

8378-37

8-8-2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. H.R. McLane
H.R. McLane, Inc.
7210 Red Road, Suite 206
Miami, FL 33143-5321

AUG 8 2000

Dear Mr. McLane:

SUBJECT: 8-Month Response to the Trifluralin RED
SHAW'S TURF FOOD & CRABGRASS
CONTROL with TEAM 142
EPA Registration Number: 8378-37
Your Resubmission (Revised Labeling)
Dated April 6, 2000

The revised labeling for the subject product, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. There are typographical errors on your product labeling. Under the heading entitled "PRECAUTIONARY STATEMENTS," delete the following redundant precautionary ocular statement: "Do not get in eyes." Under the heading entitled "SPREADER SETTINGS" in the third sentence, revise "... isalso ..." to read as "... is also...."

A stamped copy of the labeling is enclosed for your records. Please submit (1) one copy of your final printed labeling before you release the product for shipment.

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

- The subject product is registered with (2) two active ingredients: trifluralin and benefin. As previously stated, you have fulfilled the labeling and product specific data requirements of the trifluralin RED; however, the Agency does not have sufficient information to make a reregistration eligibility decision on benefin. Once the required data have been reviewed by the Agency, EPA will make a reregistration eligibility decision for benefin.

If you have any questions regarding this letter, please contact Marcel Howard at (703)3045-6784.

Sincerely yours,

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

Enclosures

WARNING

FIRST AID STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED - Call a poison control center or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. **IF IN EYES** - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for further advise. **IF ON SKIN** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Wash with plenty of soap and water. Get medical attention. Call a poison control center or doctor for treatment advise. **IF INHALED** - Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advise. **NOTE TO PHYSICIAN**: Probable mucosal damage may contraindicate the use of gastric lavage. Take product bag or label with you when calling or going to poison control center, or doctor.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Do not get in eyes. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Personal Protective Equipment

Users should wear protective clothing such as long pants, long-sleeved shirt, shoes and socks and waterproof gloves. Wear protective eyewear (goggles, face shield, or safety glasses).

User Safety recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine and estuarine fish and aquatic invertebrates including shrimp and oysters. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not apply in a manner that will directly expose canals, lakes, streams, ponds, marshes, or estuaries to drift. 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. Not for use on turf being grown for sale or other commercial use, as sod, or for commercial seed production, or for research purposes.

Entry Restrictions

Do not allow people or pets to enter the treated area until dusts have settled. If watering is required after the application do not enter or allow others to enter the treated areas (except those involved in the watering) until the watering is complete and the surface is dry. Do not apply this product in a way that will contact any person or pet either directly or through drift. Keep people and pets out of the area during application.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE**: Store product in its closed original container in a cool, dry, locked place out of reach of children. **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. **HOUSEHOLD**: Do not re-use empty bag. Wrap and put in trash.

WHERE TO USE

When applied according to directions the following turfgrasses are tolerant. **BAHIA GRASS, BENT GRASS**- fairway cut, **BERMUDA GRASS, BLUE GRASS**, perennial varieties, **CENTIPEDA GRASS, FESCUE** varieties, **RYE GRASS** - perennial varieties, **ST. AUGUSTINE GRASS, and ZOYSIA GRASS**.

CONTROLS GRASSY and BROADLEAF WEEDS

For **CRAB GRASS** (Smooth and Hairy), **GOOSE GRASS** (Silver Crab or Crowfoot), **BARNYARD GRASS** (Watergrass), **FOXTAIL** (Green and Yellow), and **ANNUAL BLUE GRASS** (Poa Annua) while providing a complete lawn fertilization.

This product also gives partial control of **PROSTRATE SPURGE, SPOTTED SPURGE, CREEPING SPURGE, CREEPING** and **YELLOW WOODSORREL**.

SEE APPLICATION CHART FOR APPROPRIATE TIME TO APPLY

IMPORTANT PRECAUTIONS IN USING THIS PRODUCT

- DO NOT apply in the spring to Bermuda Grass which has been overseeded with winter grasses (annual rye) since thinning will occur.
- DO NOT do not use on Dichondra, nor to newly sprigged areas of Bermudagrass, St. Augustine Grass or Centipede Grass, nor to Bentgrass or Putting Greens until these turfgrasses are well established.
- DO NOT apply in spring to turfgrass planted the previous fall. This product may thin established Annual Bluegrass (Poa Annua) & Fine-Leaved Fescue lawns when used at higher rates than 105 lbs. per acre (1.5 lb. A.I. per Acre) Do not overdose.

FOR BEST RESULTS APPLY AT THE PROPER TIME

Successful pre-emergence control of the annual grassy weeds as listed requires proper application time. It must be applied 1 to 2 weeks prior to the germination of the weed seeds. All summer annual weeds do not germinate at the same time. For this reason application timing must coincide with the normal germination period of any one of the annual grassy weeds. If not, poor and erratic weed control will result due to improper application.

WATER THE TREATED AREA AFTER APPLICATION

Best results will be obtained if treated areas are irrigated with 1/4 to 1/2 inch water soon after application. Any cultural practices that disturb the soil such as verticulating, should be done prior to application of this product. Refer to Chart for Appropriate Times to Apply Herbicide. Will not harm most nearby ornamental trees and shrubs when used as directed.

"SPRING GERMINATING" SUMMER ANNUAL GRASSES

CRABGRASSES, GOOSEGRASS, FOXTAILS, BARNYARDGRASS

For Northern Turfgrasses use 16 lbs. to treat 5,000 to 6,600 sq.ft which is equal to 1.5 to 2.0 lbs. Active Ingredient per acre. Apply in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. Use for 5,000 sq.ft. where turf, during the previous year, was completely overrun with weeds. Use for 6,600 sq.ft. when weeds were sparse and the turf is in a Yearly Lawn Maintenance Program.

