

Knox Fertilizer & Chemical Company
c/o H.R. McLane, Inc.
7210 SW. 57th Avenue, Suite 212A
Miami, FL 33143

APR 26 1988

Gentlemen:

Subject: Revised Labeling - Trifluralin Standard
Turf Food With Team Pre-emergence Crabgrass Control
EPA Registration No. 8378-17 ✓
25-3-3 Premium Lawn Food With Crabgrass Control
EPA Registration No. 8378-18
Shaw's Premium Lawn Food With Crabgrass Control
EPA Registration No. 8378-19
18-5-9 Turf Food With XL Crabgrass Control
EPA Registration No. 8378-20
Your Submissions Received April 18, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

As labels are printed:

1. Under WHEN AND HOW TO APPLY, delete the phrase "It is not necessary but . . ." regarding irrigation after application.

11244:I:Mountfort:LMF-03:KENCO:4/22/88:5/2/88:EK:vo:psr:rw

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

2. For EPA Registration No. 8378-17, it would appear necessary to adjust the fertilizer analysis so that the nitrogen content totals 18 percent. We note that you are using the 18-5-9 grade under this registration.

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

3 4 5
NET WEIGHT 40 LBS.
Covers 6,660 to 10,000 Sq. Ft.



EPA REG. NO. 8378-17
This copy Dated APR 12 1988
is in response to the Treflan
Reregistration Standard and
displays the appropriate
changes required on pages 36,
37 & 38 of that document.

TURF FOOD with TEAM

PRE-EMERGE CRABGRASS CONTROL

PLUS
18 - 5 - 9
FERTILIZER

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 26 1988

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this product is
registered under Reg. No. 76%
38%
98.86%
100.00%

ACTIVE INGREDIENTS:

N-butyl-N-ethyl-alpha, alpha, alpha
trifluoro-2, 6-dinitro-p-toluidine
TRIFLURALIN: Alpha, alpha, alpha, trifluoro-2,
6-dinitro-N, N-dipropyl-p-toluidine

INERT INGREDIENTS

TOTAL

GUARANTEED FERTILIZER ANALYSIS:

Nitrogen	18.0%
1.80% Ammoniacal Nitrogen	
17.20% Urea Nitrogen	
6.00% Sulfur Coated Urea	
Phosphoric Acid (P ₂ O ₅)	5.0%
Soluble Potash (K ₂ O)	9.0%
Iron (Fe)	1.0%

Primary Plant Food derived from Urea, Sulfur-Coated Urea, Muriate of Potash, Am-
moniated Phosphate Potential Acidity 1078 lbs. of Calcium Carbonate per ton.

KEEP OUT OF REACH OF CHILDREN!

WARNING

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with water with a steady,
gentle stream of water for 15 minutes. Call a physician.

IF SWALLOWED: Call a physician or Poison Control Center im-
mediately. Drink promptly a large quantity of milk, egg white,
gelatin solution, or, if these are not available, large quantities of
water. Avoid alcohol.

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

IF INHALED: If breathing difficulties occur, move individual to
fresh air and get medical attention.

**SEE BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Reg No 8378-17

EPA Est. No. 8378 IN-1

BEST AVAILABLE COPY

**Shaw's
TURF FOOD with TEAM**

**Shaw's
TURF FOOD with TEAM**

NET WEIGHT 40 LBS.
Covers 6,660 to 10,000 Sq. Ft.



**TURF FOOD
with
TEAM
18 - 5 - 9**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust or contact with skin or clothing. The granular formulation may cause skin sensitization reaction in certain individuals. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and chemical resistant gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use. Do not allow children or pets on lawn until 1/2" of water has been applied to lawn and the water has dried (or, if wet conditions persist, until 24 hours have passed).

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

STORAGE. Store in original container only. In case of leak or spill, contain material and dispose of waste.

PESTICIDE DISPOSAL. Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from 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.

DIRECTIONS FOR USE

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

WHERE TO APPLY

When applied according to these directions, this product can be used safely on the following turfgrass varieties: PERENNIAL BLUEGRASS VARIETIES, PERENNIAL RYEGRASS VARIETIES, BERMUDAGRASS, BAHIA GRASS, CENTIPEDE GRASS, FESCUE VARIETIES, ST. AUGUSTINE GRASS & ZOYSUAGRASS lawns and ornamental turf. Will not harm most ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED

This product contains a combination of Benflin and Trifluralin pre-emergence Herbicides plus a turf food. It should be applied to established turf for the control of CRABGRASS (smooth and hairy), GOOSEGRASS (Silver Crab or Crowfoot), BARNYARDGRASS (Watergrass), FOXTAIL (Green and Yellow), and ANNUAL BLUEGRASS (Poa Annual) and provides a complete lawn fertilization.

RATE OF NITROGEN FERTILIZER APPLICATION

40 POUNDS PER 13,330 SQ. FT.	=	0.75 LBS. (N) NITROGEN/1,000 SQ. FT.
40 POUNDS PER 10,000 SQ. FT.	=	1.00 LBS. (N) NITROGEN/1,000 SQ. FT.
40 POUNDS PER 6,660 SQ. FT.	=	1.50 LBS. (N) NITROGEN/1,000 SQ. FT.

