

11100 9198-118 Received NOV 17 1993 10/19  
Lawn Manager

NOV 16 1993

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

Dear Mr. Paradiso:

Subject: The Andersons Dimension® Herbicide I  
EPA Registration No. 9198-118  
Applications Dated October 14, 1993 and  
November 4, 1993, Request for Label  
Revisions, Split Labeling for Homeowner  
and Professional Uses; and Worker Protection  
Standard Statements To Take Out of Scope  
of WPS Requirements

The proposed amendments referred to above, submitted in connection with registration under section 3 of the Federal Insecticide, Fungicide and Rodenticide Act as amended are acceptable provided that you:

1. Amend the environmental hazard statements to conform with PR Notice 93-3. The wetland statement should read: "For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."
2. Submit five (5) printed copies of your final printed labeling before you release the product for shipment.

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 this condition.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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

Enclosure

ewilson:diskette:dithiopyr:11-16-93

BEST AVAILABLE COPY

5079

(Front Panel)

The Andersons Dimension™ Herbicide I

(Homeowner Use Only)

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%  
100.000%

™ Dimension is a Trademark of the Monsanto Company

KEEP OUT OF REACH OF CHILDREN  
CAUTION

See Back Panel For Additional Precautionary Statements

Net Weight \_\_\_\_\_ Lbs.

EPA Reg. No. 9198-118

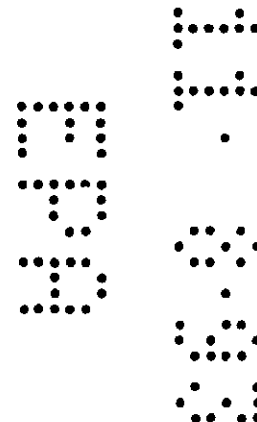
EPA Est. No. 9198-OH-1

ACCEPTED  
with COMMENTS  
in EPA Letter Book

NOV 16 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, this product is  
registered under EPA Reg. No.

9198-118



(Back Panel)

Net Weight \_\_\_\_\_ Lbs.

**The Andersons Dimension™ Herbicide I**

**Guaranteed Analysis**

Total Nitrogen(N).....	16%
Available Phosphoric Acid(P <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash(K <sub>2</sub> 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.

**IF ON SKIN,** wash with plenty of soap and water.

**Environmental Hazards**

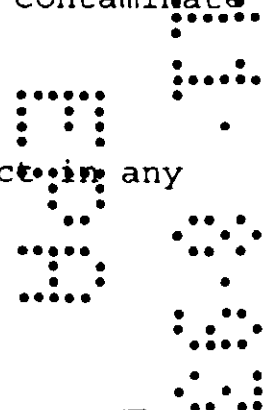
This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to 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.

**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 plants being grown (1) for sale or other commercial use, (2) for commercial seed production, (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

**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. 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-, or mechanical-related stress, may increase the chances for turf injury.

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**

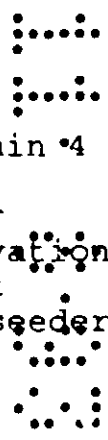
- Bentgrass, creeping
- Bluegrass, Kentucky
- Fescue, fine
- Fescue, tall
- Ryegrass, perennial

**Warm-Season Grasses**

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

**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.



**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.

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

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**

**Control of Crabgrass**

Preemergence and Early Postemergence Control.

- This product provides "preemergence" control of crabgrass (both large and smooth 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 identify the very small, early stages of crabgrass in well-established lawns and ornamental turfs.
- So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly pre-emergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

Application Timings.

- This product may be applied as a single application or as a sequential application for crabgrass control. DO NOT apply more than 48 lbs. of this product/1000 sq. ft. per year.
- Applications may be made in the spring and in the fall.

REPRODUCTION COPY

Length of Control.

- The length of time of residual weed control provided by this product is directly related to the total rate applied.
- Depending on the desires of the user, this product may be applied at the use rates recommended in Table 1 below for the user's particular region to get 2-3 months of weed control, or it may be applied at rates listed in Table 2 below to get 3-5 months of control from date of application.
- The actual length of control will vary somewhat depending on weather, weed pressure, and the user's location within the North or South region.

Table 1:

Recommended Use Rates for 2-3 Months of Crabgrass Control\*  
(lbs. of this product/1000 sq. ft.)

