



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 8378-39 Shaw's Turf Food/Crabgrass Control Barricade 28**

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  
 2/13

**Application for Pesticide - Section I**

1. Company/Product Number 8378-39	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 Barricade 28	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> <b>NOTIFICATION</b> Product Name <u>N/A</u> <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 Booklet/Printed Bag

**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  
*Robert F. Bischoff*

3. Title  
Agent, TotalTurf Consulting LLC

4. Typed Name  
Robert F. Bischoff

5. Date  
October 14, 2008

6. Date Application Received  
(Stamped)



**NOTIFICATION**

DEC 16 2008

**Shaw's Turf Food/Crabgrass Control Barricade® 28**

For Preemergence Control of Grass and Broadleaf Weeds in Established Turf Grasses, (excluding golf course putting greens) and Lawns - Also for Landscape Ornamentals Including Established Perennials and Wildflower Plantings. (See Supplemental Label)

**ACTIVE INGREDIENT:**

Prodiamine [N<sup>3</sup>,N<sup>3</sup>-Di-*n*-propyl-2,4-dinitro-6-(trifluoromethyl)-*m*-phenylenediamine]..... 0.28%

**INERT INGREDIENTS:**..... 99.72%

TOTAL 100.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

Barricade® is a registered trademark of Syngenta

EPA Reg. No. 8378-39

EPA Est. No. 8378-IN-1

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N) .....  
Available Phosphoric Acid (P2O5) .....  
Soluble Potash (K2O) .....

XX%  
XX%  
XX%

Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

**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. No 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 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 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 going for treatment.

**ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides.

**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. **If product is spilled,** sweep up and use as per label instructions or dispose of as indicated above.

**DIRECTIONS FOR USE**

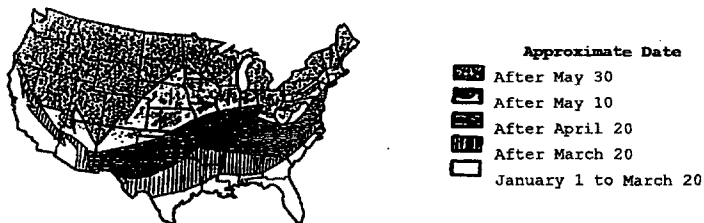
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a turf fertilizer and a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least 1/2 inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown: (1) for sale or other commercial use; (2) for commercial seed production or; (3) for research purposes. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

**ESTABLISHED TURF**

This product is a pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map for approximate crabgrass seed germination dates.

Crabgrass Seed Germination Dates



**USE PRECAUTIONS**

The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded turf within 60 days after seeding or until after the second mowing whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

**Rates of Application**

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

**Maximum Annual Rates**

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate/Calendar Year Of Product by Turf Grass Species <sup>(1)</sup>		
Turf Species	Lbs. Product/Acre	Lbs. a.i./Acre
Creeping Bentgrass	233 lbs.	0.65 lb.
Creeping Red Fescue	267 lbs.	0.75 lb.
Buffalograss	357 lbs.	1.00 lb.
Kentucky Bluegrass	"	"
Perennial Ryegrass	"	"
Bermudagrass <sup>(2)</sup>	535 lbs.	1.50 lb.
Bahiagrass	"	"
Centipedegrass	"	"
Seashore Paspalum	"	"
St. Augustinegrass	"	"
Tall Fescue (including turf type)	"	"
Zoysia	"	"

20081014.Final Label

(1) These are the maximum rates per calendar year by species limitations. (2) May be used on newly-sprigged or plugged Bermudagrass at rates not to exceed 180 lbs./A. Newly-sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations. Do not apply more than 535 lbs. of this product per calendar year. Use higher rates of product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates section.

