

8378-18

09/27/2007

118



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

8378-18

SEP 27 2007

Term of Issuance:

Name of Pesticide Product:

Shaw's Premium Turf
Food with Crabgrass
Control

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Knox Fertilizer Company, Inc.
P.O. Box 248
Knox, IN 46534

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.


This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you agree in writing to:

1. The First Aid section should be placed in the following order "If In Eyes, If On Skin Or Clothing...".
2. The label should include a phone number for the emergency medical treatment information.
3. Change the PPE to "Applicators and handlers must wear: Long sleeved shirt and long pants, Chemical-resistant gloves made of any waterproof material, Shoes plus socks, and Goggles, faceshield or safety glasses."
4. The User Safety Requirements text currently appearing under the PPE section, "Follow manufacturer's instructions for cleaning/maintaining PPE... wash PPE separately from other laundry" must be retained on the label.
5. The underlined text must be added to the following: "Users should

remove clothing/PPE immediately if pesticide gets inside.”.

- 6. To the Storage and Disposal section change “Storage” to “Pesticide Storage”.
- 7. To the label add a Non-Agricultural Use Requirements box and the appropriate accompanying language and “Do not enter or allow other people (or pets) to enter the treated area until dusts have settled. If watering in is required after the application – except for those people involved in the watering-in – do not enter or allow other people (or pets) to enter the treated areas until the watering-in is complete and the surface is dry.”.
- 8. To the Terms and Conditions of Use change “Seller makes no” to “To the extent consistent with applicable law, seller makes no”, “the exclusive remedy” to “to the extent consistent with applicable law, the exclusive remedy”, and “In no case” to “to the extent consistent with applicable law, in no case”.

Signature of Approving Official:



Kathryn V. Montague, Acting Product Manager (23)
Herbicide Branch, Registration Division (7505P)

Date:

SEP 27 2007

EPA Form 8570-6

You will submit one copy of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). A stamped copy of labeling is enclosed for your records.

Shaw's® Premium Turf Food with Crabgrass Control

For control of Crabgrass and Most Other Annual Weed Grasses on Home Lawns, Golf Courses, Parks and Other Ornamental & Recreational Turf. **FOR USE ON ESTABLISHED:** Bluegrass-perennial - Ryegrass-perennial - Fescue varieties - Bahiagrass - Bermudagrass - Centipedegrass - St. Augustinegrass - Zoysiagrass

ACTIVE INGREDIENTS:

Benfluralin; N-butyl-N-ethyl-alpha,alpha,alpha,trifluoro-2,6-dinitro-p-toluidine 0.84%
Trifluralin; Alpha,alpha,alpha,trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine 0.43%

OTHER INGREDIENTS: 98.73%

TOTAL 100.00%

EPA Reg. No. 8378-18

EPA EST. No. 8378-IN-1

Shaw's® is a registered trademark of Knox Fertilizer Company, Inc.

NET WEIGHT 18 LBS. covers 3,300 to 6,600 sq. ft.

GUARANTEED FERTILIZER ANALYSIS

Nitrogen-----XX%

Ammonical (N)-----XX%

Urea (N)-----XX%

Sulfur Coated Urea (N)--XX%

Phosphoric Acid (P2O5)-----XX%

Soluble Potash (K2O)-----XX%

Primary Plant Food derived from Urea, Sulfur Coated Urea, Muriate of Potash, Ammoniated Phosphate.

Potential Acidity XX lbs. Calcium Carbonate per ton.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 27 2007**

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

8378-18

KEEP OUT OF REACH OF CHILDREN WARNING

FIRST AID

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center, or doctor, or when going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged, or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine and estuarine fish and aquatic invertebrates, including shrimp, and oysters. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes, or estuaries to aerial drift. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact person or pet either directly, or through drift. Keep people and pets out of the area during application. Only protected handlers may be in the area during application. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Entry Restrictions

Do not enter or allow people or pets to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow people or pets to enter the treated area (except those involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow people or pets to enter the treated area until the watering-in is complete and the surface is dry.

WHEN TO APPLY FOR CRABGRASS CONTROL

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, Bahiagrass, Centipedegrass, Fescue varieties, St. Augustinegrass and Zoysiagrass growing in home lawns, golf courses, parks and all other commercial, recreational and ornamental turfgrass areas. Will not harm most common ornamental trees and shrubs when used as directed.

