

BEST AVAILABLE COPY

SPROUT PANEL

FRONT PANEL

HANDLE SIDE PANEL

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION! HARMFUL IF INHALED.

Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

FIRST AID: IF INHALED, remove individual to fresh air. Get medical attention if breathing difficulty develops.

In case of an emergency involving this product, Call Collect, day or night, (314) 694-4000.

Environmental Hazards

This pesticide is toxic to fish. Drift or runoff may adversely affect aquatic organisms. 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.

BIRD CAUTION: While avian toxicology studies have shown low acute toxicity to birds, the potential for avian reproduction effects is being evaluated. To reduce potential exposure to birds, do not apply this product in split applications; make only one application per season; do not apply more than 2 quarts per acre (1/2 pound a.i. per acre). Avoid known bird nesting sites and areas where birds are actively feeding when applying this product.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

DIMENSION[®] 1EC

TURF HERBICIDE BY **Monsanto**

Dimension[®] 1EC is a selective herbicide for the preemergence and postemergence control of listed annual grasses and broadleaf weeds in established cool and warm season turfgrazes in lawns and ornamental turf.

Keep out of reach of children.

CAUTION!

Read precautions on side panel.

Read the entire label before using this product. Use only according to label instructions. Read **LIMIT OF WARRANTY AND LIABILITY** before buying or using. Isolate, before buying or using, if terms are not acceptable, return of order unopened.

ACTIVE INGREDIENTS:

*Oxyfluorfen, 3,5-pyridinedicarbonyl acid, 2-(dimethylamino)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester.....	13.2%
INERT INGREDIENTS.....	86.8%
	100.0%

REFORMULATION OR REPACKAGING: Contains potassium diborate. IS PROHIBITED

*Contains 120 grams per liter or 1 pound per U.S. gallon of the active ingredient.

[®] Registered trademark of Monsanto Company

NET 1 GALLON

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

STORAGE:

Store this product above 50°F to avoid crystallization. If crystals form or product freezes, move to heated room (72°F) and shake well after product has reached room temperature.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Do not reuse emptied container.

Observe all labeled safeguards until container is completely drained. Emptied container retains vapor and product residue.

Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Product protected by U.S. Pat. No. 4,682,184. Other patents pending.

MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.

C MONSANTO COMPANY 1989

EPA Reg. No. 524-JOX

LMA Est. 524 JX-X

A-653.12-80B.18

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 13 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act

LIMIT OF WARRANTY

This Company warrants that this label and its reasonably foreseeable directions for use label books those Directions under the WARRANTY OR IMPLIED WARRANTY OR MERCHANTABILITY IS MADE and limitations stated herein.

Buyer and all users shall prom based on contract, no agency, i

Buyer and all users are responsible which results from conditions not limited to, incompatibility, Directions, application to or cor weather conditions which are application site and for the best Directions, application in any moisture conditions outside the presence of products other than crop or treated vegetation.

THE EXCLUSIVE REMEDY OF LIABILITY OF THIS COMPANY LOSSES, INJURIES OR DAMAGES OF THIS PRODUCT (INCLUDING STRICT LIABILITY, OTHER THAN PRICE PAID BY THE USER OR INVOLVED, OR, AT THE SELLER, THE REPLACEMENT OF PURCHASE, REPLACEMENT OF COMPANY OR ANY OTHER CONSEQUENTIAL OR SPECIAL

Buyer and all users are deemed WARRANTY AND LIABILITY in agreement.

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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.

1. Add the following text to the label: "See precautions: During mixing and loading, wear chemical resistant gloves. Wash hands and gloves thoroughly with soap and water before use again."

2. Add the words "Reregistration" and "Status" to the label below your change the product for shipment.

3. Add to the label product label: "See precautions: During mixing and loading, wear chemical resistant gloves. Wash hands and gloves thoroughly with soap and water before use again."

4. Add to the label the following text: "See precautions: During mixing and loading, wear chemical resistant gloves. Wash hands and gloves thoroughly with soap and water before use again."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with this Act. Your failure to ship the product constitutes acceptance of these conditions. A copy of the label is enclosed for your records.