For Southern Turfgrasses use 16 lbs. to treat 3,300 to 5,000 sq.ft. which is equal to 2 to 3 lbs. Active Ingredient per acre. Apply in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. Use for 3,300 sq.ft. where turf, during the previous year, was completely overrun by weeds. Use for 5,000 sq.ft. when weeds, during the previous year, were sparse, or the turf is in a "Yearly Crabgrass Control Program". (8378-37-P65104-06-00)

For Northern Turfgrasses use 16 lbs. to treat 5,000 sq.ft. which is equal to 1.5 lbs. Active Ingredient per acre. Apply in late spring or early summer one to two weeks prior to the expected germination period of goosegrass.

For Southern Turfgrasses use 16 lbs. to treat 3,300 to 5,000 sq.ft. which is equal to 2 to 3 lbs. Active Ingredient per acre. Apply in late spring or early summer one to two weeks, prior to the expected germination of goosegrass. Use for 3,300 sq.ft. where turf, during the previous year, was completely overrun by weeds. Use for 5,000 sq.ft. where weeds, during the previous year, were sparse and the area is in a yearly lawn maintenance program.

APPLY TWICE FOR FULL SEASON CONTROL

In areas where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtail, and Barnyardgrass) and the later germinating Goosegrass is desired, two application at 105 lbs. each (a cumulative rate of 210 lbs. per acre which equals 3 lbs. A.I./Acre), spaced 6 to 8 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA CONTROL (ANNUAL BLUEGRASS)

In areas of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

For Northern cool season grasses use one 16 lb. bag to treat 5,000 sq.ft. of turf which is equal to 2 lbs. Active Ingredient per acre. Apply in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass.

For Southern warm season grasses use one 16 lb. bag to treat 3,300 sq.ft. of turf which is equal to 3 lbs. Active Ingredient per acre. Apply in the later summer or early fall one to two weeks prior to expected germination of poa annua. In southern areas where germination continues for extended periods of time a second application at 210 lbs. per acre can be made 8 to 10 weeks after the initial treatment.

TO RESEED TREATED AREAS

- Delay reseeding - 6 weeks when applying at the rate of 105 to 140 lbs./acre equal to 1.5 to 2.0 lbs. Active Ingredient/acre or when using one 16 lb. bag to cover 5,000 to 6,600 sq.ft.
- Delay reseeding - 12 to 16 weeks when applying at rate of 210 lbs./acre equal to 3.0 lbs. of Active Ingredient per acre or when using one 16 lb. bag to cover 3,300 sq.ft. of turfgrass.
- When Reseeding increase the amount of seed put down by 10-15%

SPREADER SETTINGS

The following spreader settings are for use with new equipment. Your spreader may need re-calibrating. Proper application is also based on equipment condition with regard to age and use, your walking speed and the unevenness of the terrain. Do not overlap. Poor weed control or turf damage can result from improper application.

Spreader	Pounds of Product to Apply per 1,000 sq.ft.		
	2.4 lbs./1,000, 16 lbs./6,600 sq.ft.	3.2 lbs./1,000, 16 lbs./5,000 sq.ft.	4.8 lbs./1,000, 16 lbs./3,300 sq.ft.
SCOTT #35	xx.x	xx	xx.x
CYLCON B1	x	xxx	xx.x

GUARANTEED FERTILIZER ANALYSIS

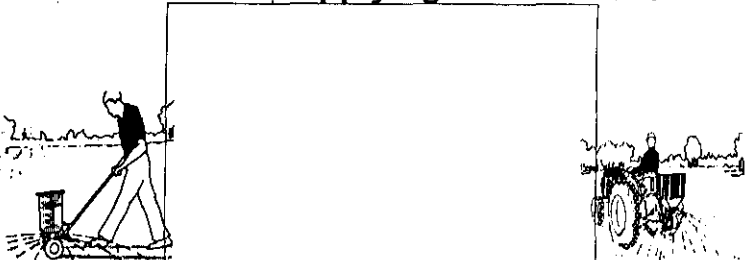
Nitrogen	Variable%	Primary Plant Food derived from
Ammoniacal (N)	Variable%	Urea, Sulfur Coated Urea, Muriate
Urea (N)	Variable%	of Potash, Ammoniated Phosphate,
Sulfur Coated Urea (N)	Variable%	Potential Acidity 810 lbs
Phosphoric Acid (P ₂ O ₅)	Variable%	Calcium Carbonate per ton.
Soluble Potash (K ₂ O)	Variable%	

*WHEN TO APPLY

JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
		1	1	2	2	3	3	3			
4	4	5	5	5	5	5	5	5	6	6	6
6	6	6	6	6	6	6	6	6	6	6	6

- For Crabgrass, Foxtail, Barnyardgrass in Northern Turf.
 - For Goosegrass - Northern Turf
 - For Poa Annua in Northern Turf.
 - For Crabgrass, Foxtail and Barnyardgrass in Southern Turf.
 - For Goosegrass - Southern Turf.
 - For Poa Annua in Southern Turf.
- *Apply 1 to 2 weeks before weed seed germination at your locale.
**Two application may be needed during this period to give maximum control.

Method Of Applying This Product



EPA REG. NO. 8378-37 EPA EST. NO. 8378-IN-1
NET WEIGHT 16 POUNDS

KNOX FERTILIZER COMPANY, INC. P.O. Box 248 KNOX, IN 46534

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ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 8 2000

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

8368-37