

PM 23

9198-118

4-6-98

10/18

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 9198-118	DATE OF ISSUANCE APR 6 1998
	TERM OF ISSUANCE Unconditional	
	NAME OF PESTICIDE PRODUCT The Andersons Dimension® Herbicide I	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

The Andersons, Lawn Fertilizer Division
 d/b/a Free Flow Fertilizer
 P.O. Box 119
 Maumee, OH 43537

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5), provided that you:

1. Revise the the statemnt: "Can be applied up to 4 weeks longer..." to read "Can be applied up to 4 weeks later..." where it occurs on the labeling.
2. Delete the use precaution that reads: "Do not apply this product to pastures".
3. Revise the "New York Use Directions" under "Directions of Use" section to read: "New York Use Restictions: In New York State this product may only be used by professional applicators and at no more than 16.0 pounds per 1,000 square feet (equal to 0.5 pound active ingredient per Acre); and is prohibited from use in Nassau and Suffolk Counties."
4. Submit one (1) copy of the final printed labeling before you release the product for shipment under the enclosed stamped labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. Stamped copies for the labels are enclosed for your record.

Joanne I. Miller
 Product Manager (23)
 Herbicide Branch
 Registration Division (7505C)

Enclosures (2)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *Joanne I. Miller* DATE: APR 6 1998

2018

9198-118H
Page 1 of 7

(FRONT PANEL)

HOMEOWNER USE ONLY

(The above is for internal use only and will not appear on the final label copy)

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 6 1998

The Andersons Dimension® Herbicide I

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
9198-118

A Selective Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and Other Weeds in Established Lawns and Ornamental Turfgrasses.

Premium Granular Fertilizer that Feeds Your Lawn - Providing The Nutrients Needed for A Beautiful, Green and Vigorous Lawn.

Contains Dimension Herbicide - A Herbicide for Crabgrass Control! Non-Staining!

Can Be Applied Up to 4 Weeks Longer Than Other Crabgrass Preventers and Controls Crabgrass All Season Long.

ACTIVE INGREDIENTS:

Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S- dimethyl ester..... 0.072%

INERT INGREDIENTS..... 99.928%

TOTAL.....100.00%

* Dimension is a registered trademark of Rohm and Haas Company.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WEIGHT _____ LBS.

EPA Reg. No. 9198-118

EPA Est. No. 9198-OH-1

4018

(BACK PANEL)

HOMEOWNER USE ONLY

(The above is for internal use only and will not appear on the final label copy)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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.

New York Use Directions: Not for use in Nassau and Suffolk Counties. Do not use more than 0.5 lb. AI/Acre (16 lbs. per 1000 sq. ft.) per year. For Professional Turf Applicator Use Only.

Use only according to label instructions.

GENERAL INFORMATION

This product is a combination product that provides both crabgrass control and the required nutrients for optimum turfgrass growth all in a single product.

This product contains Dimension, a crabgrass preventer that can be applied up to 4 weeks longer than other crabgrass preventers and provide up to 4 months control of crabgrass and other grass and broadleaf weeds prior to their establishment in lawns and ornamental turfgrasses. This product should be applied to lawns and ornamental turfgrasses that are well established (See "Use Precautions" section below for a list of the tolerant turfgrasses). This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

This product should only be applied to lawns and ornamental turfgrasses that are well established. Use of this product on lawns and ornamental turfgrasses that are not well established, or have been weakened by stress due to mechanical operations, pests, excessive temperatures, or lack of moisture may increase the chances for turfgrass injury.

The Andersons Dimension® Herbicide
can be applied to the following turfgrasses when applied as directed:

Cool-Season Turfgrasses

- Creeping Bentgrass
- Fine Fescues
- Kentucky Bluegrass
- Perennial Ryegrass
- Tall Fescues

Warm-Season Turfgrasses

- Bahiagrass
- Bermudagrass
- Buffalograss
- Carpetgrass
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass

This product should be applied in the spring or fall prior to the weed seed germination in established lawns and ornamental turfgrasses.

This product can be applied up to 4 weeks longer than other crabgrass preventers and still provide season-long weed control of crabgrass. Dimension herbicide provides preemergence control of crabgrass and other weeds when applied prior to their germination, and it also provides postemergence control of crabgrass. The postemergence control provided by this product is limited to crabgrass only and will provide control of crabgrass when applied up to 4 weeks after

5018

(BACK PANEL)

HOMEOWNER USE ONLY

(The above is for internal use only and will not appear on the final label copy)

Crabgrass germination. Application of this product later than 4 weeks after crabgrass germination will result in reduced control of crabgrass.

For control of other grass and broadleaf weeds, this product must be applied as a preemergent treatment. Only crabgrass can be controlled with delayed applications after germination.

Tips for Improved Weed Control: For best results, apply this product within a few days after mowing and delay further mowings after the application of this product until the lawn or ornamental turfgrass has been watered or received significant rainfall to dissolve the fertilizer granules. Improved weed control may be observed when treated lawn or ornamental turfgrass is watered or receives rainfall within a few days after application of this product.

Reseeding, Overseeding, or Sprigging of turfgrasses into areas that have been previously treated with this product should be delayed until 16 weeks after application. Reseeding, overseeding, or sprigging **up to 16 weeks** after application may **prevent** the establishment of the newly reseeded, overseeded or sprigged turfgrasses.

•DO NOT apply more than 16 pounds of this product per 1,000 square feet of turfgrass area during the year (1,000 square feet area = 100 feet x 10 feet).

- DO NOT apply to flowers, vegetables, or fruit trees.
- DO NOT use clippings from treated turf for mulching around flowers, vegetables or fruit trees.
- DO NOT apply this product to pastures.
- Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

The Andersons Dimension® Herbicide IV will provide control of crabgrass and other grasses and broadleaf weeds listed below when applied prior to weed seed germination in established lawns and ornamental turfgrasses.

**Weeds Controlled and/or Suppressed by
The Andersons Dimension® Herbicide**

Grass Weeds:

- Annual Bluegrass
- Annual Ryegrass
- Barnyardgrass
- Crabgrass
- Crowfootgrass
- Goosegrass
- Green Foxtail
- Kikuyugrass (seedling)
- Perennial Ryegrass
- Smutgrass (seedling)
- Yellow Foxtail

Broadleaf Weeds:

- Bittercress
- Buttercup Oxalis
- Carolina Galium
- Chickweed
- Common Lespedeza
- Common Purslane
- Corn Speedwell
- Creeping Oxalis
- Herbit
- Parsley-piert
- Pineappleweed
- Spotted Spurge
- Yellow Woodsoresl

60418

(BACK PANEL)

HOMEOWNER USE ONLY

(The above is for internal use only and will not appear on the final label copy)

Application Timings:

This product may be applied either in the spring or in the fall for the control of weeds.

When this product is applied in the fall, a sequential or second application should be made the following spring to provide season-long control of weeds.

Length of Control:

This product will provide up to 4 months of weed control if applied according to label directions.

The actual length of control will vary depending on use rate, weather conditions, condition of the turfgrass, intensity of weed pressure, and the location or "Region" within the United States that this product is being applied.

Please check the map below to determine which "Region" of the U.S. that applies to your particular use area.

Use "Regions" within the United States:



7 of 18

(BACK PANEL)

HOMEOWNER USE ONLY

(The above is for internal use only and will not appear on the final label copy)

Recommended Use Rates:

Recommended Use Rates
for The Andersons Dimension® Herbicide

(Pounds of this product to apply per 1,000 square feet of turfgrass)

Region of U.S.	Length of Weed Control	
	2-3 Months Control	3-4 Months Control
North	4.0	5.5
South	6.0	8.0

SUGGESTED SPREADER SETTINGS

(Available at Final Printing)

Broadcast Spreaders: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

Drop Spreaders: First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

Important: It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. Do not hand spread.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash. CONTAINER DISPOSAL: Do not reuse container. Discard container in trash.

90118

(FRONT PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

THE ANDERSONS DIMENSION[®] DITHIOPYR HERBICIDE I

This product is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.

ACTIVE INGREDIENTS:

Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S- dimethyl ester..... 0.072%

INERT INGREDIENTS..... 99.928%

TOTAL..... 100.00%

[®] Dimension is a registered trademark of Rohm and Haas Company.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WEIGHT _____ LBS.

ACCEPTED
with COMMENTS
In EPA Letter Dated

EPA Reg. No. 9198-118

APR 6 1998

EPA Est. No. 9198-OH-1

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

9198-118

100418

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

NET WEIGHT ____ LBS.

The Andersons Dimension[®] Dithiopyr Herbicide I

GUARANTEED ANALYSIS

Total Nitrogen (N).....	16%
Available Phosphate (P ₂ O ₅).....	4%
Soluble Potash (K ₂ O).....	4%

Primary Plant Food derived from: Urea, Muriate of Potash, Ammoniated Phosphates.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN

CAUTION

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: Immediately flush with plenty of water. Get medical attention if irritation persists.

IF INHALED: Remove individual to fresh air. Seek medical attention if breathing difficulty develops.

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. 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.

11/2/18

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

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 DIRECTIONS: Not for use in Nassau and Suffolk Counties. Do not use more than 0.5 lb. aifacre (16 lbs. per 1000 sq. ft of this product) per year. For Professional Turf Applicator Use Only.

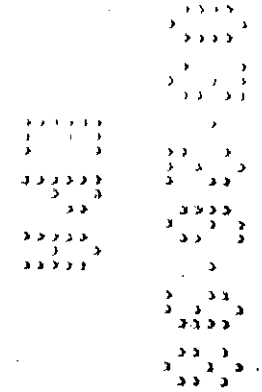
GENERAL INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes and greens. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

TURFGRASS SAFETY

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.



12/18

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

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

- Bahiagrass
- Paspalum notatum
- Bermudagrass
- Cynodon dactylon
- Buffalograss***
- Buchloe dactyloides
- Carpetgrass
- Axonopus affinis
- Centipedegrass
- Eremochloa ophiuroides
- Kikuyugrass
- Pennisetum clandestinum
- St. Augustinegrass
- Stenotaphrum secundatum
- Zoysiagrass
- Zoysia japonica

* Use of this product on certain varieties of creeping bentgrass, such as 'Cohansey', '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: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tajana', 'Waldorf', and 'Waldina'. 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 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.

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

RESEEDING, OVERSEEDING, OR SPRIGGING

Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product 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 results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

GOLF COURSE PUTTING GREENS

Putting greens should be well-drained and managed to promote the development of deep rooting systems. The use of this product on greens without good root development may result in undesirable turfgrass injury.

For golf courses which practice overseeding putting greens consisting of seasonal turfgrasses, application of this product to overseeded greens should be made within four weeks or less before the desired transition period from the overseeded turfgrass(es) back to the established "base" turfgrass.

Avoid application of this product to golf course putting greens that are under stress.

Undesirable thinning, yellow and rapid decline of established Poa annua may occur under stress conditions. DO NOT use this product on greens that have desirable Poa annua cover where summer heat and/or other stresses to Poa annua can occur and loss of some or all of that Poa annua cover is unacceptable. Use this product where the goal is to control and/or eliminate some or all of the Poa annua and where this loss can be tolerated.

Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens may result in injury. Prior to use, test on a small section of turf.

DO NOT apply this product less than 60 days before covering greens for winter protection.

OTHER USE PRECAUTIONS

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller.

For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

14018

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.

DO NOT use clippings from treated turf for mulching around vegetables or fruit trees.

DO NOT apply this product to pastures.

Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

Table 1: Recommended Application Use Rates*
(lbs of this product/1000 sq. ft.)

PROGRAM	1	2	3	4
USE (turfgrass cut)	Preemergence (high)	Preemergence (low)	Preemergence (low)	Golf Course Putting Green Mowing Height less than 1/4 inch**
REGION		Postemergence (high)	Postemergence (low)	
North	4	6	8	8
Transition	6	8	12	8
South	8	12	16	8 + 8
Coastal South	12	16**	16**	12 + 8 + 8

*DO NOT apply more than 16 lbs. per application, and no more than 48 lbs. per year. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below.

North: All other areas.

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, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX.

Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

**May require split or sequential applications for full control.

150418

(BACK PANEL)

COMMERCIAL USE ONLY

(The above is for internal use only and will not appear on the final label copy)

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 after the crabgrass has emerged from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. So 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.

DO NOT apply more than 16 lbs. per 1000 sq. ft. per application, and no more than 48 lbs. per 1000 sq. ft. per year.

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 three control programs listed in Table 1 below, depending 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 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 control 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