JOHN L. MILLER
Product Manager (10)
Fungicide and Fungicide Branch
Registration Division (10-700)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

John L. Miller 11/11

**DIMENSION® 1EC
TURF HERBICIDE
by Monsanto**

FOR PROFESSIONAL TURF APPLICATOR USE ONLY

Dimension® 1EC is a selective herbicide for the preemergence and postemergence control of listed annual grasses and broadleaf weeds in established cool and warm season turfgrasses in lawns and ornamental turf.

~~EXPIRES ON 12/31/91~~

*Dimension is a registered trademark of Monsanto Company.

1991-1

A-853.12-000.17/53

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

REFORMULATION OR REPACKAGING IS PROHIBITED.

LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described herein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

JUN 18 1991

(MON-15104NEW)

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

6/18/91

514-434

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Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

HAZARDOUS IF INHALED.

Avoid breathing vapor or spray mist.

Wash thoroughly with soap and water after handling.

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Environmental Hazards

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BIRD CAUTION:

While avian toxicology studies have shown low acute toxicity to birds, the potential for avian reproduction effects is being evaluated. To reduce potential exposure to birds, do not apply this product in split applications; make only one application per season; do not apply more than 2 quarts per acre (1/2 pound a.i. per acre). Avoid known bird nesting sites and areas where birds are actively feeding when applying this product.

ACTIVE INGREDIENTS:

*Dithiopyr [3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,6-dimethyl ester].....13.2%

INERT INGREDIENTS:.....86.8%
100.0%

*Contains 120 grams per litre or 1 pound per U. S. gallon of the active ingredient.

Product protected by U. S. Patent No. 4,692,184. Other patents pending.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

STORAGE:

Store this product above 50°F to keep from avoid crystallization. If crystals form or product freezes, move product to area with ambient temperature of 70°F or greater and shake well until crystals have dissolved.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Do not reuse emptied container.

Observe all label safeguards until container is triple rinsed. Emptied container retains vapor and product residue.

Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

This product is a selective turfgrass herbicide for preemergence control of crabgrass and other susceptible annual grasses and broadleaf weeds in established lawns and ornamental turf. It also provides selective postemergence control of crabgrass. This product can only be applied once per year at a maximum use rate of 2 quarts per acre ($\frac{1}{2}$ pound active ingredient per acre). This product will not harm nearby established ornamentals when used according to label directions.

PRECAUTIONS

For best results, cultural practices that disturb the soil, such as core aeration or verticutting, should be done before applications of this product. Although not required, irrigation or rainfall within 7 days after application will help move this product into the weed germination zone for enhanced performance.

Reseeding or Sprigging: Reseeding, overseeding, or sprigging of treated areas within 3 months after application of this product may inhibit the establishment of desirable turfgrass. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use seeding equipment designed to give good seed and soil contact.

This product may be used on seeded, sodded, or sprigged turfgrass that is well-established. The turf developed a good root system and uniform stand before application.

Use of this product on turfgrass not well-established, weakened by weather, or mechanical related stress may increase the potential for injury.

Use of this product on non-amended putting greens (high clay content) may result in undesirable turfgrass injury.

DO NOT apply to desirable flowers, vegetables, shrubs or trees.

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

DO NOT allow domestic animals to feed or forage on the treated turf.

Keep people and pets off treated area until spray solution has dried.

This product can only be applied once per year at a maximum use rate of 2 quarts per acre (1/2 pound a.i. per acre). Do not make repeat or split applications of this product during a single growing season.

TURFGRASSES

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

Bentgrass, creeping
Agrostis stolonifera

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

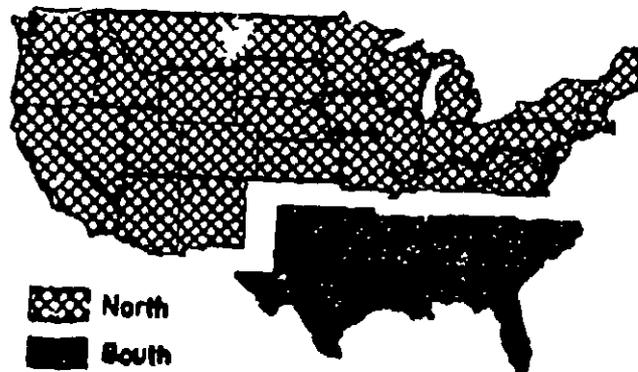
St. Augustinegrass
Stenotaphrum secundatum

Zoysiagrass
Zoysia japonica

Use of this product on certain varieties of Chewings fine fescue may result in undesirable turf injury.

