



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Robert F. Bischoff  
Agent for Knox Fertilizer Company, Inc  
C/O Total Turf Consulting LLC  
26 A. A Cooper Rd  
Meigs, GA 31765

DEC 16 2008

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated October 14, 2008 for:

**EPA Registration 8378-17 Shaw's 25-5-10 Turf Food with Crabgrass Control**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 8378-17	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Shaw's 25-5-10 Turf Food with Crabgrass Control	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Knox Fertilizer Company, Inc. 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. <u>N/A</u> Product Name <u>N/A</u> <b>NOTIFICATION</b> <b>DEC 16 2008</b>	

**Section - II**

<input type="checkbox"/> Amendment - Explain 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.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

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

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. sec.1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:

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	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt.      No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container  
50 lbs

5. Location of Label Directions  
 On Label

6. Manner in Which Label is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Robert F. Bischoff	Title Agent, TotalTurf Consulting LLC	Telephone No. (Include Area Code) (317) 873-0222
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**Certification**  
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Robert F. Bischoff</i>	3. Title Agent, TotalTurf Consulting LLC	6. Date Application Received (Stamped)
4. Typed Name Robert F. Bischoff	5. Date October 14, 2008	



# Shaw's® XX-XX-XX Turf Food with Crabgrass Control

## Preemergence Crabgrass Control plus Fertilizer

### ACTIVE INGREDIENTS:

Benfluralin; 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%
OTHER INGREDIENTS: . . . . .	<u>98.86%</u>
<b>TOTAL</b>	<b>100.00%</b>

EPA Reg. No. 8378-17

EPA EST. No. 8378-IN-1

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

NET WEIGHT 40 LBS. covers 6,600 to 13,300 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%

### NOTIFICATION

DEC 16 2008

Primary Plant Food derived from Urea, Sulfur Coated Urea, Muriate of Potash, Ammoniated Phosphate.  
Potential Acidity XX lbs. Calcium Carbonate per ton.

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

### FIRST AID

**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 OR CLOTHING:** 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 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 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.

Have the product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## 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, chemical resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. Remove and wash contaminated clothing before reuse. 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/PPE 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 any 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 persons 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 watering-in is complete and the surface is dry.

#### WHERE 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 Zoysia Grass 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

This product must be watered in as soon as possible after application. 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 176 lbs. per acre (2.0 lb. A.I. per Acre). Do not overdose.
4. DO NOT apply more than 352 lbs. per acre per year for use on cool season turfgrasses or 526 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 Turfgrasses - For preemergence control, apply 132 to 176 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 40 lb. bag will cover 10,000 to 13,300 sq. ft. Use for 10,000 sq. ft. when turf is completely overrun with weeds. Use for 13,300 sq. ft. when weeds are sparse and the turf is in a yearly lawn maintenance program.

- 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.

### **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, 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 turf grass.
- 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. One 40 lb. bag will treat and feed 6,660 sq. ft. of turfgrass. 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.

### **RESEEDING TREATED AREAS**

1. 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 13,300 sq. ft.
2. Delay reseeding - 12 to 16 weeks when applying at rate of 263 lbs./acre equal to 3 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 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	40# bag per sq. ft.	Northern Lawns Crabgrass etc. Poa Annua	Southern Lawns Crabgrass etc. Poa Annua
Scott #35	13,330	XX	XX
	10,000	XX	XX
	6,660	XX	XX
Cyclone B1	13,330	XX	XX
	10,000	XX	XX
	6,660	XX	XX

40 lbs. to treat 13,330 sq. ft. = 132 lbs./acre = 1.50 lbs. A.I./acre  
 40 lbs. to treat 10,000 sq. ft. = 176 lbs./acre = 2.00 lbs. A.I./acre  
 40 lbs. to treat 6,660 sq. ft. = 263 lbs./acre = 3.00 lbs. A.I./acre

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE:** Store in original, closed container only. **PESTICIDE DISPOSAL:** ~~Nonrefillable container. Do not reuse or refill this container. offer for recycling if available.~~ **IF EMPTY:** Do not reuse this bag. Place in trash or offer for recycling if available. **IF PARTLY FILLED:** Call your local 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. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

**LIMITATION OF REMEDIES**

To the extent consistent with applicable law, 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. To the extent consistent with applicable law, 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 40 LBS. (18.18 kg.)**

**Batch No:**