, Browntop); Pigweed; Purslane, Common; Pusley, Florida; Rescuegrass²; Shepherd's Purse²; Signalgrass, Broadleaf; Speedwell, Persian; Sprangletop; Spurge, Prostrate; Witchgrass; Woodsorrel, Yellow (from seed).

¹In many areas a single application of 3.6 to 8.1 lbs./1,000 sq. ft. (155 to 352 lbs./A) of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 3.6 to 5.4 lbs./1,000 sq. ft. (155 to 235 lbs./A) followed after 60 to 80 days by a second application at doses that would not exceed those given in the Maximum Annual Rates Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates Table above.

²Applications for this weed should be made in late summer, fall, or winter prior to germination. Do not exceed the maximum application rates specified in the Maximum Annual Rates Table.

³Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum application rates specified in the Maximum Annual Rates Table. All applications must be made prior to germination of the weed seeds.

When to Apply After Overseeding Turf

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

When to Overseed After Application - All States²

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

The Andersons Turf Products Fertilizer with 0.426% Barricade Herbicide 18-0-4 Rate			Interval Before Overseeding		
lbs./1,000 sq. ft.	lbs./A	lb/A	North	Transition	South
2.7	117	0.50	4 mo.	4 mo.	4 mo.
3.6	155	0.65	5 mo.	4 mo.	4 mo.
4.0	174	0.75	6 mo.	5 mo.	5 mo.
4.4	190	0.83	6 mo.	6 mo.	5 mo.
5.4	235	1.00	7 mo.	7 mo.	7 mo.
6.2	270	1.15	8 mo.	8 mo.	9 mo.
7.0	305	1.30	9 mo.	9 mo.	10 mo.
8.1	352	1.50	10 mo.	10 mo.	12 mo.

* Note: In AZ, CA, NV and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section "Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only)".

Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only)
Use on golf courses (excluding golf course putting greens) and lawns when overseeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

Amount to Apply		When to Apply		Use Precautions
Lbs./Acre	Lbs./1,000	When to Apply	Ex.ected Control	Use Precautions
88 - 155	2.0 - 3.6	6 to 8 weeks before ryegrass overseeding	One application for 70% or greater control of <i>Poa annua</i>	1. Some seed mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality, maintain a moist seedbed with light, frequent irrigation. 3. Make no more than 2 applications per year for this use, and do not exceed 198 lbs./A (4.5 lbs./1,000) for these two applications for <i>Poa annua</i> control in ryegrass overseeded turf. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.
		Second application 4-8 weeks after overseeding date or when perennial ryegrass roots are in the second inch of soil	Second application should enhance the residual under normal weather conditions	

Recommended Spreader Settings

These suggested spreader settings are not intended to replace calibration.

Please calibrate your spreader before applying product.
50 lbs. treats 13,800 sq. ft. (0.32 acre) at the 155 lbs. product/acre - LIGHT RATE (4.0 lbs./1,000 sq. ft.)
50 lbs. treats 12,500 sq. ft. (0.29 acre) at the 174 lbs. product/acre - LOW RATE (4.5 lbs./1,000 sq. ft.)
50 lbs. treats 9,200 sq. ft. (0.21 acre) at the 235 lbs. product/acre - MEDIUM RATE (5.4 lbs./1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS		
			LIGHT RATE 0.65 lbs. a/A	LOW RATE 0.75 lbs. a/A	MEDIUM RATE 1.00 lbs. a/A
Andersons AccuPro 2000, SR-2000 (cone 4)	3 mph	11 feet	L 1/2	M	N 3/4
Scotts R-6A (cone 4)	3 mph	11 feet	K 1/2	L	M 3/4
Lesco 020093 (pattern 0.25)	3 mph	10 feet	E	E 1/2	G
Lesco 705698 (pattern 0.25)	3 mph	10 feet	12	13	17
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern II-A	4.5 mph	40 feet	5 1/2	5 3/4	7
Vicon (D3 Series)	4.5 mph	36 feet	27	31	38

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. STORAGE: Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides. PESTICIDE 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 container into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If not available, then dispose of empty bag or box in a sanitary landfill or at an incineration facility; or, if allowed by state and local authorities, by burning locally. 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.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119, Maumee, OH 43537

The Andersons logo is a registered trademark of The Andersons, Inc.; Barricade - trademark of Syngenta Crop Protection; NutriSphere is a registered trademark of Specialty Fertilizer Products, LLC.