APPLICATION DIRECTIONS

This product provides preemergence control of listed annual grasses and broadleaf weeds found in established turfgrass. The following map is a guide for selecting application rates within the United States.



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This product must be applied as either a preemergence in the spring, postemergence in the spring/summer, or as a preemergence in the fall. Only one of these applications may be applied per year.

Preemergence Control of Annual Grasses and/or Annual Broadleaf Weeds

This product should be applied as a single application prior to the germination of annual grasses and/or broadleaf weeds. Use the higher recommended use rates where weed infestations are dense and/or applications are made early and longer residual control is desirable.

For preemergence control and/or suppression of annual bluegrass and listed winter annual broadleaf weeds, apply this product in the fall prior to their germination and emergence. Use the higher recommended use rates where weed infestations are dense.

Refer to the following table for recommended use rates of this product for the preemergence control of annual grasses and/or broadleaf weeds.

Weeds Controlled and Use Rate Recommendations for Preemergence Applications

Suggested Use Rates

Weeds	North		South	
	Qts/A	fl oz/ 1000 sq ft	Qts/A	fl oz/ 1000 sq ft
Crabgrass, Large Smooth Southern Foxtail, Green Yellow	1 to 2	¼ to 1¼	2	1¼

Barnyardgrass	2	1 1/4	2	1 1/4
Crowfootgrass				
Common Lespedeza				
Common Purslane				
Corn Speedwell				
Kikuyugrass				
Oxalis,				
Buttercup Oxalis				
Creeping Woodsorrel				
Yellow Woodsorrel				
Smutgrass				

Annual Bluegrass	2	1 1/4	2*	1 1/4*
Bittercress				
Carolina Geranium				
Chickweed				
Corn Speedwell				
Goosegrass				
Henbit				
Parsley-plant				
Pineappleweed				
Shepardspurse				
Spurge,				
Prostrate				
Spotted				

*Use of this product at this rate will only provide partial control and/or suppression of listed weeds.

Postemergence Control of Crabgrass

Application of this product alone will provide early postemergence control of crabgrass when treated prior to reaching the tillering stage of growth.

For the control of tillered crabgrass (up to 3 tillers), this product should be applied in combination with either MSMA or Acclaim™.

Refer to the following table for the recommended use rates of this product for postemergence control of crabgrass when applied alone or with either MSMA or Acclaim.

Recommended Use Rates for Postemergence Control of Crabgrass

Use Zone	Dimension				MSMA lbs ai/A	or Acclaim	
	Alone Pre-Tillered		Tank-Mix Post-Tillered			fl oz/A	fl oz/ 1000 ft ²
	Qts/A	fl oz/ 1000 ft ²	Qts/A	fl oz/ 1000 ft ²			
North	1½-2	1-1½	1-1½	½-1	½-1½	10-15	0.23-0.35
South	2	1½	1½-2	1-1½	1-2	12-15	0.28-0.35

TMAcclaim is a trademark of Hoechst-Roussel Agri-Vet Company.

NOTE: Observe all limitations, precautionary statements, and use restrictions on labels for MSMA or Acclaim before using these tank mixtures. Refer to specific turfgrass species for safety information for these products. The addition of a nonionic surfactant at 0.25% by volume or 1 quart per 100 gallons of spray solution may improve control. Always read and follow the surfactant manufacturer's label recommendations.

TANK MIXTURE

READ THE LABEL OF EACH TANK MIXTURE PRODUCT USED AND FOLLOW THE PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, AND OTHER RESTRICTIONS.

This product may be tank-mixed with fluid fertilizers and/or other pesticides. When applied according to label directions, a tank mixture of this product and an EPA registered pesticide will provide control of susceptible pests listed on the respective labels for the two products.

A compatibility test (see "COMPATIBILITY TEST" SECTION) is suggested before tank-mixing of this product with fluid fertilizers and/or other pesticides.

