

8378-39

3/2/2011

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

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

MAR - 2 2011

Subject: EPA Reg. 8378-39 / Shaw's Turf Food / Crabgrass Control Barricade 28 Notification

Dear Mr. Bischoff:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 11-3-10 for the product EPA Reg. 8378-39 / Shaw's Turf Food / Crabgrass Control Barricade 28. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. The alternate brand name is acceptable.

If you have any questions please call Erik Kraft at 703-308-9358 or email at [Kraft.Erik@epa.gov](mailto:Kraft.Erik@epa.gov) or Kathryn Montague at 703-305-1243 or [Montague.Kathryn@epa.gov](mailto:Montague.Kathryn@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague".

Kathryn Montague  
Team Leader  
Herbicide Branch, Team 23  
Registration Division (7504P)

2013



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

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 8378- 39	2. EPA Product Manager Kathryn Montague	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> Product Name <u>N/A</u>	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b> <u>MAR 02 2011</u>
<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 to add an alternate brand name (Shaw's Turf Food/Crabgrass Control Prodiamine 28) per PR Notice 98-10 (IIA). This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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 checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 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 Paper glued Stenciled	<input checked="" type="checkbox"/> Other <u>Booklet/Printed Bag</u>		

**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 November 3, 2010	



# Shaw's Turf Food/Crabgrass Control Prodiamine 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- <i>n</i> -propyl-2,4-dinitro-6-(trifluoromethyl)- <i>m</i> -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.

EPA Reg. No. 8378-39

EPA Est. No. 8378-IN-1

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 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: 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 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. **CONTAINER DISPOSAL:** Nonrefillable container.

Do not reuse or refill this container, offer for recycling if available.

### DIRECTIONS FOR USE

20101103.Final Label (ALT Brand)

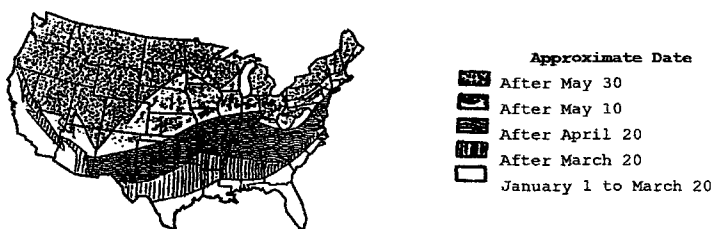
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a turf fertilizer and a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), and lawns, 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	"	"

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(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
Carpeweed	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, Woolly	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

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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.

80A/13

Supplemental labeling

# Shaw's Turf Food/Crabgrass Control Prodiamine 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.

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. 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 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: 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 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. CONTAINER DISPOSAL: Nonrefillable container.

Do not reuse or refill this container, offer for recycling if available.



### 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 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 Annua)	Itchgrass	Pursley, Florida
Carpenterweed	Johnsongrass	Rescuegrass <sup>(3)</sup>
Chickweed, Common	Junglerice	Shepherd's Purse <sup>(2)</sup>
Chickweed, Mausear (from seed)	Knotweed	Signalgrass, Broadleaf
Crabgrass (large, smooth)	Kochia	Speedwell, Persian
Crowfoot grass	Lambsquarter, common	Sprangletop
Cupgrass, Woolly	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 Name

