

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Luz Chan Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327

JUL 3 0 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Ms. Chan:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated July 14, 2009 for:

EPA Registration 19713-615

Drexel Pendiguard Turf 0.86%

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 Nicole Williams of my staff at 703-308-5551.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs

Please read instructions	on n	averse before comple	ting form.			Form App	roved	. OMB No.	2070-006	O. Approvel expires 2-28-95
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			Application	on for l	⁵ esticio	le - Sect	ion	l		
1. Company/Product Nur 19713-615	nber				t	roduct Mane MPKINS	ager		\ 	posed Classification
4. Company/Product (Na DREXEL PENDIGU		D TURF 0.86%			PM# 25/He	rbicide Bra	ınch			
5. Name and Address of Drexel Chemical Compar P.O. Box 13327 Memphis, TN 38113-032	ny	licant <i>(Include ZIP Co</i>	de)		(b)(i), m to:		s sim	NOTIF	ical in co	
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Amendment - Exp Resubmission in I Notification - Exp	respo	onse to Agency letter	dated		- [Final printed Agency lette "Me Too" A Other - Expl	er dat pplica	ation.	e to	
Explanation: Use add Submission of revised la					ction II.)					
				Sect	ion - II	l		<u> </u>		
1. Material This Product	Will	Be Packaged In:					······			
Child-Resistant Packagin Yes ✓ No	g	Unit Packaging Yes No		V	Soluble Pa Yes No	ackaging		2. Type of	Metal Plastic Glass	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes Packag		No. per container		7	Paper Other (S	pecify) polywoven bag
3. Location of Net Conte	nts l	nformation	4. Size(s) Re				5. Lo	cation of Lat		ns
✓ Label	Co	ontainer		10, 25, 50, 2	.000 LBS.			On the l	abel ————	
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1. Contact Point <i>(Compl</i>	lete i	tems directly below f	or identification	on of indivi	dual to be	contacted, i	if nec	essery, to pr	ocess this	application.)
Name LUZ G CHAN				Title REGIST	RATION	MANAGER			Telephone (901) 774	No. (Include Area Code) -4370
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2. Signature Cuzla	?. G	2009.07.14 2009.07.14 2009.07.14	4 05'00'	3. Title REGISTI	RATION M	ANAGER			((((((((((((((((((((((((((((((((((((((
4. Typed Name				5. Date		1				(144
LUZ G CHAN					July	14, 2009	€			(((((((((((((((((((



July 14, 2009

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

Re: Submission of Revised Label per PR Notice 2007-4 by Notification DREXEL PENDIGUARD TURF 0.86% (EPA Reg. No. 19713-615)

Herewith:

- 1. Completed EPA Form 8570-1
- 2. One copy of the label (615SP-0709*) revised PR Notice 2007-4. The storage and disposal statements were adopted from Appendices A, B and C of PR Notice 2007-4.

The changes were highlighted for easy reference.

3. Certification Statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

Thank you.

Respectfully yours,
FOR DREXEL CHEMICAL COMPANY

Cug G. Chan Luz G Chan

Registration Manager

1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com

NOTIFICATION

JUL 3 0 2009



Pendiguard Turf 0.86% Preemergent Weed Control

0.86% Pendimethalin + XX-XX-XX Fertilizer

FOR USE ON TURFGRASSES, ORNAMENTAL PLANTINGS, AND GROUND COVERS AS LISTED.

ACTIVE INGREDIENT:

Pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2.6-dinitrobenzenamine..... OTHER INGREDIENTS: 99.14% TOTAL: 100.00% (50 pounds of this product contains 0.43 pound of the active ingredi-

ent, Pendimethalin)

XX-XX-XX

GUARANTEED ANALYSIS: Total Nitrogen (N)xx.xx% xx.xx% Ammoniacal Ntirogen xx.xx% Urea Nitrogen Available Phosphoric Acid (P2O5) xx.xx% Soluble Potash (K₂O)xx.xx% Sulfur (S), Free xx.xx% Derived from: (materials will vary with fertilizer blend) Chlorine (CI) Not More Than xx.xx%

KEEP OUT OF REACH OF CHILDREN CAUTION

See FIRST AID Below

EPA Reg. No. 19713-615 EPA Est. No. 19713-XX-XXX

Net Content:

FIRST AID

IF SWALLOWED:

- · Call a poison control center or doctor immediately for treatment
- · Have person sip a glass of water if able to swallow.
- · Do not induce vomiting unless told to do so by a poison control center or doctor.
- . Do not give anything by mouth to an unconscious or convulsing person.

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 IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20
- · Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- · Call a poison control center or doctor for treatment advice.

IF INHALED:

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

(Continued)

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC: 1-800-424-9300

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE): Some materials that are chemical-resistant to this product are any waterproof material (refer to Category A on an EPA chemical-resistance selection chart).

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective evewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

This labeling must be in possession of the applicator at the time of pesticide application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlars may be in the area during application. Keep children and pets out of the treated area until dusts have settled. For any requirements specific to your State or Tribe, consult the agency responsible for pesticióe reg-

> Manúrácjured By: **Drexel Chemical Company** P.O. BOX 13327, MEMPHIS, TN 38113-0327 SINCE 1972

> > 615SP-0709* PENDIGUARD TURF 0.86% Page 1 of 7

Do not apply this product in greenhouses, shadehouses or other enclosed structures. Not for use in commercial seed production. Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and Restricted Entry Interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 24 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

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

Failure to follow the directions for use and the precautions on this label may result in poor weed control, crop injury, or illegal residues.

USE INFORMATION

PENDIGUARD TURF 0.86% is a combination preemergent herbicide with fertilizer formulated to provide control of most annual grass weeds and certain broadleaf weeds found in Turfgrass grown in golf courses, lawns in residential, commercial establishments, or grounds around military or other institutions, sod farms, parks, airports, school or cemeteries, prairiegrass areas, athletic fields or recreational areas, road-sides, pipe yards, industrial, unimproved Turf areas, and other sites where Turf may be maintained. This product is labeled for use on the following Turfgrass species: Kentucky bluegrass, Perennial ryegrass, Fine fescue, Tall fescue, Bentgrass (except putting greens and tees), Poa annua (except putting greens and tees), Bermudagrass, St. Augustinegrass, Bahiagrass, Centipedegrass, Zoysiagrass, and blends of these grasses.

This product controls weeds as their seeds germinate, but will not control established weeds. Use a postemergent herbicide, such as 2,4-D or MSMA, to control established weeds. Consult all herbicide label directions for proper use and precautions.

Applied according to label directions and under normal growing conditions, this product will not cause Turf injury. Over application can result in Turf stand loss, Turf injury, or soil residues. Uneven application can decrease weed control or cause Turf injury.

Seedling diseases, cold weather, excessive moisture, high soil pH, soil salt concentration, or drought can weaken Turfgrass and increase the possibility of Turf damage from this product.

Unusually cold, excessively wet, or not and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

This product can be used around established Ornamentals and in established Wildflower plantings. This product may be used for hardwood and conifer regeneration on conservation reserve program land.

APPLICATION

Apply this product uniformly at the listed rate using a properly calibrated spreader (see table below for approximate settings). Avoid overlaps that will increase rates above those listed. The efficacy of this product will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. This will remove the product from the Turfgrass foliage and establish a preemergent herbicide barrier in the soil. If this product is not activated by rainfall or irrigation within 30 days of application, erratic weed control may result. Avoid contact of this product with porous surfaces such as driveways, stone, or wood. Removing particles will help prevent staining.

This product provides preemergence control of the weed species listed. Applications can be made around and over the top of the Ornamentals and to the sites listed on this label.

Use Site This Produc	t/A This Product/	
(Lbs.)	1,000 sq. ft. (Lbs.)	Pounds a.i./A
Residential* and Sod farm turf 233	5.3	2.0
Golf course, Commercial and other Non-residential	8.0	3.0

parks and playgrounds.

TABLE OF EQUIVALENTS:

This Product Per Acre (Lbs.)	This Product Per 1,000 Sq. Ft. (Lbs.)
116	2.6
175	4.0
233	5.3
349	8.0

GRASS WEEDS				
Common Name	Scientific Name			
Barnyardgrass	Echinochloa crus-galli			
Bluegrass, Annual	Poa annua			
Crabgrass	Digitaria spp.			
Crowfootgrass	Dactyloctenium aegyptium			
Foxtail, Giant	Setaria faberi			
Foxtail, Green	Setaria viridis			
Foxtail, Yellow	Setaria glauca			
Goosegrass	Eleusine indica			
Itchgrass	Rottboellia exaltata			
Johnsongrass (from seed)	Sorghum halepense			
Junglerice	Echinochloa colona			
Lovegrass (from seed)	Eragrostis spp.			
Panicum, Browntop	Panicum fasciculatum			
Panicum, Fall	Panicum dichotomiflorum			
Panicum, Texas	Panicum texanum			
Sandbur, Field	Cenchrus incertus			
Signalgrass	Brachiaria platyphylla			
Sprangletop, Mexican	Leptochloa uninervia			
Sprangletop, Red	Leptochloa filiformis			
Witchgrass	Panicum capillare			
Woolly Cupgrass	Erochloa villosa			

Troony Supgrass	2.00.700 777000			
BROADLEAVED WEEDS				
Common Name	Scientific Name			
Burweed, Lawn	Soliva pterospenna			
Carpetweed	Mollugo verticillata			
Chickweed, Common	Stellaria media			
Chickweed, Mouseear	Cerastium vulgatum			
Clover, Hop	Tnfolium procumbens			
Cudweed	Gnaphalium spp.			
Evening primrose	Oenothera biennis			
Fiddleneck	Amsinckia intermedia			
Filaree	Erodium spp.			
Henbit	Lamium amplexicaule			
Knotweed, prostrate	Polygonum aviculare			
Kochia	Kochia scoparia			
Lambsquarters	Chenopodium album			
Pigweed	Amerantous spp.			
Puncturevine	Tribulus tərrəstris			
Purslane	Portulaca oleracea			
Pusley, Florida	Rickarçia Scabra			
Rocket, London	Sisymb.iumှGrio			
Shepherdspurse	Capsella bursa-pastoris			
Smartweed, Pennsylvania	Polýgoi น์เก่ pensylvanicum ั			
Speedwell, Corn	Veronica arvensis			
Spurge, Annual	Euphorbia spp.			
Spurge, Prostrate	Euphorbia numistrata coco			
Woodsorrel, Yellow	Oxalis stricta			
Velvetleaf (Buttonweed)	Abutilon theophrastic			

TURFGRASSES

(Residential, Golf course, Commercial, Other Non-residential

Turfgrass Uses) For Preemergence Weed Control					
TURFGRASS SPECIES	WEEDS CONTROLLED	APPLICATION RATES*	COMMENTS		
Cool Season Grasses Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	Crabgrass Foxtail Poa annua Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Evening primrose Hop clover	All Turf Uses: 175 to 233 pounds per acre as the initial application prior to weed germination in the Spring.	Apply a repeat application of 116 to 175 pounds per acre after 5 to 8 weeks for extended control or where heavy weed infestations are expected.		
	Goosegrass	Residential** and Sod Turf Uses Only: 175 to 233 pounds per acre in the Spring prior to weed germination.	Apply a repeat application of 116 pounds per acre after 5 to 8 weeks if the lower rate was used initially or for extended Goosegrass control.		
	Goosegrass	Golf course, Commercial, Non-residen- tial Turf Uses Only: 175 to 349 pounds per acre in the Spring prior to weed germination.	Apply a repeat application of 116 pounds per acre after 5 to 8 weeks if the lower rate was used initially or for extended Goosegrass control.		
	Cudweed Poa annua Chickweed Lawn burweed Henbit Corn speedwell	All Turf Uses: 175 to 233 pounds per acre.	Apply in late Summer or early Fall prior to weed germination. Apply a repeat application of 175 to 233 pounds per acre after 5 to 8 weeks for extended Poa annua control.		
Bentgrass or established Poa annua*** (one-half inch height or taller. Not for use on greens and tees.)	Crabgrass Foxtail Poa annua Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Evening primrose Hop clover	All Turf Uses (Non-Greens and Tees): 175 pounds per acre in the Spring prior to weed germination.	Apply a repeat application of 116 to 175 pounds per acre after 5 to 8 weeks where heavy weed infestations are expected. (Continued)		

TURFGRASS	WEEDS	APPLICATION	COMMENTS
Bentgrass or established Poa annua*** (one-half inch height or taller. Not for use on greens and tees.) (Cont.)	Goosegrass	RATES* All Turf Uses (Non-Greens and Tees): 175 pounds per acre.	Apply in the Spring prior to weed germination. Apply a repeat application of 175 pounds per acre after 5 to 8 weeks for extended
	Cudweed Poa annua Chickweed Lawn burweed Henbit Corn speedwell	All Turf Uses (Non-Greens and Tees): 175 to 233 pounds per acre.	control. Apply in late Summer or early Fall prior to weed germination.
Warm Season Grasses Bermuda- grass St. Augustine- grass Bahiagrass Centipede- grass Zoysiagrass Tall fescue Buffalograss	Crabgrass Foxtail Poa annua Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Evening primrose Hop clover	Residential and Sod Farm Turf Uses Only: 175 to 233 pounds per acre prior to weed germination in the Spring. Golf course, Commercial and Other Non-Residential Turf Uses Only: 175 to 349 pounds per acre in the Spring prior to weed germination.	Apply a repeat application of 116 to 175 pounds per acre after 5 to 8 weeks if necessary.
	Goosegrass	All Turf Uses (Non-Greens and Tees): 175 pounds per acre prior to weed germination in the Spring.	An additional application of 175 pounds per acre may be applied for extended Goosegrass control 8 weeks after the second application. Apply a repeat application of 175 to 233 pounds per acre after 5 to 8 weeks.
	Cudweed Henbit Poa annua Chickweed Lawn burweed Corn speedwell	All Turf Uses: 175 to 233 pounds per acre.	Apply in late Summer or early Fall prior to weed germination. Apply'a repeat application of 175 to 233 pounds per acre after 5 to 8 weeks for extended Poe critical control. (Coftinued)

- DO NOT exceed a maximum rate of 233 pounds per acre per application for use on Residential Turfgrass and Sod farm Turfgrass.
- **DO NOT** exceed a maximum rate of 349 pounds per acre per application for use on Golf course, Turfgrass, Commercial or other Non-residential Turfgrass.
- ** Residential is defined as Turf in any residential situation as well as home lawns, schools, parks and playgrounds.
- *** Not for use on Bentgrass or Poa annua greens or tees.

USE PRECAUTIONS

- · Avoid application when wind conditions may cause drift.
- Use on well established Turfgrass with a dense and uniform stand.
 On newly planted areas, applications should not be made until the Turfgrass has filled in and has been mowed at least four times. On Turf that has been thinned or damaged due to Winter injury, excessive moisture, etc., allow for Turf recovery prior to making an application.
- Applications made to overseeded warm-season Turfgrasses may cause thinning or injury of the overseeded species.
- Do not use on Bentgrass or *Poa annua* greens and tees or injury may occur.
- Delay reseeding or Winter overseeding of treated Turfgrass for at least three (3) months following the last application of this product.
 Delay sprigging Turfgrass for five (5) months after application.

INDUSTRIAL (UNIMPROVED) TURF

Industrial, or unimproved Turf areas often have a different spectrum of weeds to be controlled than those found in fine Turf as described elsewhere in this label. This product will control Annual grasses and Broadleaved weeds mentioned in that section of this label as well as the following weeds that might germinate in established grasses in rights-of-way, roadsides, construction sites, parks, substations, lots, or similar areas:

Crowfootgrass, Itchgrass, Johnsongrass (from seed), Junglerice, Lovegrass (from seed), Browntop Panicum, Texas Panicum, Field Sandbur, Signalgrass, Mexican Sprangletop, Red Sprangletop, Witchgrass, Woolly Cupgrass, Carpetweed, Fiddleneck, Filaree, Kochia, Lambsquarters, Pigweed, Puncturevine, Florida Pusley, London Rocket, Shepherdspurse, Pennsylvania Smartweed, Annual Spurge, and Velvetleaf. Apply before weeds germinate. A postemergence herbicide such as 2,4-D, MSMA, or similar product is recommended to control established weeds.

LANDSCAPE AND GROUNDS MAINTENANCE

This product can be incorporated into landscape and ground maintenance programs to provide extended preemergence control of most annual grasses and certain broadleaved weeds. Areas to be treated include but are limited to established trees or Ornamentals in the landscape or in mulch beds; or, other commercially maintained landscape areas such as borders, around statuary or monuments in parks or in parking areas. If emerged weeds are present at time of application, either shallow cultivate to destroy existing weeds or, where practical, remove by hand, or apply a postemergence product labeled for such use prior to an application of this product. This product may be used before or after applications of herbicides registered for postemergence use (i.e., Glyphosate) for the control of established weeds. Do not apply sprays containing Glyphosate over the top of desirable plants, and follow the label restrictions. A treatment of this product may be followed by any registered herbicide to control weeds not listed on this product's label.

ORNAMENTAL BULBS

This product may be applied for control of susceptible annual weeds in Ornamental bulbs listed on the label (Crocus, Daffodil (Narcissus), Gladiolus, Tulip, etc.). Apply this product prior to, during or after bulb emergence. If weeds have already germinated use a labeled postemergence herbicide to control emerged weeds.

WILDFLOWERS

This product herbicide may be applied for control of susceptible annual weeds in plantings of wildflowers listed on the label (Black-eyed Susan, California Poppy, Coreopsis, Oxeye Daisy, etc.). This product may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed apply this product after wildflowers have emerged but prior to weed germination. If weeds have already germinated, use a labeled postemergence product to control emerged weeds.

Due to the diversity of species and varieties which exist in areas where wildflowers are grown, the response to this product may vary greatly. Careful testing on desirable species is recommended to determine if area-wide applications can be made.