OTHER WEEDS CONTROLLED

This product contains a combination of Benfluralin and Trifluralin pre-emergence 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.

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.

WHEN AND HOW TO TIME THE APPLICATION

Successful pre-emergence control of the annual grassy weeds as listed requires proper application timing. 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 $\frac{1}{4}$ to $\frac{1}{2}$ inch water (or equivalent rain occurs) soon after application. Any cultural practices that disturb the soil such as verticutting, should be done prior to application of this product.

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 use on Dichondra, nor to newly sprigged areas of Bermuda grass, 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*) and Fine-Leafed Fescue lawns when used at higher rates than 157 lbs. per acre (2.0 lb. A.I. per Acre). Do not overdose.
4. DO NOT apply more than 314 lbs. per acre per year for use on cool season turfgrasses or 472 lbs. per acre per year for use on warm season turfgrasses.
5. DO NOT make more than 2 applications per year.

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

- A. Northern Cool Season Grasses - For preemergence control, apply 118 to 157 lbs. per acre, (equal to 1.5 to 2 lbs. active ingredient/acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. One 18 lb. bag will cover 5,000 to 6,600 sq. ft. Use for 5,000 sq. ft. when turf is completely overrun with weeds. Use for 6,600 sq. ft. when weeds are sparse and the turf is in a yearly lawn maintenance program.
- B. Southern Warm Season Turf grass - For preemergence control apply 157 to 236 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 18 lb. bag will cover 3,300 to 5,000 sq. ft. Use for 3,300 sq. ft. where turf is completely overrun by weeds. Use for 5,000 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 Turf grasses - For preemergence control apply 157 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 18 lbs. to cover 5,000 sq. ft.
- B. Southern Warm Season Turf grasses - For preemergence control, apply 157 to 236 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 18 lb. bag to cover for 3,300 to 5,000 sq. ft. Use for 3,300 sq. ft. where turf is completely overrun by weeds. Use for 5,000 sq. ft. where weeds are sparse and the area 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

applications of this product at the recommended rate, spaced 8 to 10 weeks, 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 Turf Grasses - For preemergence control apply 157 lbs. per acre (equal to 2 lbs. active ingredient per acre) of this product 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 18 lb. bag will treat 5,000 sq. ft. of turf grass.
- B. Southern Warm Season Turf grasses - For preemergence control apply 236 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. One 18 lb. bag will treat and feed 3,300 sq. ft. of turfgrass. In southern areas where germination continues for extended periods of time a second application at 236 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, or when using one 18 lb. bag to cover 5,000 to 6,600 sq. ft.
2. Delay reseeding - 12 to 16 weeks when applying at rate of 236 lbs./acre equal to 3 lbs. of a.i. per acre or when using one 18 lb. bag to cover 3,300 sq. ft. of turfgrass. When reseeding increase the amount of seed put down by 10-15%.

SPREADER SETTINGS

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	18# bag per sq. ft.	Northern Lawns		Southern Lawns	
		Crabgrass etc.	Poa Annua	Crabgrass etc.	Poa Annua
Scott #35	3,300		XX		XX
	5,000		XX		XX
	6,600		XX		XX
Cyclone B1	3,300		XX		XX
	5,000		XX		XX
	6,600		XX		XX

18 lbs. to treat 3,300 sq. ft. = 236 lbs./acre = 3.00 lbs. A.I./acre

18 lbs. to treat 5,000 sq. ft. = 157 lbs./acre = 2.00 lbs. A.I./acre

18 lbs. to treat 6,600 sq. ft. = 118 lbs./acre = 1.50 lbs. A.I./acre

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store in original, closed container only. **PRODUCT DISPOSAL:** **IF EMPTY:** Do not reuse this bag. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

WARRANTY DISCLAIMER

Seller warrants that this product conforms to the chemical description on the labels and is reasonably fit for the purposes stated on the labels when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, manner of application or other factors, all of which are beyond the control of the Seller. All such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount or product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller promptly notifies of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of this Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Seller or the Seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

KNOX FERTILIZER COMPANY, INC.

P.O. BOX 248

KNOX, IN 46534

NET WEIGHT 18 LBS. (8.18 kg.)