PM 23	PAREGISTRATION NO.	9-3-99 DATE OF ISSUANCE
US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS	91 <b>9</b> 8–154	SEP - 3 1999
REGISTRATION DIVISION (75-767)	TERM OF ISSUANCE	
WASHINGTON, DC 20460	Conditional	
NOTICE OF PESTICIDE: REGISTRATION	NAME OF PESTICIDE PRODU	ĊТ
[_] KEREGISTRATION		
(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	The Andersons rest: Dimension and I	Hilzer with .120%
	Dimension and I	.U& KONStar
AME AND ADDRESS OF REGISTRANT (Include ZIP code)		
1	ı	·
The Andersons, Lawn Ferti.	lizer Division	
a/b/a free flow fertilerze	er	
P.O. Box 119		
indunee, Orl 43539	1	
	-4	
NOTE: Changes in labeling formula differing in substar		
submitted to and accepted by the Registration Division product always refer to the above U.S. EPA registration		ce. In any correspondence on this
On the basis of information furnished by the registrant, the Federal Insecticide, Fungicide, and Rodenticide A		by Registered/Reregistered under
· -		
A copy of the labeling accepted in connection with this	s Registration/Reregistration is ret	urned herewith,
Registration is in no way to be construed as an indorse	ement or approval of this product by	this Agency. In order to protect
nealth and the environment, the Administrator, on his m		
cide in accordance with the Act. The acceptance of ar		
Act is not to be construed as giving the registrant a rigory others.	gnt to exclusive use of the name or	to its use if it has been covered
This product is registered	in accordance with Fifty	Section
3(c)(5), provided that you:		
1. Add the phrase "bFA wegi	st mat ion sky. 9198-154" to	the label
perore you release the p	and the first statements.	
Defore you release the p	- M. Carl Daiwae And erstan	waste for round
2. kevise the "Precautionar	y and first and states	ieries co read
as stated on the attache	d page to this notice.	Similar decision in the description of the same
3. Submit corrosion data as	s required for this income	it regist; action
	with the Guidelines 030.0	
I year from the date of	this Notice of Registrati	ion.
4. Submit one (1) copy of t	the final printed label, t	perore you release
the product for shipment	under the stamped encio:	sec label.
It these conditions are not co	implied With, the registra	ation will be
subject to cancellation in accorda	ance with Fifth Section of	(e). 10ur release
tor shipment of the product consti	itutes acceptance of these	conditions.
A stanged copy of the label is end	closed for your records.	
	Joanne I. Miller	
attachment (First Aid)	Product Manager (23)	
anciosure	Herpicide branch	
ENULOSULE	Registration Division (	Visutisti i
	registration bivision (	,5050,
ATTACHMENT IS APPLICABLE		
		DATE
GNATURE OF APPROVING OFFICIAL	much Miller	SEP - 3 1999

SEP - 3 1999

# Page 2 of Notice of Registration

EPA Registration Nos. 9198-154 and 9198-155

The Andersons Lawn Fertilizer Division

#### PRECAUTIONARY STATEMENTS:

handful it absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, Chewing gum, using topacco or using the toilet.

# think bills

IF on Skin: Take off contaminated clothing. Finse skin immediately with plenty of water for 15-20 minutes. Call a poison control center of occion for treatment advise.

ir in tips: hord eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first of minutes, then continue rinsing. Call a poison control center doctor for treatment advice.

CONCURRENCES								
SYMBOL	<b>—</b>							
SURNAME		1		ļ		1	,	}
DATE			]				1	

(FRONT PANEL)

# The Andersons Fertilizer with .125% Dimension<sup>®</sup> & 1.0% Ronstar<sup>®</sup>

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

# **ACTIVE INGREDIENTS:**

Oxadiazon	. 1.000%
Dithiopyr	0.125%
INERT INGREDIENTS:	

TOTAL 100.00%

Dimension® is a Trademark of the Rohm & Haas Company Ronstar® is a Trademark of the Rhone-Poulenc Ag Company

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP - 3 1999

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

Some components of this product may cause eye irritation

See Back Panel for Additional Precautionary Statements

NET WEIGHT XX LBS. (XX KG)

TREATS UP TO XX SQ. FT.

EPA Reg. No. 9198-XXX. RLU

EPA Est. No. 9198-OH-1

# Net Weight XX lbs. Treats Up To XXX Sq. Ft.

# The Andersons Fertilizer with 0.125% Dimension® & 1.0% Ronstar®

# **GUARANTEED ANALYSIS**

Total Nitrogen (N)X	(X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> 0 <sub>5</sub> )	X%
Soluble Potash (K <sub>2</sub> 0)	
Sulfur (S)	

Primary Plant Foods Derived From: Ammonium Phosphates, Urea, Muriate of Potash and Sulfur Coated Urea. Note: Fertilizer analysis will vary with each end use product (this statement will not appear on final label)

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### **KEEP OUT OF REACH OF CHILDREN**

Causes moderate eye and skin irritation. Harmful if inhaled or if absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Avoid contamination of feed and foodstuffs. Keep opened containers away from children and animals. Wear protective clothing including long-sleeved shirt and gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Wash equipment after handling this product. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

#### **FIRST AID**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Immediately flush with plenty of water. Call a physician if irritation persists.

# **ENVIRONMENTAL HAZARDS**

This pesticide 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 when weather conditions favor drift from treated areas. 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 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.

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 400 pounds per acre (equal to 0.5 pound Dimension active ingredient per Acre); and is prohibited from use in Nassau and Suffolk Counties.