**WEEDS CONTROLLED**

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Henbit	Purslane, common
Bluegrass, Annual (Poa Annua)	Itchgrass	Pursley, Florida
Carpetweed	Johnsongrass (from seed)	Rescuegrass <sup>(3)</sup>
Chickweed, Common	Junglerice	Shepherd's Purse <sup>(2)</sup>
Chickweed, Mouseear (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (Large, Smooth)	Kochia	Speedwell, Persian
Crowfoot grass	Lambsquarter, common	Sprangletop
Cupgrass, Wooly	Lovegrass	Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass <sup>(1)</sup>	Pigweed	Woodsorrel, Yellow (from seed)

(1) In many areas a single application of 233 to 535 lbs/A will control goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 233 to 357 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate section. (2) Application for this weed should be made in late summer, fall, or winter prior to germination. (3) Suppression Only. Sequential application may be made as long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

**WHEN TO APPLY AFTER OVERSEEDING TURF**

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

**WHEN TO OVERSEED AFTER APPLICATION**

This product will inhibit the germination of turf species if overseeded to soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

Product rate lbs./Acre		Months Before Overseeding		
Product	a.i./A	North	Transition	South
180	0.50	4	4	4
233	0.65	5	4	4
267	0.75	6	5	5
285	0.80	-	6	6
357	1.00	-	7	7
407	1.14	-	-	9
465	1.30	-	-	10
535	1.50	-	-	12

**Application Directions**

Apply uniformly with suitable, calibrated application equipment.

**Spreader Recommendations**

Spreader settings for 1000 sq. ft.	180 lbs. Product/A	267 lbs. Product/A	357 lbs. Product/A	535 lbs. Product/A
Scott's Evergreen 18"	XX	XX	XX	XX
Scott's Speedy Brdct.	XX	XX	XX	XX
Red Devil Broadcast	XX	XX	XX	XX
Republic EZ Drop 18"	XX	XX	XX	XX
Republic EZ Broadcast	XX	XX	XX	XX
Republic EZ Trctr. Brdct.	XX	XX	XX	XX

7/13

20081014.Final Label

Calibrate your spreader according to the manufacturer's directions. Initial spreader setting may require adjustment to deliver the recommended Application rate under actual application conditions. Apply this product uniformly over the area to be treated. Avoid streaking, skips and overlaps during application. Calibration of spreader may be needed if conditions of area to be treated changes and rate or speed of application are changed.

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. If these terms are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid.

**\*FOR USE ON LANDSCAPE ORNAMENTALS**  
(including Established Perennials and Wildflower Plantings). This product may be applied for residual preemergence weed control in ornamental plantings.  
**FOR COMPLETE DETAILS AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS, REFER TO THE SUPPLEMENTAL LABEL FOR USE OF THIS PRODUCT ON LANDSCAPE ORNAMENTALS.**

NET WEIGHT XX LBS.  
KNOX FERTILIZER COMPANY, INC.  
P.O. BOX 248  
KNOX, IN 46534

Batch No:

Supplemental labeling

# Shaw's Turf Food/Crabgrass Control Barricade® 28

For Preemergence Control of Grass and Broadleaf Weeds in Landscape Ornamentals Including Established Perennials and Wildflower Plantings.

**ACTIVE INGREDIENT:**

Prodiamine [N3,N3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] ..... 0.28%

INERT INGREDIENTS: ..... 99.72%

TOTAL 100.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

EPA REG. NO. 8378-39

EPA EST. NO. 8378-IN-1

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information. Barricade® is a registered trademark of Syngenta

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N) XX%  
Available Phosphoric Acid (P2O5) XX%  
Soluble Potash (K2O) XX%  
Ingredients: Ureaformaldehyde, Urea, Sulfur Coated Urea, Ammonium Phosphate, Muriate of Potash

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

### 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. No 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 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 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 going for treatment.

### ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides.

**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. **If product is spilled, sweep up and use as per label instructions or dispose of as indicated above.**



## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a turf fertilizer and a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, landscape ornamentals, established perennials and wildflower plantings. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when it is activated by at least  $\frac{1}{2}$  inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown: (1) for sale or other commercial use: (2) for commercial seed production or: (3) for research. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, or parks, or on golf courses or lawns and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

### Application Directions

Apply uniformly through suitable, calibrated, hand held, push or pull type granular spreader application equipment. See "Spreader Recommendations" section for spreader setting and calibration instructions.

### Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. The length of time of residual weed control provided by this product is related to the rate applied.

### WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Henbit	Purslane, common
Bluegrass, Annual (Poa Annuua)	Itchgrass	Pursley, Florida
Carpetweed	Johnsongrass	Rescuegrass <sup>(3)</sup>
Chickweed, Common	Junglerice	Shepherd's Purse <sup>(2)</sup>
Chickweed, Mauseear (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (large, smooth)	Kochia	Speedwell, Persian
Crowfoot grass	Lambsquarter, common	Sprangletop
Cupgrass, Wooly	Lovegrass	Spurge, Prostrate
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass
Goosegrass <sup>(1)</sup>	Pigweed	Woodsorrel, Yellow (from seed)

(1) In many areas a single application of 233 to 535 lbs/A will control goosegrass. However, under goosegrass pressure and/or on extended growing season, most effective weed control may be obtained by making an initial application of 233 to 357 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed a total of 535 lbs. per acre, per season. (2) Application for this weed should be made in late summer, fall, or winter prior to germination. (3) Suppression Only. Sequential application may be made as long as the total amount of product applied does not exceed the maximum annual application rates of 535 lbs. per acre. All applications must be made prior to germination of the weed seeds.

### LANDSCAPE ORNAMENTALS

#### Including Established Perennials and Wildflower Plantings

This product may be applied for residual preemergence weed control in ornamentals.

#### Use Rates

Apply at 5.35 to 12.25 lbs./1,000 sq. ft. (equiv. To 233 to 535 lbs./A) in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 535 lbs./acre.

#### Application Timing and Information

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application. Best weed control is obtained when this product is applied to soil free of clods, weeds and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

#### Established Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product into the soil.

#### Newly Transplanted Landscape Ornamentals

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the surface. This product may be applied over the top of these species provided spray residue on shoots of plants is washed to the soil by over the top irrigation or by adequate rain soon after application. When plants are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

Scientific NameCommon Name

<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Acer palmatum</i>	Japanese Maple
<i>A. platanoides</i>	Norway maple
<i>Achillea</i> , sp.	Yarrow: King Edward
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> sp.	<i>Aquilegia</i> ; Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemisia</i> sp.	Wormwood; Silver Mound, Castle
<i>Aster</i> sp.	Aster: Bonny Blue, Purple Dome
<i>Aster X Frikartii</i>	
<i>Athrium Filiz-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia</i> sp.	Fibrous Begonia; Hardy Grandis
<i>Berberis gladwynensis</i>	Barberry
<i>B. Julianae</i>	Wintergreen Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. thunbergii</i>	Japanese Barberry
<i>B. Verruculosa</i>	Warty Barberry
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly-bush (Dwarf Blue); Royal Red
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Campanula carpatica</i>	Tussock Bellflower, (White Clips)
<i>Campis X Tagliabuana</i>	Trumpet Creeper, Trumpet Flower, Madame Galen
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisoides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Ceratostigma plumbagonoides</i>	
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Chrysanthemum nipponicum</i>	
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species*
<i>Coreopsis</i> sp.	Coreopsis (Calliopsis); Early Sunrise, Moonbeam
<i>Cornus florida</i>	Flowering Dogwood
<i>C. stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>C. buxifolius</i>	Cotoneaster
<i>C. dammeri</i>	Bearberry Cotoneaster
<i>C. microphyllus</i>	Rockspray Cotoneaster
<i>Cretaeagus</i> spp.	Hawthorne
<i>Crocosmia</i> sp.	Lucifer
<i>Cupressus sempervirens</i>	Italian Cypress

20081014.Final Label

Delosperma alba  
 Delosperma sp.  
Scientific Name  
 Delphinium sp.  
 Dianthus deltoides  
 D. gratianopolitanus  
 Dodonea viscosa  
 Echinacea pupurea  
 Elaeagnus pungens  
 Euonymus fortunei  
 E. japonica  
 E. kiatschovica  
 Fatsia japonica  
 Forsythia intermedia  
 Forsythia suspensa  
 F. viridissima  
 Gaillardia sp.  
 Gardenia jasminoides  
 Gaura sp.  
 Gentiana dahurica  
 Geranium cinereum  
 Gladiolus spp.  
 Gypsophila repens  
 Hedera helix  
 Hellanthenum sp.  
 Hemerocallis sp.  
 Hibiscus  
 Hibiscus sp.  
 Hibiscus rosa-sinensis  
 Hosta plantaginea  
 H. Sieboldiana  
 Houttuynia cordata var. variegata  
 Hydrangea macrophylla  
 Ilex cornuta  
 I. crenata  
 I. opaca  
 I. pernyi  
 I. vomitoria  
 Inula ensifolia  
 Iris ensata  
 Iris siberica  
 Iris spp.  
 Jasminium nudiflorum  
 Juniperus chinensis  
 J. Conferta  
 J. davurica  
 J. horizontalis  
 Juglans sp.  
 Justicia brandegeana  
 Lagerstromia indica  
 Lagerstromia indica X Fauriei  
 Lantana montevidensis  
 Lavender sp.  
 Leontopodium aplanum  
 Ligustrum sinense  
 Ligustrum amurense  
 L. japonicum  
 L. lucidum  
 Lillium sp.  
 Liriope muscari  
 Liriope Muscari var. variegata

