

9198-242

4/24/2009

1/3



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 24 2009

Mrs. Debbie Ziehr
Regulatory Administrator
The Andersons Lawn Fert. Div., Inc.
d/b/a Free Flow Fert.
P.O. Box 119
Maumee, OH 43537

RE: Notification of Alternate Brand Names:

The Andersons Turf Products Fertilizer with 0.125% Dimension Turf Herbicide 18-0-4
Andersons Golf Products Fertilizer with 0.125% Dimension Turf Herbicide 5-0-10
Registration Number: 9198-242
Submission Dated: March 9, 2009

Dear Mrs. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, March 9, 2009, for the product, The Andersons Fertilizer with 0.125% Dithiopyr Herbicide. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions 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 Joyce Edwards of my staff at 703-308-5479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Linda", is written over a horizontal line.

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 9198-242	2. EPA Product Manager Miller	3. Proposed Classification ☐ None ☐ Restricted
4. Company/Product (Name) The Andersons Fertilizer with 0.125% Dithiopyr 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 ☐ Check if this is a new address	6. Expedited Review. In accordance with Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

NOTIFICATION
APR 24 2009

Section - II

☐ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☒ Notification - Explain below.	☐ 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 0.125% Dimension Turf Herbicide 18-0-4
Andersons Golf Products Fertilizer with 0.125% Dimension Turf Herbicide 5-0-10

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:

Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☐ Yes ☒ No	2. Type of Container ☐ Metal ☒ Plastic ☐ Glass ☒ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information ☐ Label ☒ Container	4. Size(s) Retail Container 10 - 1,000 lbs.	5. Location of Label Directions ☒ On Label
6. Manner in Which Label is Affixed to Product ☒ Lithograph ☒ Paper glued ☐ Stenciled		☒ 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

3/5

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 0.125% Dithiopyr Herbicide
EPA Reg. No. 9198-242

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 0.125% Dimension Turf Herbicide 18-0-4

Andersons Golf Products Fertilizer with 0.125% Dimension Turf Herbicide 5-0-10

One copy of the draft label is enclosed.

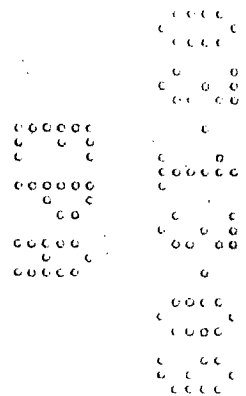
If there are any questions regarding this notification, please contact me.

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 0.125% Dimension® Turf Herbicide 18-0-4

Contains NutriSphere-N®

For fertilization and season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs and tee boxes.

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%

ACTIVE INGREDIENT:	
Dithiopyr (CAS No. 97896-46-8)	0.125%
OTHER INGREDIENTS:	99.875%
TOTAL	100.000%

EPA Reg. No. 9198-02-2
EPA Est. No. 9198-0H-1A, 9198-0H-25, 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 eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prohibited or frequently repeated skin contact while handling this material may cause allergic reaction 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 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 1-800-757-4361 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Dirt and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 under weather conditions favor drift from treated 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 any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

New York Use Restrictions: In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

TURF USE

This fertilizer product contains a herbicide which provides season-long control of crabgrass and control or suppression of other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs and tee boxes. This product will not harm nearby established ornamentals when used according to label directions.

Use Precautions for Turf

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather, pest, disease, chemical, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when used as directed.

Cool Season Grasses
Bentgrass, creeping (*Agrostis palustris*)
Bluegrass, Kentucky (*Poa pratensis*)
Fescue, fine (*Festuca rubra*)
Fescue, tall (*Festuca arundinacea*)
Ryegrass, perennial (*Lolium perenne*)

Warm Season Grasses
Bahia grass (*Paspalum notatum*)
Bermudagrass (*Cynodon dactylon*)
Buffalograss (*Buchloe dactyloides*)
Carpenter grass (*Axonopus affinis*)
Centipedegrass (*Eriocaulon ophiuroides*)
Kikuyograss (*Pennisetum clandestinum*)
St. Augustinegrass (*Stenotaphrum secundatum*)
Zoysiagrass (*Zoysia japonica*)

* Use of this product on certain varieties of creeping bentgrass, such as "Cohamway," "Carmen," "Seaside," and "Washington" may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

* Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: "Altaria," "Banner," "Beauty," "Bilgart," "CF-2," "Envy," "HF-93," "Highlight," "Ivado," "Jamestown," "Kokoi," "Majesta," "Marty," "Pennlawn," "Tamara," "Tajana," "Waldorf," and "Wildfire." Not all varieties of fine fescue have been tested.

