

COMFILE B:83TEAM-3.LAB  
EPA FILE SYM: 8378-

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50 lb. Bag Covers  
10,000 Sq.Ft.

A Professional  
Lawn Care Product



SHAW'S

18-5-9 TURF FOOD

WITH

XL CRABGRASS CONTROL

ACCEPTED  
NOV 12 1985  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 8378-20

A New Herbicide Blend for Effective-Longlasting Crabgrass Control  
Contains  
BENEFIN - PLUS - TRIFLURALIN

For Professional 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

\*\*\*\*\* GIVES MORE "CONTROL PARTICLES" PER SQUARE FOOT \*\*\*\*\*

FOR USE ON ESTABLISHED: BLUEGRASS - RYEGRASS (PERENNIAL) - FESCUE -  
BAHIAGRASS - BERMUDAGRASS - CENTIPEDEGRASS - AT. AUGUSTINEGRASS - ZOYSIA

THE RIGHT PRODUCT FOR ALL LAWN SERVICE PROGRAMS

Home Lawns, Golf Courses, Industrial Parks, Apartment and Condominium  
Complexes - All Ornamental & Recreational Turfgrass Areas

ACTIVE INGREDIENTS:

N-butyl-N-ethyl-alpha, 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 a steady, gentle stream of water for 15 minutes. Call a physician.
- IF SWALLOWED: Call a physician or Poison Control Center. 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 irritation persists.
- IF INHALED: If breathing difficulty occur, move individual to fresh air and get medical attention.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 8378- (EN) EPA EST. NO. 8378-IN-1

NET WEIGHT 50 POUNDS (25 LB. BAG)

KNOX FERTILIZER AND CHEMICAL COMPANY

**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 and contact with skin or clothing. The granular formulation may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

**DIRECTIONS FOR USE**

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

**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.

**CAN BE USED ON THE FOLLOWING ESTABLISHED TURFGRASSES**

When applied according to 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 nearby ornamental trees and shrubs when used as directed.

**WILL CONTROL THE FOLLOWING GRASSY WEEDS**

This product contains a combination of Benefin and Trifluralin pre-emergence Herbicides plus a 18-5-9 Complete 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.

**RATE OF NITROGEN FERTILIZER APPLICATION**

- 50 POUNDS PER 13,500 SQ.FT. = 0.66 LBS. (N) NITROGEN/1,000 SQ.FT.
- 50 POUNDS PER 10,000 SQ.FT. = 0.90 LBS. (N) NITROGEN/1,000 SQ.FT.
- 50 POUNDS PER 6,750 SQ.FT. = 1.33 LBS. (N) NITROGEN/1,000 SQ.FT.

**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 of Putting Greens until these turfgrasses 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-Leafed Fescue lawns when used at higher rates than 163 lbs. per acre. (1.5 lb. A.I. per acre) Do not overfertilize.

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

**"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 pre-emergence 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 pre-emergence 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) WEED.** 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 pre-emergence 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.

B. Southern Turf use 50 lbs. to treat 6,750 to 10,000 Sq.Ft.

For Southern warm season turfgrasses - For pre-emergence 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 pre-emergence 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 pre-emergence 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 pre-emergence 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 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 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	-	-
	10,000 "	4	5 1/2	4	5 1/2
	6,750 "	-	-	5 1/2	6
CYLCONE "B1"	13,500 SQFT	2	3	-	-
	10,000 "	3	4	3	4
	6,750 "	-	-	4	4 1/2

50 LBS. TO TREAT 13,500 SQ.FT. = 163 LBS. PER ACRE = 1.50 LBS. A.I./ACRE  
 50 LBS. TO TREAT 10,000 SQ.FT. = 220 LBS. PER ACRE = 2.00 LBS. A.I./ACRE  
 50 LBS. TO TREAT 6,750 SQ.FT. = 325 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

**GUARANTEED FERTILIZER ANALYSIS**

Nitrogen . . . . .	18%	Primary Plant Food derived from Urea, Sulfur Coated Urea, Muriate of Potash, Ammoniated Phosphate.
Ammoniacal (N) . . . . .	1.3%	
Urea (N) . . . . .	11.2%	
Sulfur Coated Urea.(N) . . . . .	5.0%	
Phosphoric Acid (P2O5) . . . . .	5%	Potential Acidity 810 lbs.
Soluble Potash . . . . .	9%	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.

COMFILE B:83TEAM-3.LA5 #3  
EPA FILE SYMBOL: 8378-



PRODUCT NAME: SHAW'S 18-5-9 TURF FOOD w/ XL CRABGRASS CONTROL

\*FOR BEST RESULTS APPLY AT THE APPROPRIATE TIME

----- APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE-----											
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
NORTHERN TURF											
		1.////////		2.////////							
								3.////////			
SOUTHERN TURF											
				4.////////		5.////////					
											6.////////
											**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.

\*Apply 1 to 2 weeks before weed seed germination at your locale.  
 \*\*Two application may be needed during this period to give maximum control.