White Trailing Ice Plant  
 Cooperi Pink  
Common Name  
 Larkspur; Blue Elf  
 Dianthus; Maiden Pinks "Zing"  
 Cheddar Pink  
 Hop Bush  
 Coneflower, Purple; Magnus  
 Silverberry  
 Wintercreeper  
 Japanese Spindle Tree (Evergreen Euonymus)  
 Spreading Euonymus  
 Japanese Aralia  
 Border Forsythia  
 Weeping Forsythia  
 Greenstem Forsythia  
 Gaillardia, Blanket Flower: "Goblin"  
 Gardenia, Cape-Jasmine, Radicans  
  
 Gentian  
 Cranesbill  
 Gladiolus species\*\*  
 Baby's Breath  
 English Ivy  
 Sunrose  
 Daylily: Aztec Gold, Stella De Oro, Tender Love  
 Rose of Sharon\*\*  
 Mallow: Disco Belle White  
 Chinese Hibiscus  
 Hosta, Plantain Lily (Fragrant)  
 Hosta, "Searsucker"  
  
 Bigleaf Hydrangea  
 Chinese Holly  
 Japanese Holly; Helli  
 American Holly  
 Holly  
 Yaupon Holly; Schillings  
  
 Sword-Leaved Iris; Jodlesong  
 Siberian Iris; Cabernet  
 Iris species\*\*  
 Winter Jasmine  
 Chinese Juniper; Nick's Compact, Parsonii  
 Shore Juniper; Blue Pacific  
 Parsoni  
 Creeping Juniper  
 Walnut\*  
 Shrimp Plant  
 Crape Myrtle  
 Crape Myrtle; Tuscarora  
 Weeping Lantana  
 Lavender; Munstead  
 Edelweiss  
 Chinese Privet; Variegata  
 Amur Privet  
 Japanese Privet  
 Glossy Privet (waxleaf)  
 Lily; Jazz  
 Big Blue Lily; Turf; Silver Mound; Evergreen Giant  
 Liriope, Variegated

20081014.Final Label

Liloipe spicata  
 Lobelia Cardinalis  
Scientific Name  
 Lonicera japonica  
 L. tatarica  
 Loropetalum chinense  
 Lythrum sp.  
 Magnolia spp.  
 Maleophora luteola  
 Malus sp.  
 Miscanthus sinensis  
 Nandina domestica  
 Narcissus spp.  
 Nerium oleander  
 Olea europaea  
 Ophiopogon japonicus  
 Osmanthus heterophyllus  
 Osteospermum fruticosum  
 Oxydendrum arboreum  
 Paeonia suffruticosa  
 Pennisetum setaceum  
 Perovskia atriplicifolia  
 Persea americana  
 Photnia fraseri  
 Physotegia Virginiana  
 Picea spp.  
 Pieris japonica  
 Pinus brutia  
 P. canariensis  
 P. elliotii  
 P. halepensis  
 P. nigra  
 P. palustris  
 P. radiata  
 P. thunbergiana  
 P. strobus  
 P. sylvestris  
 P. taeda  
 P. virginiana  
 Pistachio sp.  
 Pittosporum rhombilfolium  
 P. tobira  
 Podocarpus macrophyllus  
 Prunus laurocerasus  
 Prunus sp.  
 Pseudotsuga menziesii  
 Pyracantha coccinea  
 P. fortuneana  
 P. koidzumii  
 Pyrus sp.  
 Quercus Shumardii  
 Quercus spp.  
 Raphiolepis indica  
 Raphiolepis umbellata  
 Rhododendron  
 (including Azalea)

