



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

APR 1 5 2010

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. Robert F. Bischoff Agent, Total Turf Consulting LLC Knox Fertilizer Company, Inc. P.O. Box 248 Knox, IN 46534

RE: Notification of Removal of Toll Free Number from the Disposal Instructions Section

EPA Registration Number: 8378-38 Date of Submission: March 23, 2010

Dear Mr. Bischoff:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-1 dated March 23, 2010, for the above mentioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-1 and finds that the actions requested fall within the scope of PRN 2007-1. The label submitted with the application has been stamped "Notification" will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader

Sachel C. Holloman

Registration Division (7505P) Office of Pesticide Programs

Please read instructions on reverse before o	omp g form.	Form Appr	rove)MB No. 207)-00R4	O. Approval exp	ires 2-28-0
United States Environmental Protection Agency Washington, DC 20460				Registration Amendment Other	n	OPP Identifier Number	
	Application for	Pesticide - Sect	ion l			<u></u>	
1. Company/Product Number 8378- 38		2. EPA Product Menager Kathryn Montague			3. Proposed Classification		
4. Company/Product (Name) Shaw's Turf Food/Crabgrass Control Barricade 20		PM# 23			None Restricted		
5. Name and Address of Applicant (Include of Knox Fertilizer Company, Inc. P. O. Box 248 Knox, IN 46534 Check if this is a new address		EFA neg. No					
	Se	ction - II					
Amendment - Explain below. Resubmission in response to Agency Notification - Explain below.	letter dated	Final printed Agency lette "Me Too" A	or date pplica	tion.		ICATION 1 5 2010	
Explanation: Use additional page(s) if new Notification of label change relative to PR Not regulations at 40 CFR 156.10 and 40 CFR 15 product. I understand that it is a violation of 1 consistent with the guidance of PR Notice 200 may be subject to enforcement action and per	ice 2007-1. This notification in 2.46, and no other changes has U.S.C. Sec. 1001 to willfully 17-1 and the requirements of the native under sections 12 and	s consistent with the guidal ave been made to the labe make any false statement 40 CFR 156.10 and 40 CFI	ling or to EPA	the confidential A. I further under	statem stand	ent of formula of t that if this notifica	this ition is not
1. Material This Product Will Be Packaged In		00011 111				· · · · · · · · · · · · · · · · · · ·	·········
Child-Resistant Packaging Yes No * Cartification must be submitted Unit Packaging Yes V No If "Yes" Unit Packaging	Wat ✓ No. per If "\	Yes No Your No. per container		√ Pl G P	etel astic lass aper	Specify)	
3. Location of Net Contents Information	4. Size(s) Retail Con	tainer 0 lbs	5. Loc	ention of Label C	Pirectio	ons	
6. Manner in Which Label is Affixed to Produ	Lithograph Paper glued Stenciled	√ Other	Во	oklet/Printed B	ag		
		ction - IV					
1. Contact Point (Complete items directly b	elow for identification of inc	fividual to be contacted, i	if nece	essary, to proce	ss this	application.)	<u></u>
Name Robert F. Bischoff		Title Agent, TotalTurf Consulting LLC		1	Telephone No. (Include Area Code) (317) 873-0222		
I certify that the statements I have me I acknowledge that any knowlinglly fa both under applicable law.	Certification de on this form and all atta lse or misleading statement	chments thereto are true may be punishable by fir	, accu ne or ii	rate and complement or	teg	6. Qeté Applica Received	
2. Signature	3. Title				00	6 6 6 6	
Robet J. Bisch	Agent	TotalTurf Consulting LLC	-	C C C	C C	C C	
4. Typed Name Robert F. Bischoff	5. Date	March 23, 20)10			((((

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

Direct: 843-384-2807 E-Mail: rbcooper@juno.com

Fax: 229-683-3426

March 23, 2010

Document Processing Desk (NOTIF) Office of Pesticide Programs (7505P) U. S. Environmental Protection Agency Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501

Attn: Linda Arrington

Subject: Shaw's Turf Food/Crabgrass Control Barricade 20

EPA Reg. No. 8378-38

Notification per PR Notice 2007-1

Removal of Toll Free Number from the Disposal Instructions Section

As allowed by PR Notice 2007-1 (Section II.C.3.), the subject product label has been revised to show the removal of the statement "or 1-800-CLEANUP" from the Disposal Instructions Section. 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 20100323.Final Label (PRN2007-1)) (Pages 1-4) One Copy of Highlighted Final Printed Supplemental Label (Coded as 20100323.Final Label (PRN2007-1) (Pages 5-10)

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 Barricade® 20

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 [N³,N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine]..... INERT INGREDIENTS: 100.00% TOTAL

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. 8378-38

FPA EST. NO. 8378-IN-1

NOTIFICATION

APR 1 5 2010

GUARANTEED FERTILIZER ANALYSIS

XX%

Total Nitrogen (N) 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 frequent 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 FILLES: @dl your local solid was it agains for disposal institutations. 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. <u>CONTAINER DISPOSAL</u>: Charefillable 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 preemergence 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 $\frac{1}{2}$ 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 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 <u>Maximum Annual Rates</u> section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least $\frac{1}{2}$ 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.



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 ⁽¹⁾				
Turf Species	Lbs. Product/Acre	Lbs. a.i./Acre		
Creeping Bentgrass	330 lbs.	0.65 lb. 000		
Creeping Red Fescue	370 lbs.	0.75 lb.		
Buffalograss Kentucky Bluegrass	500 lbs.	1.00 lb. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Perennial Ryegrass	u	ς ς υ _μ ο		
Bermudagrass ⁽²⁾ Bahiagrass	750 lbs.	ວະອຸປ ະ50 lb. ເລີ ເລີ ເ		
Centipedegrass	и	00000		
Seashore Paspalum	11	ς ς, τ. , ς , ς ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε		
St. Augustinegrass Tall Fescue (including turf type)	•			

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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 260 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 750 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(3)

Chickweed, Common

Junglerice

Shepherd's Purse(2)

Chickweed, Mouseear (from seed)

Knotweed

Signalgrass, Broadleaf

Crabgrass (Large, Smooth)

Kochia

Speedwell, Persian

Crowfoot grass
Cupgrass, Wooly

Lambsquarter, common Lovegrass Sprangletop Spurge, Prostrate

Foxtails, Annual

Panicum (Texas, Fall, Browntop)

Witchgrass

Goosegrass⁽¹⁾

Pigweed

Woodsorrel, Yellow

(from seed)

(1) In many areas a single application of 330 to 750 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 330 to 500 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed those given in the <u>Maximum Annual Rate section</u>. Do not exceed the maximum rate for turf grass species listed in the <u>Maximum Annual Rate section</u>. (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 II	os./Acre	Months Before Overseeding		
Product	a.i./A	North	Transition	South
250	0.50	4	4	4
330	0.65	5	4	4
370	0.75	6	5	5
400	0.80	-	6	6
500	1.00	-	7	7
570	1.14	-] - !	9
650	1,30	-	- 1	10
750	1.50	_	_ 1	12

Application Directions

Apply uniformly with suitable, calibrated application equipment.

Spreader Recommendations

Spreader settings for 1000 sq. ft.	370 lbs. Product/A	500 lbs. Product/A	750 lbs. Product/A	
Scott's Evergreen 18"	XX	XX	XX	
Scott's Speedy Brdct.	XX	XX	XX	
Red Devil Broadcast	XX	XX	XX °	
Republic EZ Drop 18"	XX	XX	XX °°°	
Republic EZ Broadcast	XX	XX	XX	
Republic EZ Trctr.			€ 6.	
Brdct.	XX	XX	XX	

20100323.Final Label (PRN2007-1)

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® 20

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]..... 0.20% INERT INGREDIENTS: 99.80% 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

PA Reg. No. 8378-38

EPA Est. No. 8378-IN-1

NOTIFICATION

APR 1 5 2010

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GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N) Available Phosphoric Acid (P2O5)

Soluble Potash (K2O)

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

PRECAUTIONARY STATEMENTS

XX%

XX%

XX%

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. ငပ်**င**

ENVIRONMENTAL HAZARDS

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However patenneer trations 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 intertial areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do ັບວ 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: [20]

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your local solid waste agency for disposal fisting states. Never place unused product down any indoor or outdoor drain. <u>If product is spilled</u>, sweep up and use as per label instructions or dispose of as indicated above. <u>CONTAINER DISPOSAL</u>: 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 preemergence herbicide that provides residual control of many grass and broadleaf weeds in established 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 $\frac{1}{2}$ 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 for: (1) 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 and grounds. Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation systems. 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 granule spreader 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. It will not control established weed. 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 Rescuegrass(3) Johnsongrass (from seed) Carpetweed Shepherd's Purse(2) Junglerice Chickweed, Common Chickweed, Mouseear (from seed) Signalgrass, Broadleaf Knotweed Crabgrass (Large, Smooth) Kochia Speedwell, Persian Lambsquarter, common Sprangletop Crowfootgrass Lovegrass Spurge, Prostrate Cupgrass, Wooly

Foxtails, Annual Panicum (Texas, Fall, Browntop) Witchgrass
Goosegrass⁽¹⁾ Pigweed Woodsorrel, Yellow
(from seed)

(1) In many areas a single application of 330 to 750 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 330 to 500 lbs./A followed after 60 to 90 days by a second application at doses that would not exceed a total of 750 lbs. per acre. (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 rate of 750 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.

<u>Use Rates</u>

Apply at 7.57 to 17.20 lbs./1,000 sq. ft. (equiv. to 330 to 750 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 750 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 than 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. Tribation & rainfall soon after application will wash residues off plant foliage and activate it 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 cuffings form coots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

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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

Abies spp.

Abelia grandiflora Acer palmatum A. platanoides Achillea, sp.

Actinidia chinensis Agapanthus africanus Agapanthus orientalis Akebia quintata

Allium cernuum Anemone hybrida Aquilegia sp.

Arctostaphylos densiflora Arctotheca calendula

Artemesia sp. Aster sp.

Aster X Frikartii Athrium Filiz-femina Aucuba japonica Begonia sp.

Berberis gladwynensis

B. Julianae B. mentorensis B. thunbergii B. Verruculosa Bergenia cordifolia Boltonia asteroides

Bougainvillea spp. Buddleia davidii Buxus microphylla Callistemon viminalis Calluna vulgaris Campanula carpatica Campis X Tagliabuana

Carpobrotus edulis Cassia artemisoides Ceanothus rigidus

Ceratostigma plumbagonoides

Chamaecyparis pisifera Chrysanthemum nipponicum

Cleyera japonica Citrus spp. Coreopsis sp. Cornus florida C. stolonifera Cortaderia selloana Cotoneaster apiculatus

C. buxifolius C. dammeri C. microphyllus Cretaegus spp. Crocosmia sp.

Cupressus sempervirens

Delosperma alba

Common Name

Fir species** (Balsam, Fraser, Noble, etc.)

Abelia: Sherwood Japanese Maple Norway maple Yarrow: King Edward

Kiwi*

Lily-of-the-Nile (African Lily)

Five-Leaf or Chocolate vine Lady's Leek, Nodding Onion Japanese Anemone Aquilegia; Red and Gold

Vine Hill Manzanita Cape Weed

Wormwood; Silver Mound, Castle Aster: Bonny Blue, Purple Dome

Lady Fern; Fern Lady

Japanese Aucuba

Fibrous Begonia; Hardy Grandis

Barberry

Wintergreen Barberry

Mentor Barberry Japanese Barberry Warty Barberry

Snowbank Bougainvillea

Butterfly-bush (Dwarf Blue); Royal Red

Japanese Boxwood

Weeping Bottlebrush

Scotch Heather

Tussock Bellflower, (White Clips) Trumpet Creeper, Trumpet Flower, Madame Galen

Hottentot Fig (Ice Plant) Feathery Cassia

Wild Lilac

False Cypress

Cleyera

Citrus species*

Coreopsis (Calliopsis); Early Sunrise, Moonbeam

Flowering Dogwood American Dogwood Pampas Grass

Cranberry Cotoneaster Cotoneaster

Bearberry Cotoneaster Rockspray Cotoneaster Hawthorne

Lucifer **Italian Cypress**

White Trailing Ice Plant

20100323.Final Label (PRN2007-1)

Delosperma sp.