WHEN TO APPLY

Apply to turf prior to germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

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. Do not apply to Bentgrass or Putting Greens. DO NOT apply in spring to Turfgrass planted the previous fall. This product may thin established Annual Bluegrass (Poa Annual) & Fine Leaved Fescue lawns when used at higher rates than 1.75 lbs. per acre (2.0 lb. A.I. per Acre). Do not overdose.

WHEN AND HOW TO TIME THE APPLICATION

Successful pre-emergence control of the annual grass weeds on this label requires proper timing of application. This product must be applied one to two weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grassy weeds listed on this label, weed control results may be erratic or poor.

AFTER THE LAWN AFTER APPLICATION. It is not necessary but optimum weed control performance will be obtained if treated areas are irrigated with 1/2 to 1" of water soon after application. Any cultural practices that disturb the soil, such as verticillating, should be done prior to application of this product.

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SPRING GERMINATING SUMMER ANNUAL GRASSES CRABGRASS, FOXTAIL, BARNYARDGRASS

- A Northern cool season grasses—For pre-emergence control apply 132 to 176 lbs. per acre (equal to 1.5 to 2.00 lbs. Active Ingredient per acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. One 40 lb. bag will cover 10,000 to 13,330 Sq. Ft. Use for 10,000 Sq. Ft. where turf is completely overrun with weeds. Use for 13,330 Sq. Ft. when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.
- B Southern warm season turfgrasses—For pre-emergence control apply 176 to 263 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre), in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. One 40 lb. bag will cover 6,660 to 10,000 Sq. Ft. Use for 6,660 Sq. Ft. where turf is completely overrun by weeds. Use for 10,000 Sq. Ft. when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

“LATE SPRING EARLY SUMMER GERMINATING” ANNUAL GRASSES GOOSEGRASS (SILVER CRAB)

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. Applications of this product should therefore, be timed accordingly.

- A Northern cool season turfgrasses—For pre-emergence control apply 176 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination period of goosegrass. Use 40 lbs. to cover 10,000 Sq. Ft.
- B Southern warm season turfgrasses—For pre-emergence control, apply 176 to 263 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination of goosegrass. Use one 40 lb. bag to cover 6,660 to 10,000 Sq. Ft. Use for 6,660 Sq. Ft. where turf is completely overrun by weeds. Use for 10,000 Sq. Ft. when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

APPLY TWICE FOR FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES

In areas of the United States where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtail, and Barnyardgrass) and the later germinating Goosegrass is desired, two applications of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

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.

- A Northern cool season turfgrasses—For pre-emergence control apply 176 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product per acre in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass. One 40 lb. bag will treat 10,000 Sq. Ft. of turfgrass.
- B Southern warm season turfgrasses—For pre-emergence control apply 263 lbs. per acre (equal to 3 lbs. Active Ingredient per acre) of this product per acre in the later summer or early fall one to two weeks prior to expected germination of poa annua. In southern areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application at 263 lbs. per acre can be made 10 to 12 weeks after the initial treatment. One 40 lb. bag will treat and feed 6,660 Sq. Ft. of turfgrass.

RESEEDING TREATED AREAS 1. Delay reseedling — 6 weeks when applying at the rate of 132 or 176 lbs. of product per acre (equal to 1.5 to 2.0 lbs. Active Ingredient per acre or when using 40 lbs. to cover 13,330 to 10,000 Sq. Ft.)

2. Delay reseedling — 12 to 16 weeks when applying at the rate of 263 lbs. of product per acre (equal to 3.0 lbs. of Active Ingredient per acre or when using 40 lbs. to cover 6,660 Sq. Ft. of turfgrass).

WHEN RESEEDING — INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%

SPREADER SETTINGS

The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

SPREADER	40# BAG Per Sq. Ft.	NORTHERN LAWNS		SOUTHERN LAWNS	
		Crabgrass, etc.	Poa Annua	Crabgrass, etc.	Poa Annua
Scott 35	13,330 Sq. Ft.	3	4 1/2	—	—
	10,000 Sq. Ft.	4	5 1/2	4	5 1/2
	6,660 Sq. Ft.	—	—	5 1/2	6
Cyclone B1	13,330 Sq. Ft.	2	3	—	—
	10,000 Sq. Ft.	3	4	3	4
	6,660 Sq. Ft.	—	—	4	4 1/2

40 LBS. TO TREAT 13,330 SQ. FT. = 132 LBS. PER ACRE = 1.50 LBS. A.I./ACRE

40 LBS. TO TREAT 10,000 SQ. FT. = 176 LBS. PER ACRE = 2.00 LBS. A.I./ACRE

40 LBS. TO TREAT 6,660 SQ. FT. = 263 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

NOTE: ABOVE SPREADER SETTINGS ARE APPROXIMATE. Check your spreader on 100 Sq. Ft. and adjust to apply 6 oz. per 100 Sq. Ft. Rate of walk, moisture and spreader condition can vary the setting necessary to apply the correct amount.

CAUTION:

For your family safety, keep out of reach of children. Do not apply to sidewalks, driveways, patios, or other concrete surfaces as staining may occur.

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

FORMULATED AND PACKED FOR GOLF COURSES,
PARKS AND INDUSTRIAL TURF CARE

By

KNOX FERTILIZER & CHEMICAL COMPANY, INC.
KNOX, INDIANA 46534

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