

PM-23

Reg # 8378-17

5/21/97

194

Mr. H. R. McLane
KNOX FERTILIZER COMPANY
P.O. Box 248
Knox, IN. 46534

MAY 21 1997

Dear Mr. McLane:

Subject: Label Revision-Updated Label
25-5-10 TURF FOOD WITH CRABGRASS CONTROL
EPA Registration Number 8378-17
Your amendment application submission dated
April 10, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the labeling changes listed before you release the product for shipment bearing the amended labeling:
 - a. Under the "WHEN TO APPLY" section, in the paragraph labeled "3", an incorrect rate was stated. You must change the "163" to '176'.
 - b. Under "POA ANNUA (ANNUAL BLUEGRASS) CONTROL", in the paragraph labeled "B", an incorrect application quantity was stated. You must change the "325" to '263'.
 - c. You have a typographical error in the title "WHEN AN HOW TO TIME THE APPLICATION". You should change the "AN" to 'AND'.

A stamped copy is enclosed for your records.

If you have any questions regarding this letter, please contact Marcel Howard at 703-305-6784.

Sincerely yours,

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

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	MHOWARD							
DATE ▶	May 19, 1997							



25-5-10 TURF FOOD WITH CRABGRASS CONTROL

Preemergence Crabgrass Control Plus Fertilizer

ACTIVE INGREDIENTS:

N-butyl-N-ethyl-alpha, alpha, alpha, trifluoro-2,6-dinitro-p-toluidine - - - - - 0.76%
TRIFLURALIN; Alpha, alpha, alpha, trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine - - - - - 0.38%

INERT INGREDIENTS: - - - - -

Total 100.00%

KEEP OUT OF REACH OF CHILDREN WARNING

NET WEIGHT 40 LBS.
Covers 6,600 TO 10,000 Sq.Ft.

STATEMENTS OF PRACTICAL TREATMENTS

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 immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF ON SKIN** - Wash with plenty of soap and water. Get medical attention if irritation persists. **IF INHALED**: If breathing difficulties occur, move individual to fresh air and get medical attention.

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" water has been applied to lawn and the water has dried (or, if wet conditions persists, until 24 hours have passed.)

EPA REG. NO. 8378-17

EPA EST. NO. 8378-IN-1

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. 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.

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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in original container only. In case of leak or spill, contain material and dispose of wastes. **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. D:8378-17.PM5/01-06-95)

WHERE TO APPLY

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

WEEDS CONTROLLED

This product contains a combination of Benefin and Trifluralin preemergence Herbicides plus a 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 (Green and Yellow), and ANNUAL BLUEGRASS (Poa Annua) while providing a complete lawn fertilization.

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 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 turfs are well established.
- DO NOT apply in spring to Turfgrass planted the previous fall. This product may thin established Annual Bluegrass (Poa Annua) & Fine-Leafed Fescue lawns when used at higher rates than 163 lbs. per acre. (1.5 lb. A.I. per Acre) Do not overdose.

WHEN AND HOW TO TIME THE APPLICATION

Successful preemergence 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 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" ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS

A. Northern Cool Season Grasses - For preemergence control, apply 132 to 176 lbs. per acre, (equal to 1.5 to 2.00 lbs. Act. Ingre./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 turfgrass - For preemergence 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 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 preemergence control of both early germinating annual grasses (Crabgrass, Foxtail, and Barnyardgrass) and the later germinating Goosegrass is desired, two application 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 preemergence 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 preemergence control apply 263 lbs. per acre (equal to 3 lbs. Active Ingredient per acre) of this product per acre in the late 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 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

- Delay reseeding - 6 weeks when applying at the rate of 132 or 176 lbs./acre equal to 1.5 to 2.0 lbs. Active Ingredient / acre. or when using one 40 lb. bag to cover 10,000 to 13,500 sq.ft.
- Delay reseeding - 12 to 16 weeks when applying at rate of 263 lbs./acre equal to 3.0 lbs. of Active Ingredient per acre or when using one 40 lb. bag to cover 6,660 sq.ft. of turfgrass.

When Reseeding increase the amount of seed put down by 25%

The following spreader settings are for use with new equipment. Your spreader may need recalibrating 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 SETTINGS

Spreader	40# bag per sq.ft.	Northern Lawns		Southern Lawns	
		Crabgrass etc	Poa Annua	Crabgrass etc	Poa Annua
SCOTT #35	13,330 "	3	4 1/2	-	-
	10,000 "	4	5 1/2	4	5 1/2
	6,660 "	-	-	5 1/2	6
CYCLONE B1	13,330 "	2	3	-	-
	10,000 "	3	4	3	4
	6,660 "	-	-	4	4 1/2

40 lbs. to treat 13,330 sq.ft. = 132 lbs./acre = 1.50 lbs. A.I./acre
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40 lbs. to treat 6,660 sq.ft. = 263 lbs./acre = 3.00 lbs. A.I./acre

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water for 15 minutes. Call a physician. **IF SWALLOWED** - Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF ON SKIN** - Wash with plenty of soap and water. Get medical attention if irritation persists. **IF INHALED**: If breathing difficulties occur, move individual to fresh air and get medical attention.

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WEEDS CONTROLLED

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B. Southern warm season turfgrasses - For preemergence 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 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 preemergence control apply 176 lbs/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 preemergence 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 for 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. where weeds are sparse and the area is in a yearly lawn maintenance program.

FORMULATED FOR HOME LAWNS, GOLF COURSES, PARKS AND OTHER ORNAMENTAL AND RECREATIONAL TURF BY:

KNOX FERTILIZER COMPANY, INC.

KNOX, INDIANA 46534

Do not contaminate water, food or feed by storage or disposal.

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.

394

STORAGE AND DISPOSAL

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B. Southern warm season turfgrasses - For preemergence 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 where germination continues for extended periods of time a second application at 25 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.

263 lbs

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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%	
Phosphoric Acid (P2O5).....	Variable %	Potential Acidity ____ lbs.
Soluble Potash -	Variable %	Calcium Carbonate per ton.

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. (D:8378-17.PM5101-06-9504-09-97)

TEAM® is registered Trade Mark of DowElanco.

98 APR 15 1997

70001 REC'D

474

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

MAY 21 1997

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

8378-17