SGN 215
Net. Wt. 50 Lbs. (22.68 kg)

APT18NBR5
B9 (AP7BLKPMBRN9)

NOTIFICATION

APR 17 2009

40857



Fertilizer with 0.426% Barricade® Herbicide 21-0-5

• Contains **DG^{PRO}**

For preemergence control of grass and broadleaf weeds in established lawns and turf grasses (excluding golf course putting greens).

GUARANTEED ANALYSIS

Total Nitrogen	21.00%
21.00% Urea Nitrogen*	
Soluble Potash (K ₂ O)	5.00%
Sulfur (S)	1.00%
1.00% Free Sulfur (S)	

Plant nutrients derived from urea, potassium chloride and polymer coated sulfur coated urea.

Chlorine (Cl) Max	4.24%
*10.50% Slowly available nitrogen from polymer coated sulfur coated urea.	

ACTIVE INGREDIENT:	
Proclamate	0.426%
OTHER INGREDIENTS:	
Total	99.574%
†(CAS No. 29091-21-2)	100.000%

EPA Reg. No. 9198-140
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag.

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 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 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.

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. 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 being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

GENERAL INFORMATION

Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 21-0-5 is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in turfgrasses. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

APPLICATION DIRECTIONS

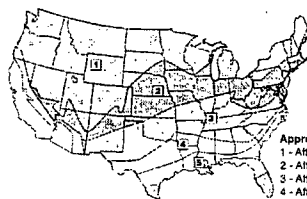
Apply uniformly through suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a preemergence herbicide that, when properly applied as directed, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS GERMINATION DATES



Approx. Date:
1 - After May 30
2 - After May 10
3 - After April 20
4 - After March 20
5 - Jan. 1 to March 20

Use Restrictions and Precautions

- The following precautions apply to the use of this product in turf grasses and lawns:
- Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
- Do not apply to over seeded turf within 60 days after seeding or until after the second mowing, whichever is longer.
- Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.
- Do not apply to newly set sod until the following year.
- Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury.
- Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control.
- Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (*Poa annua*) are desirable species.
- Do not graze or feed livestock forage cut from areas treated with this product.
- Do not apply this product through any type of irrigation system unless otherwise instructed by this label.
- Do not apply aerially.
- Do not apply to golf course putting greens.

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Annual Rates Table

Maximum Application Rate of this product per Calendar Year by Turf Grass Species ¹			
Turf Species	lbs. a/A	lbs. product /A	lbs. product / 1,000 sq. ft.
Bermudagrass ² , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (excluding turf-type), Zoysia	1.5	352	8.1
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	1.0	235	5.4
Creeping Red Fescue	2.75	174	4.0
Creeping Bentgrass	0.65	155	3.6

¹These are the maximum rates per calendar year by species limitations.

²May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 122 lb/acre or 2.8 lb/1,000 sq. ft. Newly sprigged or plugged Bermudagrass sods may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 352 lbs. per acre (8.1 lb/1,000 sq. ft.) of this product per calendar year. Use higher rates of this product to achieve higher levels of fertility and weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates table.

WEEDS CONTROLLED

When used at the recommended rates this product will control: Barnyardgrass; Bluegrass, Annual (*Poa annua*); Carpetweed; Chickweed, Common; Chickweed, Mouseear (from seed); Crabgrass (Large, Smooth); Crowfootgrass; Cupress, Woolly; Foxtails, Annual; Goosegrass¹; Henbit; Itchgrass; Johnsongrass (from seed); Junglerice; Knotweed; Kochia; Lambsquarters, Common; Lovegrass; Oxalis; Panicum Texas, Fall, Green; Pigweed; Purslane, Common; Pusley; Florida; Rescuegrass³; Shepherd's Purse²; Signalgrass, Broadleaf; Speedwell, Persian; Sprangletop; Spurge; Prostrate; Witchgrass; Woodsorrel, Yellow (from seed).

