



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 8378-35      Balan 2.5G**

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 read "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 8378-35	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Balán 2.5G	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 to the product for which registration 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:						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	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input checked="" type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 40 lbs		5. Location of Label Directions <input checked="" type="checkbox"/> On Label			
6. Manner in Which Label is Affixed to Product <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 Robert F. Bischoff	Title Agent, TotalTurf Consulting LLC	Telephone No. (Include Area Code) (317) 873-0222
<b>Certification</b> 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.		6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title Agent, TotalTurf Consulting LLC	
4. Typed Name Robert F. Bischoff	5. Date October 14, 2008	



**NOTIFICATION**

**DEC 16 2008**

# SHAW'S® Balan® 2.5 G

A selective pre-emergence herbicide for the control of crabgrass and most other annual weed grasses on established Home Lawns, Golf Courses, Ornamental and Recreational Bluegrass-Ryegrass-Fescue-Bahiagrass-Bermudagrass-Centipede Grass-St. Augustine Grass-Zoysia Grass

To control Crabgrass, Foxtail, Goosegrass, Watergrass and Annual Bluegrass (Poa Annua)

**FOR NORTHERN AND SOUTHERN LAWNS; 20 POUNDS COVERS UP TO 15,000 SQ. FT.**

**ACTIVE INGREDIENT:**

N-BUTYL-N-ETHYL-alpha, alpha, alpha-TRIFLUORO-2,6-DINITRO-p-TOUUIDINE .....	2.5%
INERT INGREDIENTS .....	97.5%
Total 100.0%	

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

EPA Reg. No. 8378-35

EPA Est. No. 8378-IN-1

BALAN® is a Reg. Trademark of Dow AgroSciences LLC  
Shaw's is a registered trademark of Knox Fertilizer Company, Inc.

### FIRST AID

**If swallowed:** Call 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 do so by the 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 15-20 minutes. Remove contact lenses, if present, after the first 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 an 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 1-800-858-7378 for emergency medical treatment advice.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly after handling and before eating or smoking. Do not contaminate feed or foodstuffs.

### Personal Protective Equipment (PPE)

Wear long sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, and socks plus shoes. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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 the 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

For Occupational Uses:

This pesticide is toxic to fish and aquatic invertebrates. 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 contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

For Homeowner Use:

Do not apply directly to water. 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. **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, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store this product in its original container in a dry, cool, secured area.

**PESTICIDE DISPOSAL:** ~~Non-refillable container. Do not reuse or refill this container; offer for recycling if available.~~ As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

**IF EMPTY:** Do not reuse empty bag. Place bag in trash or offer for recycling if available.

**IF PARTLY FILLED:** Call your local waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**SPILL:** In case of spill, sweep up and dispose of material according to PRODUCT DISPOSAL directions listed above.

### Storage and Disposal for Occupational Products

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

**Pesticide Storage:** Store this product in its original container in a dry, cool, secured area.

**Pesticide Disposal:** ~~Non-refillable container. Do not reuse or refill this container; offer for recycling if available.~~ 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. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

## GENERAL PRECAUTIONS AND RESTRICTIONS

This product must be watered in as soon as possible after application. Apply this product to the turf prior to germination of weed grasses since it will not control established weeds. It may also thin established Annual Bluegrass (*Poa annua*) and fine leaf fescues at rates above 60 pound per acre (1.5 lbs. A.I.). Do not apply in the spring to turf grass planted the previous fall. In Bermudagrass areas that have been overseeded with winter

grasses, spring application may thin the overseeded grasses. Because of varying cultural practices, do not apply to putting greens. Do not apply to Dichondra. Do not apply to newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass until they are well established. 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. Do not allow people or pets to enter the treated area until dusts have settled. If watering 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. Do not apply more than 60 lb of product per acre per application for use on cool season turfgrasses or 120 lb of product per acre per application for use on warm season turfgrasses. Make no more than 2 applications per year for a total of no more than 120 lb of product per acre per year on cool season turfgrasses and 240 lb of product per acre per year on warm season turfgrasses.

## WEEDS CONTROLLED

This product is a pre-emergence herbicide which is applied to established turfgrasses for the control of undesirable Annual Bluegrass (*Poa Annua*), Smooth and Hairy Crabgrass, Goosegrass (Silver crabgrass and Crowfoot), Barnyardgrass (Watergrass) and Green and Yellow Foxtail. It controls these annual weeds by killing their seeds as they germinate.

## WHEN AND HOW TO APPLY

Successful preemergence control of annual grass weeds listed on this label depends on proper timing of the application. Apply this product one to two weeks prior to the germination of annual grass weed seeds. All summer annual grasses do not germinate at the same time. For this reason if the application does not coincide with the normal germination, weed control may be erratic. Control results will be enhanced by irrigation (or rainfall) which must be applied as soon as possible after application. Any cultural practices which disturb the soil surface, such as aeration or verticutting, should be performed prior to application.

### 1. SPRING GERMINATING SUMMER ANNUAL GRASSES, CRABGRASS, FOXTAILS AND BARNYARDGRASS

#### A. Northern (Cool Season) Turfgrasses

Apply 60 pounds per acre in the spring one to two weeks prior to the onset of conditions favorable for annual weed grass germination.

#### B. Southern (Warm Season) Turfgrasses

Apply 80 to 120 pounds per acre in the late winter or early spring one to two weeks prior to weed seed germination.

In areas of the U. S. where germination of the annual weed grasses continues for extended periods of time, a second application at the recommended rate may be made 8 to 10 weeks after the first application.

### 2. LATE SPRING, EARLY SUMMER GERMINATING ANNUAL GRASSES - GOOSEGRASS

Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual grasses, therefore applications should be timed accordingly as follows:

#### A. Northern (Cool Season) Turfgrasses

Apply 60 pounds per acre in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

#### B. Southern (Warm Season) Turfgrasses

Apply 80 to 120 pounds per acre in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

NOTE: BALAN will not harm most nearby established ornamental trees and shrubs. When this product is applied as directed, the following established turfgrasses are tolerant: BAHIAGRASS, BERMUDAGRASS,

CENTPEDEGRASS, FESCUE VARIETIES, PERENNIAL KENTUCKY BLUEGRASS VARIETIES, PERENNIAL RYEGRASS VARIETIES, ST. AUGUSTINE GRASS VARIETIES AND ZOYSIAGRASS.

### 3. NORTHERN AND SOUTHERN TURFGRASSES

In areas of the U. S. where pre-emergence control of both early germinating annual grasses and the later germinating grasses is desired, two applications at the recommended rate spaced 8 to 10 weeks apart may be made to provide season long control of these annual grass species.

### 4. CONTROL OF *POA ANNUA* (Annual Bluegrass)

In areas of heavy infestation of "Poa" its elimination will temporarily result in thin turfgrass areas. Proper fertilization, irrigation, and soil incorporated reseeding will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by the "Poa".

#### A. Northern (Cool Season) Turfgrasses

Apply 60 pounds per acre in late summer or early fall and again in late winter or spring 1 to 2 weeks prior to germination of "Poa".

#### B. Southern (Warm Season) Turfgrasses

Apply 120 pounds per acre in the late summer or early fall one to two weeks prior to the expected germination of annual bluegrass. In southern areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application at 120 pounds per acre can be made 10 to 12 weeks after the first application.

#### AMOUNTS FOR SMALLER AREAS

60 Pounds/Acre Rate =	1.5 Pounds per 1,100 Sq. Ft.
80 Pounds/Acre Rate =	2 Pounds per 1,100 Sq. Ft.
120 Pounds/Acre Rate =	3 Pounds per 1,100 Sq. Ft.

#### RESEEDING TREATED AREAS

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying this product. Employ proper cultural practices to encourage the germination of desirable grass seeds and seedlings; also increase the amount of grass seed per 1,000 sq. ft. When using this product at the highest rate, reseeding should be delayed 12 to 16 weeks.

#### HOW TO APPLY

A splashboard under drop type spreaders may give more even distribution. To minimize skipped areas utilize some type of marker on your spreader to make sure that each "pass" is next to the last applied swatch. Observe the yellow granules to "fit" each swatch together. When using tractor mounted application equipment apply in early morning when wind is calm and wheel marks are easy to follow. See diagram's below.

#### SPREADER SETTINGS SETTING FOR APPLICATION PER ACRE

SPREADER MAKE	60 LBS.	80 LBS.	120 LBS.
CYCLONE	XX	XX	XX
SCOTT ROTARY	XX	XX	XX
DROP SPREADERS GANDY 10A SERIES (6,8,10,11,12,20,30)	XX	XX	XX

Since no two spreaders are alike these settings are provided as starting points in calibrating your spreader. It is important that you do so for the performance of this product is based on the exact recommended amount per acre of turf. If less is applied poor control will result. Do not over apply.

### APPLICATION EQUIPMENT

Apply this product evenly over the area without skips or misses. For small areas a more uniform application may be made by spreading half the amount over the areas and then applying the remaining half at right angles. Make sure your spreader is properly calibrated; check frequently to make sure equipment is distributing the granules precisely. Treat small areas with hand spreader; while tractor mounted equipment is best suited for large areas; apply in the early morning when wheel marks will guide your applications. Yellow granules serve as a marker to avoid overlapping. Ask your dealer for various types of marking equipment.

### 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

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.

To the extent consistent with applicable law, 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.

Distributed By:  
Knox Fertilizer Company, Inc.  
PO Box 248  
Knox, Indiana 46534  
Net Weight 40 lbs. (18.18 kg.)

Batch No.

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