



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 22 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 8378-62 Shaw's Turf Food Crabgrass Control Ronstar 150**

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

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	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 8378-62	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 Turf Food Crabgrass Control Ronstar 150	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>	

**NOTIFICATION**  
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**Section - II**

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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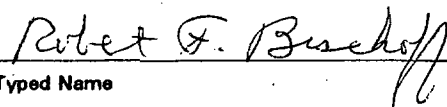
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

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**

<b>1. Material This Product Will Be Packaged In:</b>			
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 checked="" 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 <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lbs	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> Other _____	

**Section - IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
Name Robert F. Bischoff	Title Agent, TotalTurf Consulting LLC	Telephone No. (Include Area Code) (317) 873-0222
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 (Stamped)
2. Signature 	3. Title Agent, TotalTurf Consulting LLC	
4. Typed Name Robert F. Bischoff	5. Date October 14, 2008	

TotalTurf Consulting LLC  
26 A. A. Cooper Rd.  
Meigs, GA 31765

Direct: 843-384-2807  
Fax: 229-683-3426

E-Mail: rbcooper@juno.com

October 14, 2008

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

Attn: Joanne I. Miller

Subject: Shaw's® Turf Food Crabgrass Control Ronstar® 150  
EPA Reg. No. 8378-62  
Notification to Comply with PR Notice 2007-4

Dear Ms. Miller:

In response to PR Notice 2007-4 concerning container reuse and related container label statements for pesticide products, labeling for the subject product has been revised to comply with this Notice. The revised label is being submitted by notification on behalf of Knox Fertilizer Company, P. O. Box 248, Knox, IN 46534 by TotalTurf Consulting LLC, an authorized agent for Knox Fertilizer Company.

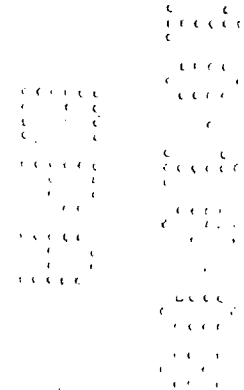
The following documents are included in the subject submission:

- Cover Letter
- Application for Pesticide (EPA Form No. 8570-1)
- One Copy of Highlighted Final Printed Label (Coded as 20081014.Final Label)

If there are any questions or additional information is needed concerning this submission, do not hesitate to contact me at (317) 873-0222 or Raymond B. Cooper at (843) 384-2807.

Sincerely,

Robert F. Bischoff  
Agent  
TotalTurf Consulting LLC  
26 A. A. Cooper Road  
Meigs, GA 31765



# Shaw's Turf Food Crabgrass Control Ronstar® 150

FOR SALE TO AND USE BY PROFESSIONAL APPLICATORS ONLY. NOT FOR SALE TO OR USE BY HOMEOWNERS/CONSUMERS. FOR USE ON GOLF COURSES, NURSERIES, PARKS, SOD FARMS, ATHLETIC FIELDS, AND OTHER RECREATIONAL AND ORNAMENTAL TURFGRASS.

A Pre-emergent Weed Control Product plus a Quality Fertilizer for use on varieties of Perennial Bluegrass, Bentgrass, Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue and Zoysiagrass. Also For Use around Ornamental Shrubs, Vines, Trees & Ground Covers.

ACTIVE INGREDIENT:  
Oxadiazon\* ..... 150%  
OTHER INGREDIENTS: ..... 98.50%  
Total 100.00%

\*CAS [19666-30-9] Contains Ronstar® Herbicide, a registered trademark of Bayer Environmental Science.

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

EPA REG. NO. 8378-62 EPA EST. NO. 8378-IN-1

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

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

Have this product container or label with you when calling a poison control center or doctor, or when going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: [www.npic.orst.edu](http://www.npic.orst.edu)). During other times, call the poison control center at 1-800-222-1222.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS and DOMESTIC ANIMALS

**CAUTION:** Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, and Shoes plus socks. Follow manufacturer's instructions for cleaning and 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

User 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.