Liriope, Creeping  
 Cardinal Flower, Indian Pink  
Common Name  
 Japanese Honeysuckle  
 Tatarian Honeysuckle  
 Burgundy  
 Loosestrife; Modern Pink  
 Magnolia species\*\*  
 Ice Plant  
 Crabapple\*  
 Yaku Jima, Silberfeder  
 Heavenly Bamboo  
 Narcissus species\*\*  
 Oleaner  
 Olive\*  
 Mondo Grass  
 Osmanthus ( False Holly): Gulf Tide  
 Trailing African Daisy  
 Sourwood  
 Tree Peony  
 Fountain Grass (Dwarf)  
  
 Avocado\*  
 Frasier's Photinia (Redtip)  
 Dragonhead, False; Vivid  
 Spruce species\*\* (Colorado Blue, Norway, etc.)  
 Lily-of-the-Valley Bush  
 Calabrian Pine  
 Canary Island Pine  
 Slash Pine  
 Aleppo Pine  
 Austrian Pine  
 Longleaf Pine  
 Monterey Pine  
 Japanese Black Pine  
 Eastern White Pine  
 Scotch Pine  
 Loblolly Pine  
 Virginia Pine  
 Pistachio\*  
 Queensland Pittosporum  
 Japanese Pittosporum  
 Japanese Yew  
 English Laurel  
 Almond, Apricot, Nectarine, Peach, Plum and Prune\*  
 Douglas Fir\*\*  
 Firethorn (Scarlet)  
 Firethorn  
 Firethorn  
 Bradford Pear sp.  
 Oak, Shumard's Red  
 Oak species  
 Indian Hawthorne  
 Yedda Hawthorn  
 'Coral Bells'  
 'Delaware Valley White'  
 'Flame Creeper'  
 'Formosa'  
 'Girard Crimson'  
 'George L. Tabor'  
 'Hino-crimson'

Scientific Name

Rosa banksiae  
 Rosmarinus officinalis  
 Rudbeckia sp.  
 Santolina, virens  
 Saxifraga sp.  
 Scabiosa sp.  
 Sedum album  
 Sedum caudicicola  
 Sedum dasyphyllum  
 Sedum spurium  
 Spiraea Bumalda  
 Syzygium paniculatum  
 Taxus cuspidata  
 T. media  
 Teucrium sp.  
 Thalictrum dipterocarpum  
 Thuja occidentalis  
 Trachelospermum asiaticum  
 Tsuga canadensis  
 Tulipa spp.  
 Veronicac sp.  
 Viburnum japonicum  
 V. odoratissimum  
 V. plicatum  
 V. rigidum  
 V. suspensum  
 V. tinus  
 V. trilobium  
 V. wrightii  
 Vinca major  
 Vinca minor  
 Vitis sp.  
 Weigela florida  
 Yucca aloifolia  
 Y. filamentosa

'PJM'  
 'Roseum Elegans'  
Common Name  
 'Wakeiebisu'  
 'White Gumbo'  
 Lady Bank's Rose  
 Rosemary\*  
 Black-eyed Susan; Goldstrum  
 Santolina  
 Saxifrage; Purple Dome  
 Pincushion Flower  
 Stonecrop  
 Stonecrop; Lidakense  
 Stonecrop  
 Stonecrop; Dragon's Blood  
 Spirea: Anthony Waterer  
 Australian Brushcherry  
 Japanese Yew  
 Yew  
 Germander  
 Meadow Rue  
 American Arborvitae  
 Star Jasmine  
 Canada Hemlock  
 Tulip species  
 Veronica, Speedwell; Sunny Border  
 Japanese Viburnum  
 Sweet Viburnum  
 Japanese Snowball  
 Canary Island Viburnum  
 Arrowwood Viburnum  
 Laurustinus  
 Cranberry Bush  
 Leatherleaf Viburnum  
 Greater Periwinkle, Vinca  
 Common Periwinkle, Vinca  
 Grape\*  
 Old Fashioned Weigela  
 Spanish Bayonet, Yucca  
 Adam's Needle, Yucca

**NOTIFICATION**

DEC 16 2008

\* Do not use on food producing trees, vines or plants.

\*\* Not for use on container grown plants.

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. If these terms are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid.

NET WEIGHT XX POUNDS  
 Knox Fertilizer Company, Inc.  
 P.O. Box 248  
 Knox, IN 46534

Batch No: