

PD 48-52 lbs/cu.ft

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

APR 26 1988  
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.

- 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



NET WEIGHT 18 LBS.  
Covers 5,000 - 6,700 Sq. Ft.  
(Northern Lawns)



**25-3-3  
PREMIUM LAWN FOOD  
with  
CRABGRASS CONTROL**

**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 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.

**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, CENTIPEDEGRASS, FESCUE VARIETIES, ST. AUGUSTINE GRASS & ZOYSIAGRASS lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

**WEEDS CONTROLLED IN ESTABLISHED TURF**  
This product contains a combination of Benfen and Trifluralin pre-emergence Herbicides plus a 25-3-3 Lawn Food. It should be applied to established turf for the control of CRABGRASS (Smooth and Hairy), GOOSEGRASS (Silver Crab or Crowfoot), BARNYARDGRASS (Watergrass), FOXTAIL (Creech and Yellow), and ANNUAL BLUEGRASS (Poa Annua) and provides a complete lawn fertilization.

**RATE OF NITROGEN FERTILIZER APPLICATION**

18 POUNDS PER 6,700 SQ. FT.	=	0.50 LBS. (N) NITROGEN/1,000 SQ. FT.
18 POUNDS PER 5,000 SQ. FT.	=	0.90 LBS. (N) NITROGEN/1,000 SQ. FT.
18 POUNDS PER 3,350 SQ. FT.	=	1.34 LBS. (N) NITROGEN/1,000 SQ. FT.

**WHERE, WHEN AND HOW TO APPLY THIS PRODUCT:**  
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, nor to Bentgrass or Putting Greens. 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 158 lbs. per acre (2.0 lb. A.I. per Acre). Do not overdose.

**RATES, FREQUENCY, AND TIMING OF APPLICATION**  
Successful pre-emergence control of the annual grass weeds on this label requires proper application time. 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.  
**WATER THE LAWN AFTER APPLICATION:** It is not necessary but optimum weed control performance 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 verticutting, should be done prior to application of this product.

**"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:**

18 POUNDS TO TREAT 6,700 SQ. FT. = 1.5 lbs. A.I./ACRE: FOR 5,000 SQ. FT. = 2.0 lbs. A.I./ACRE

A. Northern cool season grasses—For pre-emergence control, apply 118 to 157 lbs. per acre, (equal to 1.5 to 2.00 lbs. Act. Ingredients per acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination.

18 POUNDS TO TREAT 5,000 SQ. FT. = 2.0 lbs. A.I./ACRE: FOR 3,350 SQ. FT. = 3.0 lbs. A.I./ACRE

B. Southern warm season turfgrass—For pre-emergence control apply 157 to 237 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.

**"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.

18 POUNDS TO TREAT 5,000 SQ. FT. = 2.0 lbs. A.I./ACRE

A. Northern cool season turfgrasses—For pre-emergence control apply 157 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.

18 POUNDS TO TREAT 5,000 SQ. FT. = 2.0 lbs. A.I./ACRE: FOR 3,350 SQ. FT. = 3.0 lbs. A.I./ACRE

B. Southern warm season turfgrasses—For pre-emergence control, apply 157 to 237 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.

**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 temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated re-seeding will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by annual bluegrass.

18 POUNDS TO TREAT 5,000 SQ. FT. = 2.0 lbs. A.I./ACRE

A. Northern cool season turfgrasses—For pre-emergence control apply 157 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.

18 POUNDS TO TREAT 3,350 SQ. FT. = 3.0 lbs. A.I./ACRE

B. Southern warm season turfgrasses—For pre-emergence control apply 237 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 annual bluegrass. In southern areas of the United States where germination of annual bluegrass continues for extended periods of time a second application at 237 lbs. per acre can be made 10 to 12 weeks after the initial treatment.

**RESEEDING TREATED AREAS**

1. Delay reseeding—6 weeks when applying at the rate of 118 or 157 lbs./acre equal to 1.5 to 2.0 lbs. Active Ingredient/acre.
2. Delay reseeding—12 to 16 weeks when applying at rate of 237 lbs./acre equal to 3.0 lbs. of Active Ingredient per acre.

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 re-calibrating since proper application is based on equipment 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	18# BAG Per Sq. Ft.	NORTHERN LAWNS		SOUTHERN LAWNS	
		Crabgrass, etc.	Poa Annua	Crabgrass, etc.	Poa Annua
Scott #35	6,700 Sq. Ft.	3	4½	—	—
	5,000 Sq. Ft.	4	5½	4	5½
	3,350 Sq. Ft.	—	—	5½	6
Cyclone "B1"	6,700 Sq. Ft.	2	3	—	—
	5,000 Sq. Ft.	3	4	3	4
	3,350 Sq. Ft.	—	—	4	4½

18 LBS. TO TREAT 6,700 SQ. FT. = 118 LBS. PER ACRE = 1.50 LBS. A.I./ACRE  
 18 LBS. TO TREAT 5,000 SQ. FT. = 157 LBS. PER ACRE = 2.00 LBS. A.I./ACRE  
 18 LBS. TO TREAT 3,350 SQ. FT. = 237 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

**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 FOR HOME LAWNS, GOLF COURSES,  
PARKS AND OTHER ORNAMENTAL & RECREATIONAL TURF**  
By

**KNOX FERTILIZER COMPANY, INC.  
KNOX, INDIANA 46534**