### NOTIFICATION

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### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters 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 workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Do not store or use in or around the home or home garden. Apply only as specified on this label.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on sod farms, and nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

Controls Crabgrass, Goosegrass, Poa Annua, Annual sedge and other weeds as listed, on Golf Courses, Commercial Lawns, and other Athletic, Recreational, Ornamental Turf.

#### WHERE, HOW MUCH AND WHEN TO USE ON TURFGRASS

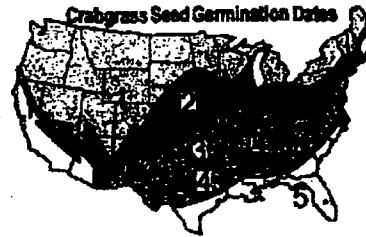
This product may be used at full rate or as a **\*\*split** application in established perennial Bluegrass, Bentgrass (see restrictions), Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysiagrass turf, at apartment/condominium complexes, corporate and public parks, golf courses, sod farms, athletic fields, playgrounds, cemeteries and other ornamental and recreational turfgrass area. **Not for use on home lawns.** The turf should be free of leaves and thatch and in condition to allow granules to reach the soil surface. Know the square footage of the area to be treated and uniformly apply using a granule spreader. Do not apply to turf when it is wet. When using at full rate do not overlap spreader applications, especially St. Augustinegrass since discoloration "streaking" may temporarily occur from the "doubled rate". See section on this label entitled; **PRECAUTIONS IN USING ON TURFGRASS** for the maximum rate for St. Augustinegrass and Bentgrass of 3 lbs. AI per acre which is equiv. to 4.6 lbs. of this product per 1,000 sq. ft. After applications if rain in not expected within 24 hours sprinkle irrigate the treated turf with up to a 1/2 inch of water to get maximum weed control and quicker response from the fertilizer nutrients. This product is a pre-emergence herbicide and must be applied prior to weed seed germination. It will not control growing weeds. **\*\*See section on this label entitled: FOR SPRING APPLICATION ON GOLF COURSES** for instructions to apply the 3 lb. or 4 lb. AI per acre rate as a Split Application.

Pre-emergence Weed Control			
Weeds Controlled	Lbs. A.I./Acre Lbs. product/acre	Lbs. of Product Per 1,000 sq. ft.	Directions - Refer to Map of U.S.
Crabgrass (Digitaria, spp)			Apply in late winter or early spring prior to weed seed germination. See map. In areas 4 & 5 applications made after April or May, may not be fully effective.
Goosegrass (Eleusine indica)	2 to 4 lbs. A.I./A	3.1 to 6.2 lbs.	
Field Sandbur (Cenchrus incertus)	133 to 266 lbs. product/acre		
Annual Sedge (Cyperus compressus)			