Region	Preemergence	Postemergence
North	3.5	6
South	6	12

Table 2:

Recommended Use Rates for 3-5 Months of Crabgrass Control\*  
(lbs. of this product/1000 sq. ft.)

Region	Preemergence	Postemergence
North	4	8
South	8	16

\*South: includes AL, AR, AZ, CA, FL, GA, HI, LA, MS, NC, NM, NV, OK, SC, TN, TX, and VA. North: includes all other states.

Postemergence control is limited; see the "Crabgrass Control" and "Precautions" sections above.

Spring Applications.

- When applied in the spring, a single application of this product at the appropriate "preemergence" rate listed in Table 1 above will provide control of crabgrass for 2-3 months after application.
- Use the preemergence rate listed in Table 2 when the application is made very early in the spring (mid-February to mid-April) and longer control is required.

- Alternatively, a second ("sequential") application at the preemergence rate listed in Table 1 can be made 6-8 weeks after an early first application at the same rate to provide extended control where sequential fertilizer applications are recommended.
- When crabgrass has (or is likely to have) already emerged from the ground in your area and early postemergence control of crabgrass is desired, use the appropriate "postemergence" rate listed in Table 1.
- Use the postemergence rate listed in Table 2 when crabgrass has already emerged, but it is still relatively early in the spring.

Fall Applications.

- This product can also be applied in the late summer or early fall (late August through October) at the preemergence use rates listed in Table 2 to provide control of crabgrass through the early part of the next spring.
- The fall application should be followed by a mid-to-late spring application at the appropriate postemergence rate to provide season-long control.

Tips for Improved Control.

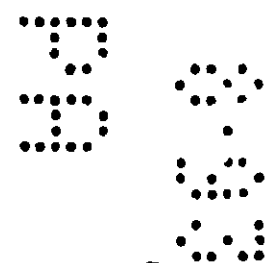
- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

**Control of Other Grass and Broadleaf Weeds**

Spring Applications. When applied as directed for crabgrass control in the spring, this product will also control (at the "postemergence" rates) or suppress (at the "preemergence" rates) the emergence of the following weeds:

- |                               |   |
|-------------------------------|---|
| barnyardgrass                 | lespedeza (common)                                |
| bluegrass (annual)            | oxalis (buttercup, creeping & yellow woodsorrel)* |
| crowfootgrass                 |   |
| foxtail (yellow & green)*     | purslane (common)                                 |
| goosegrass                    | speedwell (corn)                                  |
| kikuyugrass                   | spurge (prostrate & spotted)                      |
| ryegrass (annual & perennial) |   |
| smutgrass                     |   |

\*Also controlled at the preemergence rates.



Fall Applications. When applied as directed for early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "postemergence" rates) or suppress (at the "preemergence" rates) the emergence of these weeds:

bluegrass (annual)  
bittercress  
chickweed  
pineappleweed

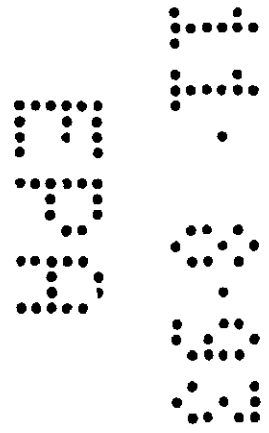
henbit  
geranium (Carolina)  
parsley-piert

**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. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

**STORAGE AND DISPOSAL**

**STORAGE:** Store this product only in its original container in a dry, cool, secured storage area. **PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions. If it is necessary to dispose of a partially filled bag, securely wrap the bag in several layers of newspaper and discard in the trash. **EMPTY CONTAINER DISPOSAL:** Do not reuse bag. Discard bag in trash. **SPILL:** In case of spill, sweep up, wrap in newspaper and discard in trash.





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**Manufacturer's Statement**

This product conforms to the ingredient statement on the label. Manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed under normal use conditions. FOLLOW DIRECTIONS CAREFULLY. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. When product is not used according to label instruction, buyer assumes all risks of use, storage and handling of this product.

THIS PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

Manufactured by:  
THE ANDERSONS  
LAWN FERTILIZER DIVISION  
P.O. BOX 119  
MAUMEE, OH 43537

Date Printed:  
Date Approved:  
Supersedes:  
Label Change:

