

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number
244692
NOTIFICATION

Application for Pesticide - Section I

1. Company/Product Number 8378-20	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) 18-5-9 TURF FOOD WITH XL CRABGRASS CONTROL	PM# 23	OPP ID NO 244692
5. Name and Address of Applicant (Include ZIP Code) KNOX FERTILIZER COMPANY P.O. BOX 248 KNOX, IN 46534 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. > N/A Product Name > N/A	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below. As below	<input type="checkbox"/> Final printed labels in response to Agency letter dated
<input type="checkbox"/> Resubmission in response to Agency letter dated	<input type="checkbox"/> "Me Too" Application. NOTIFICATION
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

- > 1. Remove the Treflan Standard "watering-in statement". No longer required.
- > 2. Adds revised (abbreviated) WPS Exclusionary Statement as requested.
- > 3. Sentence added to instruct when to use the lower/h. rates.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		> <input type="checkbox"/> Metal	> metal
				> <input checked="" type="checkbox"/> Plastic	> plastic
				> <input type="checkbox"/> Glass	> glass
				> <input type="checkbox"/> Paper	> paper
				> <input checked="" type="checkbox"/> Other (Specify)	> other
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 18;20;25;36;40;50#	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		
6. Manner in Which Label is Affixed to Product Adhesive		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name H. R. MCLANE, INC. By H. R. McLane;	Title Authorized Agent Knox Fertilizer Co.	Telephone No. (Include Area Code) 219 772 6275	
2. Signature 			6. Date Application Received (Stamped)
3. Title Authorized Agent			
4. Typed Name Roger Henderson, Mgr. Robert C. Shaw, Pres.	5. Date NOV 19 1996		



BEST AVAILABLE COPY

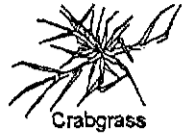
NET WEIGHT 50 LBS. Covers up to 13,500 Sq.ft.

# 18-5-9 TURF FOOD WITH XL CRABGRASS CONTROL

A New Herbicide Blend for Effective-Longlasting Crabgrass Control Contains BENEFIN-plus-TRIFLURALIN For Use in Lawn and Turf Maintenance Programs which call for One or More Fertilizer Plus Pre-Emergent Herbicide Applications for Control of Crabgrass & Other Annual Weeds as Listed.

NOTIFICATION

ACTIVE INGREDIENTS:  
N-butyl-N-ethyl-alpha,alpha-trifluoro-2,6-dinitro-p-toluidine - 0.62%  
TRIFLURALIN; Alpha, alpha, alpha, trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine - 0.30%  
INERT INGREDIENTS: - 99.08%  
Total 100.00%



KEEP OUT OF REACH OF CHILDREN  
WARNING

### 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.

#### 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 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.

EPA REG. NO. 8378-20 EPA EST. NO. 8378-IN-1  
(8378-20, PM5 \ Acctd 04-26-88\ 11-15-96)

### CAN BE USED ON THE FOLLOWING ESTABLISHED TURFGRASSES

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

### WILL CONTROL THE FOLLOWING GRASSY WEEDS

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.

### SEE APPLICATION CHART FOR APPROPRIATE TIME 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

1. DO NOT apply in the spring to Bermuda Grass which has been overseeded with winter grasses (annual rye) since thinning will occur.
2. 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.
3. 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 163 lbs. per acre. (1.5 lb. A.I. per Acre) Do not overdose.

### FOR BEST RESULTS APPLY AT THE PROPER TIME

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 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 verticutting, should be done prior to application of this product. (If chart is used with labeling) Add-Refer to Application Chart for Timing).

Use the lower rates; (i.e. 1.5 or 2 lbs. A.I. / Acre) when normal weed seed germination is expected; use the higher rates (i.e.; 2 or 3 lbs. A.I. / Acre) for expected heavy weed seed germination.

### "SPRING GERMINATING" ANNUAL GRASSES CRABGRASS, FOXTAIL, BARNYARDGRASS

**A. Northern Turf** use 50 lbs. to treat 10,000 to 13,500 sq.ft. For Northern Cool Season Grasses - For preemergence control, apply 163 TO 220 lbs. per acre. (equal to 1.5 to 2.00 lbs. Act. Ingrid./acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. One 50 lb. bag will cover 10,000 to 13,500 sq.ft. Use for 10,000 sq.ft. where turf is completely overrun with weeds. Use for 13,500 sq.ft. when weeds are sparse and the turf is in a yearly lawn maintenance program.

**B. Southern Turf** use 50 lbs. to treat 6,750 to 10,000 sq.ft. For Southern warm season turfgrass - For preemergence control apply 220 to 325 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 50 lb. bag will cover 6,750 to 10,000 sq.ft. Use for 6,750 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 Turf** use 50 lbs. to treat 10,000 sq.ft. For Northern cool season turfgrasses - For preemergence control apply 220 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.

**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.

**B. Southern Turf** use 50 lbs. to treat 6,750 to 10,000 sq.ft. For Southern warm season turfgrasses - For preemergence control, apply 220 to 325 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 for 6,750 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.

### APPLY TWICE FOR FULL SEASON CONTROL

In areas 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 220 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 50 lb. bag will treat 10,000 sq.ft. of turfgrass.

**B. Southern warm season turfgrasses** - For preemergence control apply 325 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 325 lbs. per acre can be made 10 to 12 weeks after the initial treatment. One 50 lb. bag will treat and feed 6,750 sq.ft. of turfgrass.

### TO RESEED TREATED AREAS

1. Delay reseeding - 6 weeks when applying at the rate of 163 to 220 lbs./acre equal to 1.5 to 2.0 lbs. Active Ingredient / acre, or when using one 50 lb. bag to cover 10,000 to 13,500 sq.ft....
2. Delay reseeding - 12 to 16 weeks when applying at rate of 325 lbs./acre equal to 3.0 lbs. of Active ingredient per acre or when using one 50 lb. bag to cover 6,750 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	50# bag per sq.ft.	Northern Lawns		Southern Lawns	
		Crabgrass etc	Poa Annua	Crabgrass etc	Poa Annua
SCOTT #35	13,500	3	4 1/2	4	5 1/2
	10,000	4	5 1/2	5 1/2	6
	6,750	-	-	-	-
CYCLONE "B1"	13,500	2	3	3	4
	10,000	3	4	4	4 1/2
	6,750	-	-	-	-

50 lbs. to treat 13,500 sq.ft. = 163 lbs./acre = 1.50 lbs. A.I./acre  
50 lbs. to treat 10,000 sq.ft. = 220 lbs./acre = 2.00 lbs. A.I./acre  
50 lbs. to treat 6,750 sq.ft. = 325 lbs./acre = 3.00 lbs. A.I./acre

### GUARANTEED FERTILIZER ANALYSIS

Nitrogen - - - - - 18%	Primary Plant Food derived from Urea, Sulfur Coated Urea, Munate of Potash, Ammoniated Phosphate.
Ammoniacal (N)..... 1.8%	
Urea (N)..... 11.2%	
Sulfur Coated Urea (N)..... 5.0%	
Phosphoric Acid (P2O5) - - - 5%	Potential Acidity 810 lbs. Calcium Carbonate per ton.
Soluble Potash - - - - - 9%	

\*FOR BEST RESULTS APPLY AT THE APPROPRIATE TIME

APPROPRIATE TIMES TO APPLY THIS PREEMERGENT HERBICIDE

JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

NORTHERN TURF 1.////// 2.////// 3.//////

SOUTHERN TURF 4.////// 5.////// \*\*6.//////

1. For Crabgrass, Foxtail, Barnyardgrass in Northern Turf.
2. For Goosegrass - Northern Turf
3. For Poa Annua in Northern Turf.
4. For Crabgrass, Foxtail and Barnyardgrass in Southern Turf.
5. For Goosegrass - Southern Turf.
6. For Poa Annua in Southern Turf

\*\*Two applications may be needed during this period to give adequate control. \*Apply 1 to 2 weeks before weed seed germinate in your locale.

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

# KNOX FERTILIZER COMPANY, INC.

KNOX, INDIANA 46534