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Annual Bluegrass ( <i>Poa annua</i> spp.) (See Note Below)	2 to 4 lbs. A.I./A 133 to 266 lbs./A	3.1 to 6.2 lbs.	Apply in late summer to early fall prior to weed seed germination.
Virginia Buttonweed ( <i>Diodia virginiana</i> ) Pigweed ( <i>Amarathus</i> spp.) Florida Pusley ( <i>Richardia scabra</i> ) Oxalis ( <i>Oxalis</i> spp.) Stinging Nettle ( <i>Urtica dioica</i> ) Carpetgrass ( <i>Axonopus officinis</i> )	4 lbs. A.I./A 266 lbs. product/acre	6.2 lbs.	Apply in early spring prior to weed seed germination.
<b>Fall Application for Spring Weed Control in Cool Season Turf</b>			
Crabgrass, Goosegrass and other annual weeds as listed.	3 to 4 lbs. A.I./A 200 to 266 lbs. product/acre	4.6 to 6.2 lbs./1,000 sq. ft.	For use in Bluegrass, Bentgrass, perennial Ryegrass and Tall Fescue. Make application in the fall after turf has become dormant. For late fall applications, seeding into treated areas should be delayed until 4 months after greenup.
<b>Annual Bluegrass Control in Bermudagrass Fairways Overseeded with Perennial Ryegrass only.</b>			
Annual Bluegrass ( <i>Poa annua</i> spp.)	2 lbs. A.I./A 133 lbs./acre	3.1 lbs./1,000 sq. ft.	Apply in late summer to early fall prior to <i>Poa annua</i> spp., seed germination. Any <i>Poa annua</i> spp. established when this product is applied will not be controlled. It should not be applied closer than 60 days to overseeding. Do not use where <i>Poa trivialis</i> is present in the overseed mixture. Apply the full 2 lb. A.I. rate in one application.
<p><b>NOTE:</b> In many areas annual bluegrass exists as at least biotypes or subspecies of <i>Poa annua</i>. The true annual biotype, "<i>Poa Annua</i> spp. annua" which germinates from seed every year is <u>controlled</u>, while the biotype, "<i>Poa Annua</i> spp. raptans" which behaves like a <u>perennial</u> and survives through the summer, as an established plant, <u>cannot be controlled</u>. Consult the extension service or University weed specialist in your area for more information concerning your locale.</p>			
<b>Annual Weed Control during establishment from "Sprigs", of Bermudagrass, Zoysiagrass, and Seashore Paspalum.</b>			
Crabgrass and Goosegrass, Annual Sedge and other annual weeds.	2 to 3 lbs. AI/A 133 to 200 lbs. per acre	3.1 to 4.6 lbs. per 1,000 sq. ft.	Directions - Refer to Map of U.S. on this label. For Bermudagrass make application immediately prior to, or, immediately after sprigging. For Seashore Paspalum and Zoysia make application 10 to 14 days after sprigging. Applications made close to the time of sprigging may cause objectionable injury. Disturbance of the soil surface after application may disrupt the herbicide barrier and reduce effectiveness. For best results sprinkler irrigate the "sprigged" area with up to 1/2 inch water after application.

maximum application rate per year is 8 pounds of active ingredient per acre per year. For best results, water-in the product as soon as practical after application. Not for use on home lawns.



1. Mid-north & northwestern After May 20
2. Upper/mid-states & northeast After May 10
3. Lower mid-states After April 20
4. Upper southern states After March 20
5. Warm season states Jan 1 to Mar 20

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements of this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard for agricultural pesticides (40CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or nurseries. Do not enter or allow others to enter the treated area until dusts have settled.

**FOR SPRING APPLICATION ON GOLF COURSES**

The 3 lb. and 4 lb. AI per acre rates may be applied as a split application. Weed control and better turf management can be programmed by splitting the AI per acre of active ingredient into "two" separate applications. For example to accomplish this in region #5 (see map of U.S. on this label): first apply 1.5 lbs. AI (for required 3 lbs. AI/acre rate) or first apply 2 lbs. AI acre (for 4 lb. AI/acre rate) as the 1st application 1 to 2 weeks before estimated weed seed germination or in late December or early January; Then follow with the second "1/2 rate" of AI in 60 days or the first of March. The timing for these applications should be closely programmed to the geographic region; (see map of U.S. on this label) and adjusted to an "early" or "late" spring. Do not split the 2 lb. AI/acre rate. The 3 lb. AI/acre rate should not be split if applied to new turf areas first under turf management where weed pressure is expected to be heavy.

**Bermuda & Paspalum Directions** - Refer to U.S. map on this label. For Bermudagrass make application immediately prior to or after sprigging. For Seashore Paspalum apply 10 to 14 days after sprigging. Applications made close to the time of sprigging may cause objectionable Paspalum injury. Disturbance of the soil surface after application may disrupt the herbicide barrier and reduce effectiveness. For best results sprinkler irrigate the "sprigged" area with up to 1/2 inch water after application.

**PRECAUTIONS IN USING ON TURFGRASS and also PRECAUTIONS WHEN SEEDING**

For **St. Augustinegrass** and **Bentgrass** turf. **DO NOT** exceed the rate of 3 lbs. of active ingredient per acre which is equal to 4.6 lbs. of this product per 1,000 sq. ft. **DO NOT** apply to **Bentgrass** turf mowed less than 3/8 inch. This product may cause discoloration or **Bentgrass**, **Bermudagrass** and **St. Augustinegrass** but this discoloration is temporary and normally outgrown within 2 to 3 weeks. Avoid contact with flowers and shrubs except as recommended elsewhere for ornamental plants on this label. **DO NOT** apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. **DO NOT** apply to **Dichondra** or **Centipedegrass**. **DO NOT** use on golf course putting greens or tees because of the varying cultural practices used.