ORNAMENTAL PLANTINGS AND GROUND COVER

Use Precautions

Apply this product to established plantings. May be applied around and over the top of established plants listed below. Care must be taken that soil or planting mixes have settled firmly following transplanting and that there are no cracks that would allow direct contact of this product with roots. Applications where soil and media surfaces are uniformly covered will result in best weed control and Ornamental tolerance. Plant only those desirable plant species listed on this label into soil treated the previous season with any Pendimethalin containing product or injury may occur.

oroduct or injury may occur. TREES				
	Scientific Name			
Common Name				
Alder, European Black	Alnus glutinosa			
Apple	Malus spp.			
Arborvitae, American	Thuja occidentalis			
Arbutus	Arbutus spp.			
Ash, Red	Fraxinus pennsylvanica			
Ash, White Aspen, Bigtooth	Fraxinus americana Populus grandidentata			
Aspen, Biglootii Aspen, Quaking	Populus tremuloides			
Basswood	Tilia spp.			
Birch, European Weeping	Betula pendula			
Birch, River	Betula nigra			
Buckeye, Red	Aesculus pavia			
Cedar, White	Thuja occidentails			
Chamaecyparis, Boulevard	Chamaecyparis pisifera			
Cherry, Black	Prunus serotina			
Cherry, Choke	Prunus virginiana			
Cherry, Kwanzan	Prunus serrulata			
Cherry, Nanking	Prunus tomentosa			
Cottonwood	Popuius deltoides			
Crabapple	Malus spp.			
Crepe Myrtle	Lagerstroemia indica			
Cryptomeria, Japanese Cedar	Cryptomeria japonica			
Cypress, Bald	Taxodium distichum			
Cypress, Leyland	Cupressocyparis leylandii			
Dogwood, Flowering	Cornus florida			
Dogwood, Korean	Cornus kousa			
Dogwood, Silky	Cornus amomum			
Dogwood, Shrub	Cornus spp.			
Elm	Ulmus japonica			
Fir, Balsam	Abies balsamae			
Fir, Douglas	Pseudotsuga menziesii			
Fir, Fraser Fir, White	Abies fraseri Abies concolor			
Franklinia	Franklinia spp.			
Ginkgo	Ginkgo biloba			
Gum, Black	Nyssa sylvatica			
Gum, Sour	Nyssa sylvatica			
Haw, Black	Viburnum prunifolium			
Hawthorn	Crataegus spp.			
Hemlock, Canada	Tsuga canadensis			
Hemlock, Eastern	Tsuga canadensis			
Holly, American	llex opaca			
Honeylocust	Gleditsia triacanthos			
Lilac, Common	Syringa vulgaris			
Lilac, Japanese Tree	Syringa reticulata			
Linden	Tilia spp.			
Magnolia, Saucer	Magnolia soulangiana			
Magnolia, Southern	Magnolia grandiflora			
Magnolia, Star	Magnolia stellata			
Maidenhair Tree	Ginkgo biloba			
Maple, Paper-bark	Acer griseum			
Maple, Norway	Acer platanoides			
Maple, Japanese	Acerpairiatum			
Maple, Red	Acer sarcharum			
Maple, Sugar				
Nannyberry, Rusty	Viburnúm rulidulum (()			
Oak, Chinquapin Oak, Live	Quercus virginiana			
Out, Live	(0 - 1)			
	cccc (Continued)			

TREES				
Common Name	Scientific Name			
Oak, Pin	Quercus palustris			
Oak, Pill Oak, Red	1			
Oak, Ned Oak, Swamp Chestnut	Quercus rubra Quercus michauxii			
Oak, Water Oak, White	Quercus nigra			
Oak, Willow	Quercus alba			
	Quercus phellos			
Olive	Olea europaea			
Palm, Date	Phoenix spp.			
Palm, Fan	Washingtonia spp.			
Palm, Pindo	Butia spp.			
Palm, Washington	Washingtonia spp.			
Peach	Prunus persica			
Pear, Bradford	Pyrus calleryana 'Bradford'			
Pecan	Carya illinoensis			
Pine, Austrian	Pinus nigra			
Pine, Italian Stone	Pinus pinea			
Pine, Loblolly	Pinus taeda			
Pine, Monterey	Pinus radiata			
Pine, Red	Pinus resinosa			
Pine, Scotch	Pinus sylvestris			
Pine, Virginia	Pinus virginiana			
Pine White	Pinus strobus			
Plum, Purple Leaf	Prunus cerasifera			
Poplar, Black	Populus nigra			
Redcedar, Eastern	Juniperus virginiana			
Redcedar, Western	Thuja plicata			
Red Ironbark	Eucalyptus sideroxylon 'Rosea'			
Redwood, Dawn	Metasequoia glyptostroboides			
Sequoia, Giant	Sequoiadendron giganteum			
Serviceberry	Arnelanchier laevis			
Sourwood	Oxydendrum arboreum			
Spruce, Colorado Blue	Picea pungens			
Spruce, Dwarf Alberta	Picea glauca 'albertiana'			
Spruce, Norway	Picea abies			
Spruce, White	Picea glauca			
Sweetgum	Liquidambar styraciflua			
Sycamore	Plantanus occidentalis			
Trachycarpus	Trachycarpus spp.			
Tulip tree	Liriodendron tulipifera			
Walnut, Black	Juglans nigra			
Willow, Weeping	Salix babylonica			
Yellowwood	Cladrastis lutea			