Common Name

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

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<u>Scientific Name</u>	<u>Common Name</u>
Delosperma sp.	Cooperi Pink
Delphinium sp.	Larkspur; Blue Elf
Dianthus deltooides	Dianthus; Maiden Pinks "Zing"
D. gratianopolitanus	Cheddar Pink
Dodonea viscosa	Hop Bush
Echinacea pupurea	Coneflower, Purple; Magnus
Elaeagnus pungens	Silverberry
Euonymus fortunei	Wintercreeper
E. japonica	Japanese Spindle Tree (Evergreen Euonymus)
E. kiautschovica	Spreading Euonymus
Fatsia japonica	Japanese Aralia
Forsythia intermedia	Border Forsythia
Forsythia suspensa	Weeping Forsythia
F. viridissima	Greenstem Forsythia
Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"
Gardenia jasminoides	Gardenia, Cape-Jasmine, Radicans
Gaura sp.	
Gentiana dahurica	Gentian
Geranium cinereum	Cranesbill
Gladiolus spp.	Gladiolus species**
Gypsophila repens	Baby's Breath
Hedera helix	English Ivy
Hellanthenum sp.	Sunrose
Hemerocallis sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
Hibiscus	Rose of Sharon**
Hibiscus sp.	Mallow: Disco Belle White
Hibiscus rosa-sinensis	Chinese Hibiscus
Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
H. Sieboldiana	Hosta, "Searsucker"
Houttuynia cordata var. variegata	
Hydrangea macrophylla	Bigleaf Hydrangea
Ilex cornuta	Chinese Holly
I. crenata	Japanese Holly; Helleri
I. opaca	American Holly
I. pernyi	Holly
I. vomitoria	Yaupon Holly; Schillings
Inula ensifolia	
Iris ensata	Sword-Leaved Iris; Jodlesong
Iris siberica	Siberian Iris; Cabernet
Iris spp.	Iris species**
Jasminium nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsonnii
J. Conferta	Shore Juniper; Blue Pacific
J. davurica	Parsoni
J. horizontalis	Creeping Juniper
Juglans sp.	Walnut*
Justicia brandegeana	Shrimp Plant
Lagerstromia indica	Crape Myrtle
Lagerstromia indica X Fauriei	Crape Myrtle; Tuscarora
Lantana montevidensis	Weeping Lantana
Lavender sp.	Lavender; Munstead
Leontopodium aplinum	Edelweiss
Ligustrum sinense	Chinese Privet; Variegata
Ligustrum amurense	Amur Privet
L. japonicum	Japanese Privet
L. lucidum	Glossy Privet (waxleaf)
Lillum sp.	Lily; Jazz
Liriope muscari	Big Blue Lily; Turf; Silver Mound; Evergreen Giant
Liriope Muscari var. variegata	Liriope, Variegated
Liriope spicata	Liriope, Creeping

20101103.Final Label (ALT Brand)

Lobelia Cardinalis	Cardinal Flower, Indian Pink
<u>Scientific Name</u>	<u>Common Name</u>
Lonicera japonica	Japanese Honeysuckle
L. tatarica	Tatarian Honeysuckle
Loropetalum chinense	Burgundy
Lythrum sp.	Loosestrife; Modern Pink
Magnolia spp.	Magnolia species**
Maleophora luteola	Ice Plant
Malus sp.	Crabapple*
Miscanthus sinensis	Yaku Jima, Silberfeder
Nandina domestica	Heavenly Bamboo
Narcissus spp.	Narcissus species**
Nerium oleander	Oleaner
Olea europaea	Olive*
Ophiopogon japonicus	Mondo Grass
Osmanthus heterophyllus	Osmanthus ( False Holly): Gulf Tide
Osteopermum fruticosum	Trailing African Daisy
Oxydendrum arboreum	Sourwood
Paeonia suffruticosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Persea americana	Avocado*
Photnia fraseri	Frasier's Photinia (Redtip)
Physotegia Virginiana	Dragonhead, False; Vivid
Picea spp.	Spruce species** (Colorado Blue, Norway, etc.)
Pieris japonica	Lily-of-the-Valley Bush
Pinus brutia	Calabrian Pine
P. canariensis	Canary Island Pine
P. elliotii	Slash Pine
P. halepensis	Aleppo Pine
P. nigra	Austrian Pine
P. palustris	Longleaf Pine
P. radiata	Monterey Pine
P. thunbergiana	Japanese Black Pine
P. strobus	Eastern White Pine
P. sylvestris	Scotch Pine
P. taeda	Loblolly Pine
P. virginiana	Virginia Pine
Pistachio sp.	Pistachio*
Pittosporum rhombilfolium	Queensland Pittosporum
P. tobira	Japanese Pittosporum
Podocarpus macrophyllus	Japanese Yew
Prunus laurocerasus	English Laurel
Prunus sp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Pseudotsuga menziesii	Douglas Fir**
Pyracantha coccinea	Firethorn (Scarlet)
P. fortuneana	Firethorn
P. koidzumii	Firethorn
Pyrus sp.	Bradford Pear sp.
Quercus shumardii	Oak, Shumard's Red
Quercus spp.	Oak species
Raphiolepis indica	Indian Hawthorne
Raphiolepis umbellata	Yedda Hawthorn
Rhododendron	'Coral Bells'
(including Azalea)	'Delaware Valley White'
	'Flame Creeper'
	'Formosa'
	'Girard Crimson'
	'George L. Tabor'
	'Hino-crimson'
	'PJM'

Scientific Name

'Roseum Elegans'

Common 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

'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

\* 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.