**GENERAL PRECAUTIONS AND RESTRICTIONS**

A single application rate must not exceed 6.2 pounds of product per 1000 sq. ft. or 266 pounds of product per acre which is equivalent to 4 pounds of active ingredient per acre. The maximum application rate per year is 6 pounds of active ingredient per year except in cases of heavy weed infestation in which case the

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WEEDS CONTROLLED

Annual Bluegrass	Annual Sedge	*Barnyardgrass
Bittercress	Carpetweed	Carpetgrass Henbit
Common Groundsel	Common Purslane	Crabgrass
*Evening Primrose	Fireweed	Field Sandbur
Foxtail; Green, Bristly	Fall Panicum	Florida Pursley
*Galinsoga	Golden Ragwort	*Goosegrass
**Jungle Ricegrass	Lambsquarter	**Livewort
Oxalis	**Panama Paspalum	Pennsylvania Smartweed
Redroot Pigweed	Sensitive plant	Shepardspurse
Sow Thistle	Speedwell-Spotted Catsear	
Spruce; Garden, Petty, **	Prostrate	Stinging Nettle
*Swinegrass	Virginia Buttonweed	Yellow Woodsorrel

\*For the weeds with 1 asterisk above, use 3 to 4 lbs. AI per acre (equal to 200 lbs. to 267 lbs. of this product per acre; or 4.6 lbs. to 6.2 lbs. per 1,000 sq. ft.).

\*\*For the difficult-to-control weeds with 2 asterisks\*\* above, use 4 lbs. AI per acre (equal to 267 lbs. of this product/acre or 6.2 lbs. per 1,000 sq. ft.).

**NOTE:** For newly seeded lawns do not apply this product until after the second cutting. For best turf management, place new grass seed in the fall of the year. Spring pre-emergence weed control can then be applied.

**SPREADER SETTINGS**

Your used spreader may need calibrating. Since proper application is based on the spreader's condition with regard to age and use, your walking speed and the evenness of the terrain, your spreading equipment may require adjustments from the following figures. If you have reason to believe that your spreader is not calibrated correctly, test apply by placing the amount for 500 sq. ft. into your spreader and apply to your pre-measured 500 sq. ft. (5 ft. wide by 100 ft. long). The spreader settings are approximate. Different product analysis or particle size will affect bulk density and actual spreader setting needs.

Spreader Setting	Spread width	Pounds A.I per Acre		
		2	3	4
Scotts RBA	7'	XX	XX	XX
Lesco high wheel	7'	XX	XX	XX
Spyker 24-22	7'	XX	XX	XX
Prizelawn CBR-11	7'	XX	XX	XX
Earthway 2400-SS	7'	XX	XX	XX

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.  
**PESTICIDE STORAGE:** Store product in its original bag, in a cool dry, locked place out of the reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinstate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. **CONTAINER DISPOSAL:** Nonrefillable 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.

**READ ENTIRE LABEL BEFORE USING**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, Limitations of Liability.  
**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Knox Fertilizer Company. All such risks shall be assumed by the user or buyer.  
**Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Knox Fertilizer Company is authorized to make any warranties beyond those contained herein.

Knox Fertilizer Company disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.  
**LIMITATION OF WARRANTIES:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at Knox Fertilizer Company's option, the replacement of the product.

FOR THE FOLLOWING EMERGENCY, PHONE 24 HOURS A DAY  
 TRANSPORTATION: CHEMTREC - - - - - 1-800-424-9300

**Guaranteed Fertilizer Analysis**

**5-5-25**

Total Nitrogen (N)-----	5%
1.96% Ammoniacal Nitrogen	
3.04% Urea Nitrogen	
Available Phosphorus (P2O5)-----	5%
Soluble Potash (K2O)-----	25%

Derived from : Ammoniated phosphate, urea, and muriate of potash.