For most economical use, rates of this product should be based on anticipated weed population, time of application and length of growing season. A well-maintained turf with low weed infestations will require less herbicide for effective control than will a thin turf with low fertility, minimum maintenance and heavy traffic. Geographic areas with longer growing seasons require higher rates. When cultural practices require application of this product well in advance of weed seed germination, rates should be adjusted upward to compensate for normal breakdown of the active ingredient.

# **GENERAL INFORMATION:**

This product is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in established lawns and ornamental turfs, especially golf course fairways and roughs. This product controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination, by a combination of two different mechanisms. The two herbicides affect different parts of the weeds, which aids in providing excellent weed control while minimizing adverse affects to the turf. This product will not harm nearby established ornamentals when used according to label directions (avoid foliage contact).

# **USE PRECAUTIONS**

Do not apply to wet turf as discoloration may occur.

Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

#### TURFGRASS SAFETY

This product may be used on 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 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:

# Warm-Season Grasses

Bermudagrass

(Cynodon dactylon) (Axonopus affinis)

Carpetgrass Kikuyugrass

(Pennisetum clandestinum)

St. Augustinegrass

(Stenotaphrum secundatum)

Zoysiagrass

(Zoysia japonica)

Red (Fine) Fescue and Bentgrass are not tolerant of this product. The use of this product on turf containing Red Fescue or Bentgrass should be limited to situations where they are undesirable grasses.

Do not apply to Dichondra, Centipedegrass or newly seeded areas.

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 & TEES** 

DO NOT use this product on golf course putting greens and tees because of the varying cultural practices used.

# 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.

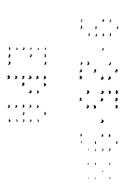
For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. DO NOT apply this product until the grass has recovered from these cultural practices.

Apply this product directly to established lawns or ornamental turfs only. DO NOT allow product or drift to contact foliage of 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 product has been thoroughly watered in and grass has dried.



#### APPLICATION DIRECTIONS

# PREEMERGENCE CONTROL OF CROWFOOTGRASS (GOOSEGRASS) AND CRABGRASS

This product provides "preemergence" control of crowfootgrass (goosegrass) and crabgrass when applied prior to the emergence of these weeds from the ground in established lawns and ornamental turfs. Crowfootgrass germinates somewhat later than crabgrass.

This product can provide "early postemergence" suppression 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 suppression 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 crowfootgrass and crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still suppress crabgrass. This product is not intended to control large areas of established crabgrass, and must be used prior to crowfootgrass (goosegrass) for its control.

# Application Frequency and Timing

For season-long control, this product should be applied as a single application in the spring for crowfootgrass (goosegrass) and crabgrass control.

DO NOT apply more than 400 lbs. per acre. (0.5 lbs. Dimension Al per acre) per application, and no more than 1,200 lbs. per acre (1.5 lbs. Dimension Al per acre) per year.

#### Spring Applications

For single applications made in the spring, this product should be applied at the appropriate rate corresponding to one of the two 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 premergence 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 the Low Rate Program for preemergence control at sites where the turfgrass is cut high (e.g., roughs). This program provides 3-5 months of preemergence crowfootgrass (goosegrass) and crabgrass control, and so is especially useful in the transition zone. This program may be used in areas of light weed pressure, and is not for early postemergence crabgrass control.

Use the High Rate Program for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and/or (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crowfootgrass (goosegrass) and crabgrass control, and so is especially useful in the southern and coastal south turf zones. South of Orlando, or in areas that do not receive at least one frost which naturally controls crowfootgrass (goosegrass) and crabgrass, may require the use of a postemergent control product to eliminate existing weeds. This program also provides early postemergence crabgrass suppression at sites where turfgrass is cut low (e.g., golf fairways).

Table 1: Recommended Single Application Use Rates (lbs/acre)

Low Rate	High Rate
150 lbs.	200 lbs.
Ronstar: 1.5 lbs. ai per acre	Ronstar: 2.0 lbs. ai per acre
Dimension: .1875 lbs. ai per acre	Dimension: .25 lbs. ai per acre

Area Classifications:

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.

This product may cause temporary discoloration of Bermudagrass and St. Augustinegrass. This is normally outgrown within 2-3 weeks.

# 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 used as directed for crowfootgrass (goosegrass) and crabgrass control in the spring, this product will also control/suppress the following weeds when applied prior to their emergence:

annual bluegrass annual and perennial ryegrass barnyardgrass bittercress Carolina geranium carpetgrass chickweed common groundsel common lespedeza common purslane corn speedwell

foxtail (yellow & green)\*

Florida pursley henbit oxalis (buttercup, creeping &) yellow woodsorrel) parsley-piert pigweed pineappleweed smutgrass spurge (prostrate & spotted) stinging nettle

If rain is not expected shortly after application, water turf thoroughly to increase effectiveness. Thorough watering assures more even distribution of the herbicide and avoids gaps in coverage.

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.

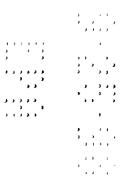
#### SUGGESTED SPREADER SETTINGS

(available at label printing)

NOTE: These 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.

# 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:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal Law and may contaminate groundwater. 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. 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.



# **MANUFACTURERS 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. 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

d/b/a Free Flow Fertilizer

P.O. Box 119 Maumee, OH 43537

Date Printed:

7/16/98

Date Approved: Supersedes:

Label Change: new registration

Filename:

dimron1.doc