

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

35512-29

2-22-2000

1/3

FEB 22 2000

H. R. McLane  
7210 Red Road, Suite 206  
Miami, Florida 33143-5321

Dear Mr. McLane:

SUBJECT: 8-Month Response to Oryzalin RED  
Turf Pride with .5% Surflan (R) Pre-Emergence Herbicide  
EPA Registration Number 35512-29  
Your Submission Dated December 31, 1999

The revised labeling for the subject product, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A stamped copy of the labeling is enclosed for your records. Please submit one copy of your final printed labeling incorporating this change before you release the product for shipment.

EPA has determined that you have fulfilled the labeling and product specific data requirements of the oryzalin RED. However, we cannot reregister this product at this time for the following reason:

- o The subject product is registered for use on turfgrass, a use for which the Agency does not have sufficient information to make a reregistration eligibility decision. Once the required data (foliar dislodgeable residues/guideline 132-1a; soil dislodgeable residues/guideline 132-1b; estimation of dermal exposure/guideline 133-3; and estimation of inhalation exposure/guideline 133-4) have been reviewed by the Agency, EPA will make a reregistration eligibility decision for the turfgrass use.

Sincerely yours,

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

Enclosure

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	Miller							
DATE	2/22/00							

**EMERGENT CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS OR WITH A SPLIT APPLICATION FOR LONGER LASTING WEED CONTROL**

**ACTIVE INGREDIENT:**

ORYZALIN: 3,5 dinitro N<sub>4</sub>N<sub>4</sub> (dipropylsulfanilamide) 0.5%

OTHER INGREDIENTS: 99.5%  
Total 100.0%

\*1 AN® is the Registered Trade Mark of the DowAgro Sciences, for oryzalin.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENTS OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.  
**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.  
**IF INHALED:** Remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. The granular formulation may cause skin sensitization reactions in some individuals. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not contaminate water when disposing of equipment washwater. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**DIRECTIONS FOR USE**

A violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on turf being grown for sale or other commercial uses as sod, or for commercial seed reproduction, or for research purposes. The specific application rate for this product is 50 lbs. per 5,500 to 7,300 sq. ft. with a minimum of 3 months between multiple applications. Apply no more than 3 applications (equiv. to 6 lbs. Oryzalin A.I.) per acre, per year.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **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 and local authorities, by burning. If burned stay out of smoke.

**WHERE TO USE**

When applied according to directions this product can be used safely on the following established Southern Lawn, warm season turfgrass varieties: BAHIA-GRASS, BERMUDAGRASS, CENTIPEDEGRASS, ST. AUGUSTINEGRASS VARIETIES, TALL FESCUE VARIETIES, & ZOYSIAGRASS lawns and ornamental turf. It may be used for Home Lawns, Apartment and Condominium complexes, Park, Golf Courses, Athletic Fields, Cemeteries and all other ornamental and recreational turfgrass areas.

**A BROAD SPECTRUM PRE-EMERGENT HERBICIDE + FERTILIZER FOR SOUTHERN LAWNS CONTROLS GRASSY WEEDS & BROADLEAF WEEDS**

This product gives excellent pre-emergent control of GRASSY AND BROADLEAF WEEDS as listed. It contains SURFLAN® Herbicide (commonly known as Oryzalin) in a free flowing combination herbicide fertilizer product.

**GRASSY WEEDS**

It should be applied to established turf for the control of ANNUAL BLUEGRASS (Poa Annua), BARNYARD GRASS, CRABGRASS (Large Crabgrass, Smooth Crabgrass), CROWFOOTGRASS, FOXTAILS (Bottlegrass, Bristlegrass, Giant Foxtail, Green Foxtail, Pigeongrass, Robust Foxtail, Yellow Foxtail), GOOSEGRASS (Silver Crabgrass), JOHNSON GRASS SEEDLINGS, RYEGRASS (Italian), and SANDBUR (field).

**BROADLEAF WEEDS**

Will also control many Broadleaf Weeds: CARPETWEED, COMMON CHICKWEED, HENBIT, KNOTWEED, COMMON PURSLANE. The following weeds may be suppressed by applications of this product: COMMON GROUNDSEL, PROSTRATE SPURGE, YELLOW WOODSORREL.

EPA Reg. No. 35512-29 EPA EST. NO. 35512-FL-1  
NET WEIGHT 50 POUNDS

For pre emergence weed control of "winter annual" grassy and broadleaf weeds apply 50 lbs./5,500 sq. ft. of Lawn; (this is equal to 2.00 lbs herbicide per acre), Apply in the fall (as early as Mid September) or early winter at least one to two weeks prior to warm moist weather which is ideal for the germination of weed seeds. See Chart; (4).