SHRUBS			
Common Name	Scientific Name		
Abelia, Glossy	Abelia grandiflora		
Aucuba, Gold	Aucuba japonica		
Azalea	Rhododendron spp.		
Bamboo, Heavenly	Nandina domestica		
Barberry	Berberis gladwynesis		
Barberry, Japanese	Berberis thunbergii		
Blue Indigo Bush	Dalea gregii		
Bottlebrush, Lemon	Callistemon citrinus		
Boxwood, Common	Buxus sempervirens		
Boxwood, Japanese	Buxus microphylla		
Brittlebush	Encelia farinosa		
Buttonbush	Cephalanthus occidentalis		
Camellia	Camellia japonica		
Cape Jasmine	Gardenia jasminoides		
Cassia, Feathery	Cassia artemisioides		
Cordyline	Cordyline spp.		
Correa	Correa spp.		
Cotoneaster	Cotoneaster apiculatus		
Cotoneaster, Bearberry	Cotoneaster dammeri		
Cotoneaster, Rock	Cotoneaster horizontalis		
Cypress, Italian	Cupressus sempervirens		
Cypress, Leyland	Cupressocyparis leylandii		
Deutzia, Slender	Deutzia gracilis		
Dogwood, Red Twig	Cornus sericea		
Elaeagnus	Elaeagnus ebbingei		
Escallonia	Escallonia fradesii		
Euonymus	Euonymus fortunei		
Euonymus, Golden	Euonymus japonica		
	(Continued)		

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Common Name	Scientific Name		
Euonymus, Winged	Euonymus alata		
Firethorn Forsythia, Border	Pyracantha coccinea Forsythia intermedia		
Fragrant Olive	Osmanthus fragrans		
Fuschia, California	Zauschineria californica		
Gardenia	Gardenia jasminoides		
Hawthorne, Indian	Raphiolepis indica		
Hibiscus	Hibiscus syriacus		
Holly, Chinese Holly, Japanese	llex cornuta Ilex crenata		
Holly, Fosters	llex attenuata 'Fosteri'		
Holly, Savannah	Ilex attenuata		
Holly, Yaupon	Ilex vomitoria		
Honeysuckle, Bush	Diervilla lonicera		
Hopseed Bush	Dodonaea viscosa		
Hopbush	Dodonaea viscosa		
Hydrangea Juniper	Hydrangea macrophylla Juniperus spp.		
Juniper, Chinese	Juniperus chinesis v. pfitzer		
Juniper, Shore	Juniperus conferta		
Juniper, Trailing	Juniperus horizontalis		
Laurel, Cherry	Prunus laurocerasus		
Laurel, Mountain	Kalmia latifolia		
Laurel, Otto Luyken Laurel, Schipka	Prunus laurocerasus Prunus schipkanesis		
Laurustinus	Viburnum tinus		
Lavender, English	Lavandula angustifolia		
Leucothoe	Leucothoe fontanesiana		
Leucothoe, Coast	Leucothoe axillaris		
Lilac, Cut-leaf	Syringa laciniata		
Lily-of-the-Nile Mahonia	Agapanthus africanus Mahonia aguifolium		
Mock Orange	Pittosporum tobira		
Myrtle, Compact	Myrtus communis		
Myrtle, Wax	Myrica cerifera		
Nandina	Nandina domestica		
Oleander	Nerium oleander		
Oregon Grape Osmanthus	Mahonia aquifolium Osmanthus fragrans		
Palm, European Fan	Chamaerops humilis		
Palm, Mediterranean Fan	Chamaerops spp.		
Phlox, Prickly	Leptodactylon californicum		
Photinia, Fraser	Photinia x Fraseri		
Pieris, Japanese	Pieris japonica		
Pine, Mugo Plum, Natal	Pinus mugo Carissa grandiflora		
Privet, California	Ligustrum ovalifolium		
Privet, Glossy	Ligustrum lucidum		
Privet, Variegated	Ligustrum sinensis		
Privet, Waxleaf	Ligustrum japonicum		
Pyracantha	Pyracantha coccinea		
Quince, Flowering Ranger, Texas	Chaenomeles japonica Leucophyllum frutescens		
Redroot	Ceanothus spp.		
Rhododendron	Rhododendron spp.		
Robira	Pittosporum tobira		
Rose	Rosa spp.		
Spice Plant	Illicium parviflorum		
Spiraea Anthony Waterer	Spiraea vanhouttei		
Spiraea, Anthony Waterer Spiraea, Japanese	Spiraea x bumalda Spiraea joponica		
Sweet Bay	Laurus pobilis		
Trumpet Bush	Teceme stons		
Verbena, Lemon	Aloysia triphylla		
Viburnum	Viburnum süspensum 🧠 🦠		
Vitex	Vites upp. Cl		
Weigela Wild Lilac	Weigela florida Ceanothus spp.		
Wisteria	Ceanotrius spp.		
	(Continued)		