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COMPATIBILITY TEST

Before mixing this product with fluid fertilizers and/or other pesticides, it is advisable to test compatibility by mixing all the components in a small jar in proportionate quantities.

Amount of Pesticide
Added to Spray Carrier
(assuming Volume is 25 GPA)

Pesticide Formulation	IF: Rate Per Acre	ADD:	Level TEAspoons per Pint Jar of Carrier Solution
Dry	1 lb		1½
Liquid	1 qt		1

This compatibility test is designed for 25 gallons of spray solution per acre. The table above gives general guidelines for use rate ratios of pesticides to be tank mixed with this product. Determine the amount of pesticide to tank mix by referring to their label(s). Then, calculate the amount to add to jar based on use rate ratios in table. For a use rate of 1 pound per acre of dry pesticide add 1½ teaspoons to jar, and for 1 quart per acre of liquid pesticide add 1 teaspoon to jar. This product should be added based on use rate ratios for liquid pesticides (For use rate of 1 quart per acre add 1 teaspoon to jar). For changes in spray volume or herbicide rate, make appropriate changes in the ingredients for the test. Shake well after mixing.

If pesticide(s) does not form crystals, flakes, sludge, gels, oily films or layers then the tested components are compatible. Incompatibility in any of the above described forms will usually occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Repeat the above compatibility test with a suitable compatibility agent (1/2 TEAspoon per pint jar is equivalent to 2 pints per 100 gallons of spray solution).

MIXING INSTRUCTIONS

Water or Fluid Fertilizer

Dimension^o Alone:

Fill the spray tank to about three-fourths of the desired volume. Add the recommended amount of this product. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source.

Tank Mixtures:

Determine the compatibility of this product with water carrier or fluid fertilizer carrier by mixing small proportional quantities in advance. See the "COMPATIBILITY TEST" section in this label.

Mix this product with the appropriate carrier as follows:

1. Place a 20 to 35 mesh screen or wetting basket over the filling port.
2. Fill the sprayer one-half full with the appropriate carrier. Start agitation and continue agitation through mixing and spraying operations.
3. Add a compatibility agent if needed. Read and follow all the information found on the product label for the selected compatibility agent. Check for adequate agitation.
4. If a wettable powder or dry flowable pesticide formulation is used, make a slurry with water, and add it SLOWLY to the tank.
5. If a flowable pesticide formulation is used, premix with one part water, and add SLOWLY to tank.
6. Add this product or emulsifiable concentrate pesticide formulations to the tank.
7. Add water soluble liquid pesticide formulations followed by surfactants or drift control additives while continuing the filling process.
8. Maintain good agitation at all times until the contents of the tank is sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Tank Mix Recommendation for Goosegrass Control

For use on golf courses and sod farms only within the state of Florida under a special local need authorization under FIFRA section 24(c). Illoxan is a RESTRICTED USE PESTICIDE and should only be applied by a certified applicator.

Application of this product in combination with Illoxan™ JEC will provide postemergence control of goosegrass in bermudagrass turf.

This tank mix combination can only be applied to bermudagrass turf cultivars.

Apply this product at 2 quarts per acre in combination with 32 to 65 fluid ounces of Illoxan per acre. The use rate of Illoxan depends upon the growth stage of goosegrass (Refer to Illoxan label for specific recommendations).

The addition of a nonionic surfactant at 0.25% by volume or 1 quart per 100 gallons of spray solution may improve control.

This tank mixture can only be applied once during a growing season at a maximum use rate of 2 quarts per acre of this product, and 65 fluid ounces of Illoxan per acre.

Refer to the Illoxan label for all limitations, precautionary statements, and use restrictions before applying this tank mixture.

™Illoxan is a trademark of Hoechst-Roussel Agri-Vet Company.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply in sufficient amount of water or fluid fertilizer solution to provide uniform spray distribution. For best results, calibrate application equipment prior to usage. Avoid streaking, skips, or overlaps during application.

Do not apply this product through any type of irrigation system.

*MONSANTO COMPANY 1991

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In case of an emergency involving this product, Call Collect, day or night, (314)694-4000.

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