Cooperi Pink

Scientific Name
Delphinium sp.
Dianthus deltoides
D. gratianopolitanus
Dodonea viscosa
Echinacea pupurea
Elaeagnus pungens
Euonymus fortunei
E. japonica
E. kiautschovica
Fatsia japonica
Forsythia intermedia
Forysythia suspensa
F. viridissima
Gaillardia sp.
Gardenia jasminoides
Gaura sp.
Gentiana dahurica
Geranium cinereum
Gladiolus spp.
Gypsophila repens
Hedera helix
Hellanthemum 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 aplinum
Ligustrum sinense
Ligustrum amurense
L. japonicum L. lucidum
L. IUCIUUIII

Lillum sp.

Liriope muscari

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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
Gladious 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; Helleri
American Holly
Holly
Yaupon Holly; Schillings
         Sword-Leaved Iris; Jodlesona
Siberian Iris: Cabernet
Iris species**
Winter Jasmine
         Chinese Juniper; Nick's Compact, Parsonnii
         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
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Lily; Jazz

Glossy Privet (waxleaf)

Big Blue Lily; Turf; Silver Mound; Evergreen Giant

20100323.Final Label (PRN2007-1)

Liriope Muscari var. variegata

Liliope 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 heterphyllus

Osteopermum fruticosum

Oxydendrum arboreum

Paeonia suffruticosa

Pennisetum setaceumi

Perovskia atriplicifolia

Persea americana

Photnia fraseri

Physotegia Viginiana

Picea spp.

Pieris japonica

Pinus brutia

P. canariensis

P. elliottii

P. halepensis

P. nigra

P. palustrus

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

Raphiolepsis umbellata

Rhododendron

(including Azalea)

Liriope, Variegated

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

yeada Hawthor

'Coral Bells'

'Delaware Valley White'

'Flame Creeper'

'Formosa'

'Girard Crimson'

'George L. Tabor'

'Hino-crimson'

'PJM'

'Roseum Elegans'

Scientific Name

Common Name 'Wakeiebisu'

Rosa banksiae

'White Gumbo' Lady Bank's Rose

Rosmarinus officinalis

Rosemary*

Rudbeckia sp. Santolina, virens Black-eyed Susan; Goldstrum Santolina

Saxifraga sp. Scabiosa sp. Sedum album

Sedum cauticola

Saxifrage; Purple Dome Pincushion Flower Stonecrop

Sedum dasyphyllum Sedum spurium

Stonecrop; Lidakense

Spiraea Bumalda Syzygium paniculatum

Stonecrop Stonecrop; Dragon's Blood

Taxus cuspidata

Spirea: Anthony Waterer Australian Brushcherry

T. media Teucrium sp. Japanese Yew Yew

Thalictrum dipterocarpum

Germander Meadow Rue

Thuja occidentalis

American Arborvitae

Trachelospermum asiatum

Star Jasmine Canada Hemlock

Tsuga canadensis Tulipa spp. Veroniac sp.

Tulip species

Viburnum japonicum V. odoratissimum

Veronica, Speedwell; Sunny Border Japanese Viburnum

V. plicatum

Sweet Viburnum Japanese Snowball

V. rigidum V. suspensum Canary Island Viburnum

V. tinus V. trilobium Arrowood Viburnum Laurustinus

V. wrightii Vinca major Vinca minor

Cranberry Bush Leatherleaf Viburnum

Vitis sp. Weigela florida Yucca aloifolia Y. filamentosa

Greater Periwinkle, Vinca Common Periwinkle, Vinca

Grape*

Old Fashioned Weigela Spanish Bayonet, Yucca Adam's Needle, Yucca

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NET WEIGHT XX POUNDS

Knox Fertilizer Company, Inc.

P.O. Box 248 Knox, IN 46534

Batch No.

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^{*} Do not use on food producing trees, vines or plants.

^{**} Not for use on container grown plants.