The product may contain several N-P-K fertilizer ratios (5-10-20, 20-3-20, 20-4-10, 36-0-0, or 38-0-0) to meet the need of various geographies, varieties, and temperatures.

Distributed by: Knox Fertilizer Company, Inc.  
 PO Box 248  
 Knox, Indiana 46534

**Net Weight 50 lbs. (22.7 kg.)**

For a Wide Variety of Listed Woody \*Ornamental Shrubs, Vines, Trees, and Ground Covers in Landscape Plantings and for Container and Field Grown Nursery Plants.

\*For use only on plant that will not bear edible fruit within one year of application.

**ESTABLISHED ORNAMENTAL and GROUND COVERS  
 COMMON NAMES**

Abutilon	Ivy, Algerian
Acacia	Ivy, English
Agapanthus	Jasmine, Orange
Allamanda, Common	Jasmine, Primrose
Andromeda	Jasmine, Star
Aralia	Jasmine, Showy
Arborvita	Juniper
Ash, Green	Justica
Azalea	Kwanzan Cherry
Baby's Breath	Lamb's Ear
Bald Cypress	Lantana, Trailing
Bamboo, Feathery	Lapalapa
Banyan, Weeping	Larch, European
Barberry	Laurel, English
Beefsteak Plant	Leopards - Bane
Bearberry	Leucothoe, Coast
Beech, European	Leucothoe, Drooping
Birch, Paper	Lily of the Nile
Blanket Flower	Lilac
Blazing Star	Littleleaf Linden
Boxwood, Japanese	Loquat*
Boxwood, Common	Magnolia
Bougainvillea	Mahonia, Grape Holly
Brassaia, Dwarf	Maple
Buddleia	Metallic Plant
Bugleflower	Mexican Orange
Callistemon	Money Tree
Camellia, Common, Jap	Murraea
Camellia, Sasanque	Myoporium
Candytuft	Nandian
Carrissa	Oak
Caration	Ochana

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Ceanothus  
 Cedar, Red  
 Cedar, Atlas  
 Cistus  
 Citrus, Ornamental\*  
 Grapefruit  
 Lemon  
 Lime  
 Mandarin  
 Tangelo  
 Tangerine  
 Temple  
 Cuban Shaddock  
 Valencia  
 Washington Navel  
 Clevera  
 Coreopsis  
 Coromandel  
 Cotoneaster  
 Crabapple  
 Crapemyrtle  
 Chrysanthemum  
 Cypress  
 Cypress, Leyland  
 Dahlia  
 Daphne, Fragrant  
 Deutzia, Slender  
 Dieffenbachia  
 Dogwood, Common  
 Dogwood, Redosier  
 Dogwood, Kousa  
 Douglas, Fir  
 Elm  
 Escallonia  
 Eucalyptus  
 Euryops, Gray Leaved  
 Euonymus, Spreading  
 Euonymus, Wintercreeper  
 Falsecypress  
 Falsecypress, Japanese  
 Flowering Quince  
 Forsythia  
 Gardenia  
 Gazania Trailing  
 Ginko  
 Gladiolas  
 Golden Raintree  
 Heath, Spring  
 Heather, Scotch  
 Heliotropium  
 Hemlock, Canada  
 Hibiscus  
 Honeysuckle  
 Holly  
 Ice Plant  
 Ilima