***DO NOT use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all the turfgrass varieties for tolerance to this product. It is recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

Precautions for Reseeding, Overseeding or Sprigging
Reseeding, overseeding, or sprigging of treated areas within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 9.2 lbs./1,000 sq. ft. (0.5 lb. active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best overseeding results, use mechanical or power seeding equipment (all seeders) designed to give good seed to soil contact.

Precautions for Control of Crabgrass

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core, spike, or hydro-aeration, and verticizing, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

Other Use Precautions

Do not use clippings from treated turf for mulching around vegetables or fruit trees. Keep people and pets off treated areas until dust has settled. Do not graze livestock or feed forage cut from areas treated with this product.

APPLICATION DIRECTIONS FOR TURF

Time For Improved Control

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Improved performance may be achieved if application is followed by 1/2 inch of rainfall or irrigation. Erosive weed control may result if rainfall or irrigation is not received within 30 days after application. Use of split (half-rate) applications spaced 5-10 weeks apart may provide improved weed control.

Maximum Use Rates for Turfgrass

Do not apply more than 9.2 lbs./1,000 sq. ft. per application and no more than 27.6 lbs./1,000 per year. In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

CONTROL OF CRABGRASS

Preemergence and Early Postemergence Control

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth if applied prior to the 3-leaf stage of growth or first tiller. This stage of growth generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. Thus, the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

Application Frequency and Timing

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall, as described below.

Spring Applications

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1. The specific rate will be dependent on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program 1 for preemergence control at sites where the turfgrass is cut low (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

Table 1: Recommended Application Use Rates

Region	Application Rate	Program 1	Program 2	Program 3
All states (except NY)	lb./acre lb./1,000 sq. ft. lb. active	152 3.5 0.15	200 4.6 0.25	304 7.0 0.38
Transition	lb./acre lb./1,000 sq. ft. lb. active	200 4.6 0.25	304 7.0 0.38	340 8.1 0.43
South	lb./acre lb./1,000 sq. ft. lb. active	304 7.0 0.38	220 + 200 4.6 + 4.6 0.25 + 0.25	248 + 248 5.7 + 5.7 0.31 + 0.31
Coastal South	lb./acre lb./1,000 sq. ft. lb. active	200 + 200 4.6 + 4.6 0.25 + 0.25	248 + 248 5.7 + 5.7 0.31 + 0.31	304 + 304 7.0 + 7.0 0.38 + 0.38
West	lb./acre lb./1,000 sq. ft. lb. active	152 + 200 3.5 + 4.6 0.15 + 0.25	200 + 304 4.6 + 7.0 0.25 + 0.38	200 + 425 4.6 + 9.3 0.25 + 0.43

* May require split or sequential applications for full control. Split applications may be made 5-10 weeks apart.

Regions include areas listed below.

All States:	All states, except NY, and parts of states not included in transition, south, coastal south or west.
Transition:	DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, coastal areas of CT, NY, & RI
South:	AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX
Coastal South:	HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX
West:	AZ, CA & NV. In this climatically diverse region, use the higher rates in local areas with longer growing seasons.

Adjust your fertilization program to account for the fertilizer applied as part of this product.

Split or Sequential Applications

Split or sequential applications may improve weed control or provide extended weed control in areas with long growing seasons. When split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 5-10 weeks apart and prior to crabgrass emergence. Where longer periods of control are needed, sequential applications may be made in the late summer or fall following a spring application or in the spring following a fall application. Do not exceed the "Maximum Use Rates" section and rate restrictions for the state of New York.

Fall Applications

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. The fall application should be followed by an appropriate spring application to provide season-long control of crabgrass.

CONTROL OF OTHER WEED GRASSES AND BROADLEAF WEEDS

Spring Applications. Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

Grasses	Bromus	Holcus
Barley	Bromus	Echinochloa crus-galli
Barnyardgrass	Bromus	Poa annua
Bluegrass, annual	Bromus	Bromus sp.
Brome	Digitaria sanguinalis	Digitaria sanguinalis
Crabgrass, large	Digitaria sanguinalis	Digitaria sanguinalis
Crabgrass, smooth	Digitaria sanguinalis	Digitaria sanguinalis
Crabgrass, southern	Digitaria sanguinalis	Digitaria sanguinalis
Cynodactylon	Digitaria sanguinalis	Digitaria sanguinalis
Dallisgrass (seedling)	Digitaria sanguinalis	Digitaria sanguinalis
Goosegrass	Digitaria sanguinalis	Digitaria sanguinalis
Foxtail, green	Digitaria sanguinalis	Digitaria sanguinalis
Foxtail, yellow	Digitaria sanguinalis	Digitaria sanguinalis
Kikuyograss	Digitaria sanguinalis	Digitaria sanguinalis
Oats, wild	Digitaria sanguinalis	Digitaria sanguinalis
Ryegrass (annual & perennial)	Digitaria sanguinalis	Digitaria sanguinalis
Sandbar	Digitaria sanguinalis	Digitaria sanguinalis
Smilgrass	Digitaria sanguinalis	Digitaria sanguinalis

Broadleaf Weeds

Bittercress	Cardamine spp.
Carewedge	Malva verticillata
Chickweed	Stellaria spp.
Geranium, Carolina	Ceranium carolinianum
Henbit	Lamium spp.
Knotted, prostrate	Polygonum aviculare
Lespedeza, common	Lespedeza striata
Marestail	Corys canadensis
Medic, black	Medicago lupulina
Mustard	Brassica spp.
Oxalis, bulbous	Oxalis perfoliata
Pineappleweed	Melilotus multiflorus
Pigweed, redroot	Amaranthus retrofractus
Pansley-pink	Achillea millefolium
Pinkish, common	Portulaca oleraceus
Rocket, London	Sisymbrium spp.
Shepherdspurse	Capsella bursa-pastoris
Speedwell, com	Veronica arvensis
Spruce, garden	Euphorbia hirsuta
Spruce, prostrate	Euphorbia humifusa
Spruce, spotted	Euphorbia corollata
Woodruff, creeping	Oxalis corniculata
Woodruff, yellow	Oxalis stricta

* Suppression only.
Fall applications. Used as directed for preemergence crabgrass control in late summer or early fall, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

Bluegrass, annual	Poa annua
Bentgrass	Cardamine spp.
Chickweed	Stellaria spp.
Henbit	Lamium spp.
Geranium, Carolina	Ceranium carolinianum
Pansley-pink	Achillea millefolium
Pineappleweed	Melilotus multiflorus
Shepherdspurse	Capsella bursa-pastoris

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. PESTICIDE STORAGE: Keep container closed and away from food, feed, feedstuffs, and domestic animal feed. PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mixture, or empty container 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: Completely empty bag 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 in a sanitary landfill or by incineration, or if allowed by State or local authorities, by burning. If burned, stay out of smoke.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply the product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply the product uniformly over the lawn or turf area. Avoid walking on slopes, or overtops during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Recent research has shown that well-maintained turf is an effective environmental buffer that prevents pollutants from entering our natural water bodies. To help protect these natural resources, please avoid applying product to sidewalks, driveways, roadways, and other impervious surfaces which are adjacent to storm drains. Sweep any misplaced granules back onto the area you are treating immediately after application, since storm drains often empty directly to nearby waterways.

SUGGESTED SPREADER SETTINGS						
These suggested spreader settings are not intended to replace calibration.						
Please calibrate your spreader before applying product.						
50 lbs. treats 14,200 sq. ft. (0.33 acre) at the 15 lb. product/acre - LIGHT RATE (3.5 lb./1,000 Sq. Ft.)						
50 lbs. treats 10,800 sq. ft. (0.25 acre) at the 200 lb. product/acre - MEDIUM RATE (4.6 lb./1,000 Sq. Ft.)						
50 lbs. treats 7,100 sq. ft. (0.16 acre) at the 300 lb. product/acre - HIGH RATE (7.0 lb./1,000 Sq. Ft.)						
50 lbs. treats 5,400 sq. ft. (0.12 acre) at the 400 lb. product/acre - HEAVY RATE (9.2 lb./1,000 Sq. Ft.)						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE 0.19 lbs. a/A	LOW RATE 0.25 lbs. a/A	MEDIUM RATE 0.36 lbs. a/A	HIGH RATE 0.50 lbs. a/A
Andersons AccuPro 2000, SR-2000 (cone 4)	3 mph	11 feet	L 1/4	M 1/4	P 1/4	Q 3/4
Scotts H-4, H-4A (cone 4)	3 mph	11 feet	K 1/4	L 1/4	O 1/4	Q 1/4
Lasco 020093 (patent 0.25)	3 mph	10 feet	E	F	G 1/2	I
Lasco 705568 (patent 0.25)	3 mph	10 feet	12	14	17	20
Lilly Models WTR, WFT, HR, 1250 (PTC at 450 rpm) Patern II-A	4.5 mph	40 feet	5 1/2	6 1/4	7 3/4	8 3/4
Wicon (33 series)	4.5 mph	36 feet	28	34	42	48

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

IMPORTANT: READ BEFORE USE:

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

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT 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 JURISDICTION TO JURISDICTION.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P. O. Box 119
Maurice, IN 46337

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



0 31865 31301 1
APT18NDM50
B9 (APTLKPMBRNB)

5/5



Fertilizer with 0.125% Dimension® Turf Herbicide 50-10

Includes DG Pro® for enhanced herbicide distribution.

For fertilization and season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs and tee boxes.

GUARANTEED ANALYSIS

Total Nitrogen (N).....	5.00%
5.00% Urea Nitrogen.....	
Soluble Potash (K ₂ O).....	10.00%
Sulfur (S).....	3.40%
3.40% Combined Sulfur (S).....	

Plant nutrients derived from urea and potassium sulfate.

ACTIVE INGREDIENT:	
Dithiopyr (CAS No. 97886-46-8).....	0.125%
OTHER INGREDIENTS:.....	99.875%
TOTAL.....	100.000%

EPA Reg. No. 9198-02-2
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-01A
Undeclared 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 eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction 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 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 1-800-757-6951 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including insects and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 when weather conditions favor drift from treated 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 any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

New York Use Restrictions: In New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year, and is prohibited from use in Nassau and Suffolk Counties.

TURF USE

This fertilizer product contains a herbicide which provides season-long control of crabgrass and control or suppression of other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs and tee boxes. This product will not harm nearby established ornamentals when used according to label directions.

Use Precautions for Turf

The grass must have developed a good root system and a uniform stand and have reached at least two mowings following seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather, pest, disease, chemical, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when used as directed.

Cool Season Grasses	Warm Season Grasses
Bentgrass, creeping ¹ (<i>Agrostis palustris</i>)	Bahia grass (<i>Paspalum notatum</i>)
Bluegrass, Kentucky (<i>Poa pratensis</i>)	Bermudagrass (<i>Cynodon dactylon</i>)
Fescue, fine ¹ (<i>Festuca rubra</i>)	Buffalograss ¹ (<i>Buchloe dactyloides</i>)
Fescue, tall (<i>Festuca arundinacea</i>)	Carpetgrass (<i>Axonopus affinis</i>)
Ryegrass, perennial (<i>Lolium perenne</i>)	Centipedegrass (<i>Eriocaulon ephedroides</i>)
	Kikuyograss (<i>Pennisetum clandestinum</i>)
	St. Augustinegrass (<i>Stenotaphrum secundatum</i>)
	Zoysiagrass (<i>Zoysia japonica</i>)

¹ Use of this product on certain varieties of creeping bentgrass, such as "Cohasset," "Carmen," "Seaside," and "Washington" may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. DO NOT apply this product to Colonial bentgrass (*Agrostis canina*) varieties.

² Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: "Albino," "Banner," "Beauy," "Bijou," "GF-2," "Envy," "HF-50," "Highlight," "Isle," "Jamestown," "Koker," "Majenta," "Mary," "Pembroke," "Tamura," "Talaria," "Walker," and "Walrus." Not all varieties of fine fescue have been tested.

³ DO NOT use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all the turfgrass varieties for tolerance to this product. It is recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

Precautions for Reseeding, Overseeding or Sprigging
Reseeding, overseeding, or sprigging of treated areas within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 9.2 lbs./1,000 sq. ft. (0.5 lb. active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses. When reseeded or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best overseeding results, use mechanical or power seeding equipment (all seeders) designed to give good seed to soil contact.

Precautions for Control of Crabgrass

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core, spike, or hydro-aeration, and verticuring, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

Other Use Precautions

Do not use clippings from treated turf for mulching around vegetables or fruit trees. Keep people and pets off treated areas until dust has settled. Do not graze livestock or feed longer cut from areas treated with this product.

APPLICATION DIRECTIONS FOR TURF

Turf For Improved Control

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Improved performance may be achieved if application is followed by 1/2 inch of rainfall or irrigation. Erratic weed control may result if rainfall or irrigation is not received within 30 days after application. Use of split (half-rate) applications spaced 5-10 weeks apart may provide improved weed control.

Maximum Use Rates for Turfgrasses

Do not apply more than 9.2 lbs./1,000 sq. ft. per application and no more than 27.6 lbs./1,000 sq. ft. in New York State this product may only be used by professional applicators and at no more than 9.2 pounds per 1,000 square feet (0.5 pound active ingredient per acre) per year, and is prohibited from use in Nassau and Suffolk Counties.

CONTROL OF CRABGRASS

Preemergence and Early Postemergence Control

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth if applied prior to the 3-leaf stage of growth or first tiller. This stage of growth generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. Thus, the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

Application Frequency and Timing

The product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall, as described below.

Spring Applications

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1. The specific rate will be dependent on the user's location, the turfgrass mowing height, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program 1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early post-emergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early post-emergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early post-emergence crabgrass control up to the 3-leaf stage or first tiller at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre-and/or post-emergence applications should be made where longer periods of control are desired.

Table 1: Recommended Application Use Rates

Region	Application Rate	Program 1	Program 2	Program 3
All States (except NY)	b/lacre b/1,000 sq. ft. b./acre	152 3.5 0.15	200 4.6 0.25	301 7.0 0.36
Transition	b/lacre b/1,000 sq. ft. b./acre	209 4.8 0.25	304 7.0 0.36	402 9.2 0.5
South	b/lacre b/1,000 sq. ft. b./acre	304 7.0 0.36	200 + 200 4.6 + 4.6 0.25 + 0.25	248 + 248 5.7 + 5.7 0.31 + 0.31
Coastal South	b/lacre b/1,000 sq. ft. b./acre	200 + 200 4.6 + 4.6 0.25 + 0.25	248 + 248 5.7 + 5.7 0.31 + 0.31	304 + 304 7.0 + 7.0 0.36 + 0.36
West	b/lacre b/1,000 sq. ft. b./acre	152 + 200 3.5 + 4.6 0.19 + 0.25	200 + 304 4.6 + 7.0 0.25 + 0.36	200 + 200 4.6 + 4.6 0.25 + 0.25

May require split or sequential applications for full control. Split applications may be made 5-10 weeks apart.

Regions include areas listed below:

All States:	All states, except NY, and parts of states not included in transition, south, coastal south or west.
Transition:	DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, coastal areas of CT, NY, RI
South:	AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX
Coastal South:	HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX
West:	AZ, CA & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.

Adjust your fertilization program to account for the fertilizer applied as part of this product.

Split or Sequential Applications

Split or sequential applications may improve weed control or provide extended weed control in areas with long growing seasons. When split applications are recommended, the rates in Table 1 may be split across two applications made 5-10 weeks apart and prior to crabgrass emergence. Where longer periods of control are needed, sequential applications may be made in the late summer or fall following a spring application or in the spring following a fall application. Do not exceed the "Maximum Use Rates" section and rate restrictions for the state of New York.

Full Applications

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. The full application should be followed by an appropriate spring application to provide season-long control of crabgrass.

CONTROL OF OTHER WEED GRASSES AND BROADLEAF WEEDS

Spring Applications: As directed for crabgrass control in the spring, this product will also control at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

Grasses

Bairley	Hordeum spp.
Bromus	Echinochloa crus-galli
Blume's annual	Blume's annual
Brome	Bromus spp.
Crabgrass, large	Digitaria sanguinalis
Crabgrass, smooth	Digitaria ischaemum
Crabgrass, southern	Digitaria ciliaris
Crowfootgrass	Dactyloctenium aegyptium
Dallisgrass (seedling)	Paspalum distatum
Goosegrass	Elymus distans
Footfall green	Scleria vert.
Footfall yellow	Scleria laevis
Kikuyograss	Pennisetum clandestinum
Qats, wild	Avena fatua
Ryegrass (annual & perennial)	Lolium spp.
Sandbar	Cenchrus spp.
Smutgrass	Sporobolus indicus

Broadleaf Weeds

Blattariae	Cardamine spp.
Carpetweed	Mulge vericillata
Chickweed	Stellaria spp.
Cerium, Carolina	Cerium carolinianum
Herb	Lamium spp.
Knotted, prostrate	Polygonum aviculare
Lupinus, common	Lupinus albus
Marshall	Coryza canadensis
Medic, black	Melilotus alba
Mustard	Brassica spp.
Orache, blacktop	Orache pes-caprae
Pennwiper	Mollis maritima
Pigweed, redroot	Amaranthus retrofractus
Pansy-pier	Alchemilla arvensis
Puncture, common	Portulaca oleraceus
Rocket, London	Sisymbrium spp.
Shepherdspurse	Capsella bursa-pastoris
Speedwell, com	Veronica anensis
Sourgrass, green	Euphorbia hirs
Sourgrass, prostrate	Euphorbia hirsuta
Starg, spotted	Euphorbia corollata
Woodruff, creeping	Oxalis corniculata
Woodruff, yellow	Oxalis stricta

Suppression only

Full applications. Used as directed for preemergence crabgrass control in late summer or early fall, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence:

Blume's annual	Poa annua
Chickweed	Cardamine spp.
Chickweed	Stellaria spp.
Herb	Lamium spp.
Cerium, Carolina	Cerium carolinianum
Alchemilla arvensis	Alchemilla arvensis
Matricaria matricarioides	Matricaria matricarioides
Capsella bursa-pastoris	Capsella bursa-pastoris

STORAGE AND DISPOSAL

Do not concentrate waste, food, or food by storage and disposal. PESTICIDE STORAGE: Keep container closed and away from food, feed, etc., and domestic water supplies. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal, except as directed by a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, or by a State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Completely empty bag (no applicator equipment). Move if safe container. Do not reuse or refill this container. Offer for recycling if available. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State or local authorities, by burning. If burned, stay out of smoke.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Recent research has shown that well-maintained turf is an effective environmental buffer that prevents pollutants from entering our natural water bodies. To help protect these natural resources, please avoid applying product to sidewalks, driveways, roadways, and other impervious surfaces which are adjacent to storm drains. Sweep any misplaced granules back onto the area you are treating immediately after application, since storm drains often empty directly to nearby waterways.

SPREADER		SUGGESTED SPREADER SETTINGS			
		GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
				LIGHT RATE 0.19 lbs. a/A	HIGH RATE 0.50 lbs. a/A
Andersen AccuPro 2000, SR-2000 (zone S)	3 mph	10 feet	L14	M14	R
Andersen SS-2 Duo	3 mph	overlap wheels	4 1/2	5	6 1/4
Scotts R4-R4 (zone S)	3 mph	10 feet	J34	L14	N34
John Deere WTR, WTR-LR, 1250 (PTO at 450 rpm) Patern M-C	4.5 mph	35 feet	5	5 3/4	7
Vicon (20 series)	4.5 mph	34 feet	18	21	28

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

IMPORTANT: READ BEFORE USE:

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

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY: Manufacturer warrants that the 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-TO-STATE JURISDICTION.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maunder, OH 43837

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



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B9 (AGCBLKPRN.1B)

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