

9198-140

09/14/2011

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

SEP 14 2011

Debbie Ziehr
The Andersons, Inc.
P.O. Box 119
Maumee, OH 43537

Subject: Notification per PR Notice 98-10 – Add Alternate Brand Name
The Andersons Fertilizer with 0.426% Barricade Herbicide
EPA Reg. No. 9198-140
Application Dated – August 1, 2011

Proposed Alternate Name: Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide
12-0-24

Dear Ms. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product.

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or rudick.maggie@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "K Montague", written over a horizontal line.

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)

Handwritten initials "fer" in dark ink, located to the right of the signature block.

NOTIFICATION

SEP 14 2011



Fertilizer with 0.426% Barricade Herbicide 12-0-24

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

GUARANTEED ANALYSIS

Total Nitrogen	12.00%
2.17% Urea Nitrogen	
6.56% Water Insoluble Nitrogen	
0.27% Other Water Soluble Nitrogen	
24.00% Potash (K ₂ O)	
0.00% Water Soluble Magnesium (Mg)	
8.53% Combined Sulfur (S)	
0.00% Iron (Fe)	
0.00% Manganese (Mn)	
0.00% Water Soluble Manganese (Mn)	

Plant nutrients derived from urea, polymer coated potassium sulfate, urea formaldehyde, ferric oxide, magnesium oxide and manganese oxide.
* 2.73% Slowly available nitrogen from urea formaldehyde

F292

ACTIVE INGREDIENT:
Prodiamide 0.426%
OTHER INGREDIENTS:
Total 99.574%
(CAS No. 29081-21-2)

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

FLORIDA APPLICATIONS:
We recommend that you follow the Florida Green Industries BMP's at http://www.flaes.org/pdf/BMP_Book_Final.pdf

We recommend that you follow the Florida Golf Course BMP's at <http://www.flaes.org/pdf/gttmp07.pdf>

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 1-800-757-8651 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 seed, or for commercial seed production, or for research purposes.

GENERAL INFORMATION

Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 12-0-24 is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in turf grasses. 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

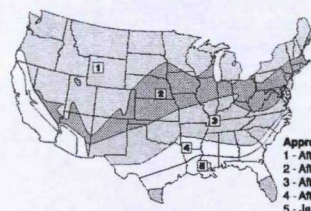
Apply uniformly through suitable, calibrated application equipment.

ESTABLISHED TURF

This product is a preemergence herbicide that, when properly applied as directed, will control winter, 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 abgrass seed germination dates.

CRAVGRASS 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 bluegrasses 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.
- Do not apply to turf with cultural practices such as diskings 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.i./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/a or 2.8 lb/1,000 sq. ft. Newly sprigged or plugged Bermudagrass sod root rot 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*), Carpetgrass, Chickweed, Common, Chickweed, Mouseear (from seed), Crabgrass (Large, Smooth), Crowfootgrass, Cynopsis, Woolly, Florida, Annual, Goosegrass¹, Henbit, Hairygrass, Johnsongrass (from seed), Junglerice, Knotweed, Kochia, Lambquarters, Common, Lowgrass, Oats, Panicle, Texas, Fall, Broomtop, Pigweed, Purslane, Common, Pursley, Florida, Rescuegrass², Shepherd's Purse³, Signalgrass, Broadleaf, Speedwell, Persian, Sprangletop, Spurge, Prostrate, Whitegrass, Woodcock, Yellow (from seed).

¹In many areas a single application of 3.6 to 8.1 lb/1,000 sq. ft. (1.55 to 3.52 lb/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 5.4 to 8.1 lb/1,000 sq. ft. (1.55 to 2.35 lb/a) followed after 30 to 60 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 species.

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 States⁴
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/seedling results.

Andersons Golf Products Fertilizer with 0.426% Barricade Herbicide 12-0-24 Rate			Interval Before Overseeding		
lb/1,000 sq. ft.	lb/a	a/a	North	Transition	South
2.7	117	0.51	4 mo.	4 mo.	4 mo.
3.6	155	0.65	5 mo.	5 mo.	5 mo.
4.0	174	0.75	5 mo.	5 mo.	5 mo.
4.4	190	0.81	5 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	10 mo.	10 mo.	10 mo.
8.1	352	1.50	12 mo.	12 mo.	12 mo.

⁴Note: 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 lb/a).

How Much and When to Apply

Amount to Apply		When to Apply	Expected Control	Use Precautions
Lbs/Acre	Lbs/1,000			
99-155	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.
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	Second application for 70% or greater control of <i>Poa annua</i> .	3. Make no more than 2 applications per year for this use, and do not exceed 190 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 15,000 sq. ft. (0.42 acre) at the 117 lbs. product/acre - LIGHT RATE (2.7 lb/1,000 sq. ft.)
50 lbs. treats 13,000 sq. ft. (0.32 acre) at the 155 lbs. product/acre - LOW RATE (3.6 lb/1,000 sq. ft.)
50 lbs. treats 12,500 sq. ft. (0.29 acre) at the 174 lbs. product/acre - MEDIUM RATE (4.0 lb/1,000 sq. ft.)
50 lbs. treats 9,200 sq. ft. (0.21 acre) at the 235 lbs. product/acre - HIGH RATE (5.4 lb/1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE 0.50 lbs. a.i./A	LOW RATE 0.65 lbs. a.i./A	MEDIUM RATE 0.75 lbs. a.i./A	HIGH RATE 1.00 lbs. a.i./A
Andersons AccuPro 2000, SR-2000 (cone 6)	3 mph	11 feet	K	L 1/4	L 3/4	N 1/4
Andersons SS-2 Drop	3 mph	overlap wheels	4	4 3/4	5 1/4	6
Scotts R-8A (cone 6)	3 mph	11 feet	J	J 3/4	K	M 1/4
Lady Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	40 feet	4 1/2	5 1/4	5 1/2	6 1/2
Vicon (33 Series)	4.5 mph	28 feet	19	23	25	31

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 118, Maumee, OH 43537
www.andersons.com

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Barricade - trademark of Syngenta Crop Protection.

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



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