Ohai  
 Oleander  
 Orthosiphon  
 Osmanthus  
 Pashysandra  
 Palm, Bamboo  
 Palm, Fishtail  
 Palm, Licuala  
 Palm, Macarthur  
 Palm, Mabnee  
 Palm, Manila  
 Palm, Parlor  
 Palm, Rattan  
 Palm, Scaling Wax  
 Palm, Sugar  
 Paperbark Tree  
 Peony  
 Periwinkle, Common  
 Periwinkle, Large  
 Photinia, Frashers  
 Poinciana  
 Pine  
 Pittsoporum, Japanese  
 Plum, Natal  
 Podocarpus, Yew  
 Pomegranite  
 Poplar  
 Potentilla  
 Privet  
 Protea species  
 Pyracanthus  
 Raphioiepis  
 Redwood, Dawn  
 Rhododendron  
 Rose, spp.  
 Russian Olive  
 Sargent Cherry  
 Scotch Broom  
 Sedum  
 Serviceberry, Saskatoon\*  
 Spruce  
 Statice  
 St. Johnswort, Golden  
 St. Johnswort, Golden Cup  
 Strawberry Tree  
 Sumac, Staghorn  
 Sweet William  
 Syzygium  
 Trailing African Daisy  
 Viburnum  
 Weiglia  
 Wisteria, chinese  
 Witchhazel, common  
 Woadwaxen, common  
 Wooly Thyme  
 Xylosma  
 Yew

granules evenly over the prepared soil by applying 2 lbs. to 4 lbs. active ingredient per acre, equal to 133 to 267 lbs. of this product/acre or 3.1 to 6.2 lbs. per 1,000 sq. ft. respectively.

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

COMMON NAMES		
Blanket Flower	Brassaia, Dwarf	Camellia
Cedar, Red	Coromandel	Dogwood, Flowering
Elm	Forsythia	Gazania, Trailing
Hackberry	Ivy, Algerian	Ivy, English
Hemlock, Canada	Holly	Ice Plant
Juniper	Leopards-Bane	Metallic plant
Oak	Periwinkle, Common	Periwinkle, Large
Pine	Poplar	Privet
Protea Species	Rhododendron	Russian Olive
Spruce	Trailing African Daisy	Wedelia
Wisteria, Chinese	Yew	

FOREST NURSERY APPLICATION

COMMON NAME	SCIENTIFIC NAME
Pine, Loblolly	Pinus, teada
Pine, Eastern White	Pinus, Strobus
Pine, Slash	Pinus, Canbaea

SENSITIVE PALNTS

Under certain growing conditions, the plant varieties listed below may be sensitive to this product. Growers should evaluate usage on small scale prior to large scale applications.

PLANT SPECIES	COMMON NAMES	VARIETIES
Andromeda (Pieris japonica) Azalea	Cotoneaster	Snowdrift, Temple Bell
		Pink Champagne, Hershey, Rhododendron spp.
Crape myrtle (Lagerstroemis indica)	Hemlock, Canada (Tsuga canadensis)	Crimson, Everest, Girard
		Eichholz, Himalayan, Shangri-la (Cotoneaster spp.)
Heath, Spring (Erica cameo)	Hibiscus (Hibiscus Syriacus)	Petite Red Imperial, and Seminole Bush
Hemlock, Canada (Tsuga canadensis)		Mediterranean Pink
Hibiscus (Hibiscus Syriacus)		Pendula
Rhododendron		Red Heart
Spruce, Norway (Picea abies)		Daphnoides, Nova Zembia, (Rhododendron spp.), Catawba Album
Spruce, White (Picea glauca)		Pumila
Viburnum		Densata
		Davidii (Viburnum spp)

Distributed by: Knox Fertilizer Company, Inc., PO Box 248, Knox, Indiana 46534

Net Weight 50 lbs. (22.7 kg.)

Batch No.

NOTIFICATION

DEC 22 2008

**WHERE, HOW MUCH, AND WHEN TO USE AROUND ORNAMENTALS**  
 Can be applied anytime of the year prior to weed seed germination to both newly transplanted and established actively growing or dormant ornamental plants where both weed control and fertilization is desired. Rainfall or overhead irrigation  $\frac{1}{2}$  inch water will improve weed control activity. Do not mix into soil. Disturbing or cultivating the soil after treatment may reduce weed control. Do not apply granules to wet foliage or under conditions in which granules will collect on leaves, if so, sprinkler-irrigate the plants to move granules off foliage and down to soil level. Do not apply in green houses as plants injury may likely result. Use the higher application rates for areas that have a history of heavy weed pressure. For best weed control around ornamentals first remove any existing weed growth and if possible rake, cultivate and smooth the soil surface by breaking-up clumps. Broadcast the