**SPRING ANNUAL WEEDS**

For control of weeds as listed in late winter or spring apply 50 lbs. to cover 5,500 sq. ft. (equivalent to 2.0 lbs. herbicide per acre) Apply 1 to 2 weeks prior to the onset of conditions favorable for weed seed germination. See CHART; (No. 1).

**SPLIT APPLICATIONS**

**FOR LONGER LASTING WEED CONTROL**

FOR SPRING GERMINATING SUMMER ANNUAL GRASSES AND BROADLEAF WEEDS. A split application is desirable when the initial application is made well in advance of warm weather and where weed control is desired for a longer period of time: 6 TO 8 MONTHS. It is especially recommended where tall fescue is the dominant turfgrass species. Therefore apply at the rate of 50 lbs to cover 7,300 sq. ft. (300 lbs./Acre) of turf area in the fall and the second application made at the same rate about 3 months following the initial applications. Example: (If applied on December 1, the second application should be made in the first week the following February.)

**LATE SPRING/ EARLY SUMMER ANNUAL WEEDS**

Although classified as a summer annual grass, Goosegrass normally germinates 4 to 6 weeks later than the Crabgrass, Foxtails and other summer annual grass species. Certain Broadleaf weeds such as Prostrate and Spotted Spurge also may germinate "late". For best control of late germinating weeds this product should therefore be applied "later" than for early germinating weeds. See Chart; (2) Apply 50 lbs. to treat 5,500 (400 lbs./Acre) sq. ft. of turf in late spring or early summer one to two weeks prior to the expected weed seed germination.

**POA ANNUA (ANNUAL BLUEGRASS)**

Use 50 lbs./7,300 sq. ft. (300 lbs./Acre), applied in the fall before seed germinates. In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in very thin turfgrass areas. Proper fertilization, irrigation and soil incorporated seeding or sprigging will encourage existing and newly planted seeds and turf to fill in those areas. See Chart; (3)

**RESEEDING THE TREATED AREA**

Delay reseeding for 90 to 120 days after application. Increase the amount of seed by about 25%. Keep area moist to help seed germinate.

**SPREADER SETTINGS**

SPREADER	400 lbs./ Acre -	300 lbs./ Acre
	50 lbs./5,500 SQ. FT.	50 lbs./7,300 SQ. FT.
CYCLONE B	50 lbs. 4 1/2	3 1/2
SCOTTS #35	50 lbs. 5	4

NOTE: Spreader rate varies with walking speed. Check spreader over known area. \*See below.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N)	variable %
Nitrate Nitrogen	variable %
Ammoniacal Nitrogen	variable %
Water Soluble Organic Nitrogen (and/or Urea Nitrogen)	variable %
Water Insoluble Nitrogen	variable %
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	variable %
Soluble Potash (K <sub>2</sub> O)	variable %
Chlorine, not more than	%

Derived from Ammonium Sulfate, Ammonium Phosphate, Sulfur Coated Urea, Sulfate of Potash. Statement of Secondary Plant Foods: Manganese as Mn - % Iron as Fe - % Derived from: Manganese Sulfate, Iron Monohydrate

**WHEN TO APPLY**

APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE

JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	2	3	4								

1. For CRABGRASS and other Grasses & Broadleaf Weeds germinating in Late winter & spring.
2. For GOOSEGRASS and other Late Germinating Broadleaf Weeds and grasses.
3. For POA ANNUA in Southern Turf.
4. For Fall Applications to control WINTER ANNUAL 8 and for Split Applications in control SPRING GERMINATING SUMMER ANNUAL GRASSES and BROADLEAF WEEDS.

**IMPORTANT PRECAUTIONS**

DO NOT apply in the spring to Bermuda Grass which has been overseeded with winter grasses (annual rye) since thinning will occur. DO NOT use on Dichondra, nor to newly sprigged areas of Bermudagrass, St. Augustine Grass or Centipede Grass, until these turfs are well established, nor to Bentgrass or putting greens. Do not apply in spring to new turfgrass planted the previous fall.

DO NOT OVERDOSE OR "OVERLAP" THE APPLICATION.

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this material not in accordance with the terms of this label. (35512-29, p85 in compliance w/ 03-24-09 Ilr; (12-21-99)

**HOWARD FERTILIZER COMPANY**

P.O. BOX 13800 - ORLANDO, FL 32859

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

FEB 22 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
35512-24