¹In many areas a single application of 3.6 to 8.1 lbs/1,000 sq. ft. (155 to 352 lbs/A) of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 3.6 to 5.4 lbs/1,000 sq. ft. (155 to 235 lbs/A) followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates Table above.

²Applications for this weed should be made in late summer, fall, or winter prior to germination. Do not exceed the maximum application rates specified in the Maximum Annual Rates table.

³Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum application rates specified in the Maximum Annual Rates table. All applications must be made prior to germination of the weed seeds.

When to Apply After Overseeding Turf

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seeding secondary roots are in the second inch of soil, not thatch plus soil.

When to Overseed After Application - All States*

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/refreshing results.

Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 21-0-5 Rate			Interval Before Overseeding		
lbs./1,000 sq. ft.	lbs./A	a/A	North	Transition	South
2.7	117	0.5h	4 mo.	4 mo.	4 mo.
3.6	155	0.65	4 mo.	4 mo.	4 mo.
4.0	174	0.75	5 mo.	5 mo.	5 mo.
4.4	190	0.81	6 mo.	6 mo.	6 mo.
5.4	235	1.00	7 mo.	7 mo.	7 mo.
6.2	270	1.15	8 mo.	8 mo.	8 mo.
7.0	305	1.30	9 mo.	9 mo.	9 mo.
8.1	352	1.50	10 mo.	10 mo.	10 mo.

* Note: In AZ, CA, NV and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section: *Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only).

Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only)
Use on golf courses (excluding golf course putting greens) and lawns when overseeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

How, When and When to Apply

Amount to Apply		When to Apply	Expected Control	Use Precautions
Lbs./Acre	Lbs./1,000			
88 - 155	2.0 - 3.6	6 to 8 weeks before ryegrass overseeding Second application 4-8 weeks after overseeding date or when perennial ryegrass roots are in the second inch of soil	One application for 70% or greater control of <i>Poa annua</i> Second application should enhance the residual under normal weather conditions	1. Some seed mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seeding mortality, maintain a moist seedbed with light, frequent irrigation. 3. Make no more than 2 applications per year for this use, and do not exceed 198 lbs/A (4.5 lbs./1,000) for these two applications for <i>Poa annua</i> control in ryegrass overseeded turf. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

Recommended Spreader Settings

These suggested spreader settings are not intended to replace calibration.

Please calibrate your spreader before applying product.
50 lbs. treats 11,800 sq. ft. (0.22 acre) at the 155 lbs. product/acre - LIGHT RATE (3.6 lbs/1,000 sq. ft.)
50 lbs. treats 12,500 sq. ft. (0.29 acre) at the 174 lbs. product/acre - LOW RATE (4.0 lbs/1,000 sq. ft.)
50 lbs. treats 1,200 sq. ft. (0.21 acre) at the 235 lbs. product/acre - MEDIUM RATE (5.4 lbs/1,000 sq. ft.)
50 lbs. treats 6,100 sq. ft. (0.14 acre) at the 352 lbs. product/acre - HIGH RATE (8.1 lbs/1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE 0.65 lbs. a/A	LOW RATE 0.75 lbs. a/A	MEDIUM RATE 1.00 lbs. a/A	HIGH RATE 1.50 lbs. a/A
Andersons AccuPro 2000, SR 2000 (cone 5)	3 mph	11 feet	L 1/2	M	N 1/2	O
Anderson SS-2 Drop	3 mph	overlap wheels	4 3/4	5 1/4	6 1/4	7 1/2
Scotts R-8A (cone 5)	3 mph	11 feet	K	K 1/2	M 1/2	P
Lady Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-C	4.5 mph	40 feet	5 1/4	5 3/4	6 1/2	7 1/2
Vicon (Q3 Series)	4.5 mph	35 feet	18	20	24	30

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides. **PESTICIDE 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 container into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If not available, then dispose of empty bag or box in a sanitary landfill or at an incineration facility; or, if allowed by state and local authorities, by burning locally. 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.

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SGN 150
Net. Wt. 50 Lbs. (22.68 kg)

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NOTIFICATION

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