SHRUBS				
Common Name	Scientific Name			
Xylosma	Xylosma congestum			
Yellowbells	Tecoma stans			
Yew	Taxus media			
Yew, Japanese	Taxus cuspidata			
Yew, Southern	Podocarpus macrophyllus			
Yucca, Adam's Needle	Yucca filamentosa			
Yucca, Weeping	Yucca pendula			

Common Name Ajuga	GROUND COVERS		
Baby Sun Rose Beach Strawberry Capeweed Cinquefoil, Spring Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Aptenia cordifolia Fragaria chiloensis Arctotheca calendula Potentilla verna Baccharis pitularis Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Beach Strawberry Capeweed Cinquefoil, Spring Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Fragaria chiloensis Arctotheca calendula Potentilla verna Baccharis pitularis Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Capeweed Cinquefoil, Spring Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Arctotheca calendula Potentilla verna Baccharis pitularis Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Cinquefoil, Spring Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Potentilla verna Baccharis pitularis Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Baccharis pitularis Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Daisy, Trailing African Dymondia Gazania Iceplant, Large Leaf Osteospermum frutico Dymondia margaretae Gazania splendens Carpobrotus edulis			
Dymondia Dymondia margaretae Gazania Gazania splendens Iceplant, Large Leaf Carpobrotus edulis			
Gazania Gazania splendens Iceplant, Large Leaf Carpobrotus edulis	osum		
Iceplant, Large Leaf Carpobrotus edulis	9		
, , ,			
Ivv. English Hedera helix			
1 2, 0			
Ivy, Geranium Pelargonium peltatum	7		
Jasmine, Asiatic Trachelospermum asi	aticum		
Jasmine, Primrose Jasminum mesnyi			
Jessamine, Carolina Gelsemium sempervii	rens		
Manzanita, Bearberry Arctostaphylos uva-ui	rsi		
Miscanthus Miscanthus spp.			
Mondograss Ophiopogon japonica			
Morninglory Convolvulus spp.			
Myoporum parvifloliur	n		
Pachysandra Pachysandra termina	lis		
Potentilla Potentilla fruticosa			
Periwinkle, Common Vinca minor			
Red Apple Aptenia cordifolia			
Rosemary Rosemarinus officinal	is		
Rose-Of-Sharon Hypericum calycinum			
Sand Strawberry Fragaria chiloensis			
Sedum Sedum spurium			
St. Johnswort, Creeping Hypericum calycinum			
Stonecrop Sedum spurium			
Verbena, Peruvian Verbena peruviana			
Vervain Verbena peruviana			
Vetch, Crown Vicia sativa			
Vinca or Greater Periwinkle Vinca major			
Wintercreeper Euonymous fortunei			

PERENNIALS		
Common Name	Scientific Name	
Acacia	Acacia redolens	
Asparagus	Asparagus spp.	
Aster, New York	Aster novi-belgii	
Aster, Stokes	Stokesia laevis	
Astilibe (False Spirea)	Astibe spp.	
Babys Breath	Gypsophila elegans	
Beard-Tongue	Penstemon spp.	
Beliflower	Campanula spp.	
Bird of Paradise	Caesalpinia pulcherrima	
Black-eyed Susan	Rudbeckia hirta	
Blanket Flower	Gaillardia x grandiflora	
Bleeding Heart	Dicentra spectabilis	
Butterfly Weed	Asclepias tuberosa	
California Poppy	Eschscholzia california	
Calla Lily	Zantedeschia aethiopica	
Canna, Common Garden	Canna generalis 'Lucifer'	
Carex	Carex spp.	
Cast Iron Plant	Aspidistra elatior	
Chincherinchee	Ornithogalum thyrsoides	
Clover, Crimson	Trifolium incarnatum	
Columbine	Aquilegia 'McKana Giant'	
Coreopsis	Coreopsis lanceolata	
Crinum Lily	Crinum spp.	
	(Continued)	

PERENNIALS		
Scientific Name		
Crocus spp.		
Narcissus spp.		
Hemerocallis spp.		
Physostegia virginiana		
Calliandra eriophylla		
Asparagus officinalis		
Asparagus virgatus		
Nephrolepis exaltata		
Rumohra adiantiformis		
Moraea spp.		
Digitalis purpurea		
Freesia x hybrida		
Zauschneria californica		
Liatris spp.		
Gaillardia pulchella		
Geum spp.		
Gladiolus spp.		
Calluna vulgaris		
Hosta spp.		
Agastache rupestris		
Gaillardia pulchella		
Lantana montevidensis		
Doronicum cordatum		
Lilium spp.		
Liriope muscari		
Liriope spicata		
Liriope muscari		
Lysimachia punctata		
Coreopsis verticillata		
Crocosmia crocosmiiflora		
Solanum spp.		
Acidanthera bicolor		
Chrysanthemum leucanthemum		
Paeonia lactiflora		
Echinacea purpurea		
Lythrum virgatum		
Rosmarinus officinalis		
Ruscus hypophyllum		
Perovskia atriplicifolia		
Carex spp.		
Chrysanthemum x superbum		
Acorus calamus		
Coreopsis lanceolata		
Lupinus texenis		
Tulipa spp.		
Diasciascia barbaerae		
Ornithogalum thyrsoides		
COMMOGRANIS INVISURGES		
Achillea millefolium Zephyranthes spp.		

ORNAMENTAL GRASSES		
Common Name	Scientific Name	
Beach Grass	Ammophila breviligulata	
Fescue, Blue	Festuca ovina	
Fescue, Sheep	Festuca ovina	
Fountain Grass	Pennisetum setaceum	
Pampas Grass	Cortaderia selloana	
Reed Canary Grass	Phalaris arundinacea	
Reed, Giant	Arundo spp.	
Ribbon Grass	Phalaris arundinacea	

Tufted Hair Grass

BEDDING PLANTS*		
Common Name	Scientific Name	
Ageratum	Ageratum houstonianum	
Alyssum	Alyssum saxatile	
Anemone, Poppy-flowered	Anemone coronaria	
Artemesia	Artemesia spp.	
Balloonflower	Platycodon grandiflorum	
Begonia	Begonia spp.	
Cabbage, Ornamental	Brassica olereacea	
Caladium	Caladium spp.	
China Aster	Callistephus chinensis	
Crocosmia, Montebretia	Crocosmia x crocosmiiflora	
Dahlia	Dahlia spp.	
Dianthus	Dianthus barbatus	
Dusty Miller	Senecio cineraria	
Gazania, Treasure Flower	Gazania rigens	
Gazania, Trailing	Gazania rigens leucolaena	
Geranium	Geranium spp.	
Gloxinia	Gloxinia simningia	
Impatiens	Impatiens spp.	
Kale, Ornamental	Brassica napus	
Marigold, African	Tagetes erecta	
Moss Rose	Portulaca grandiflora	
Mum, Garden	Chrysanthemum spp.	
Pansy, Garden	Viola x Wittrockiana	
Periwinkle, Rose	Catharanthus roseus or Vinca rosea	
Petunia	Petunia spp.	
Plumosa Cockscomb	Celosia cristata	
Portulaca	Portulaca grandiflora	
Salvia	Salvia splendens	
Snapdragon	Antirrhinum majus	
Statice	Limonium spp.	
Sweet William	Dianthus barbatus	
Vinca or Periwinkle	Catharanthus roseus	
Zinnia	Zinnia spp.	

This product may be used on plant species not listed on this label. The suitability for such uses should be determined by treating a small number of such plants at the listed rate. Treated plants should be evaluated for possible injury 1 to 2 months following treatment. To the extent consistent with applicable law, the User assumes responsibility for any crop damage or other liability when this product is used on plant species not listed on this label. Do not treat plants grown for food or feed. Do not use treated plants for food or feed.

be watered sufficiently to pack soil around roots

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited. Do not reuse empty containers.

PESTICIDE STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing. Do not store above 120°F. PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container, Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple (Continued)

STORAGE AND DISPOSAL (Cont.)

rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For Residential/Household Use:

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. If empty, place in trash or offer for recycling if available. If partially filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

NOTIFICATION
JUL 3 0 2009

