

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

APR 1 0 2009

Robert F. Bischoff, Agent for Harrell's LLC TotalTurf Consulting 26 A. A. Cooper Rd. Meigs, GA 31765.

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Mr. Bischoff,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated March 3, 2009 for the following products:

Fertilizer with Starteem [®] # 1	EPA Registration Number 52287-10
Fertilizer with Starteem® #3	EPA Registration Number 52287-12
Weed-Free One Eleven	EPA Registration Number 52287-13
Turf Fertilizer with Ronstar 1.20	EPA Registration Number 52287-14
Harrell's Granular Herbicide 75	EPA Registration Number 52287-15
Harrell's Granular Herbicide 63	EPA Registration Number 52287-16
Turf Fertilizer with Pendimethalin 0.75	EPA Registration Number 52287-17
Turf Fertilizer with Pendimethalin 1.0	EPA Registration Number 52287-18
Turf Fertilizer with Barricade 0.38	EPA Registration Number 52287-19
Turf Fertilizer with Barricade 0.3	EPA Registration Number 52287-20

The Registration Division (RD) has conducted its review of these requests for their applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The labels submitted with the application have been 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 call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Please read instructions	on reverse before comple	ting form.			Form Ac	proved	I. OMB No.	2070-006	0. Approval expires 2-29
\$EPA	Environmenta	Inited States i Protection ington, DC 20	_	ncy		✓	Registra Amend Other		OPP Identifier Number
		Application	on for f	Pesticid	e - Sec	tion	1		
1. Company/Product Nun 52287-17	nber			2. EPA Pr Jim Ton		nager		3. Pr	oposed Classification
4. Company/Product (Name) Turf Fertilizer with Pendimethalin 0.75		PM# 25		The Later of the state of the s					
5. Name and Address of	Applicant (Include ZIP Co	de)		6. Expe	dited Re	veiw.	In accord	ance with	FIFRA Section 3(c)(3)
Harrell's LLC P. O. Box 807 Lakeland, FL 3380				to: EPA Re	g. No	N/A	N	ntical in co OTIFICA APR 10	
Check II	this is a new address				t Name			AFR 10	7003
			Sec	tion - II					
Notification - Expl Explanation: Use addi Notification of label change regulations at 40 CFR Para of Formula for this product the amended label is not	tional page(s) if necessar ge per PR Notice 2007-4. ints 156.10, 156.140, 156.1 ct. I understand that it is a	y. (For section This notification 44, 156.146, a violation of 18 ments of 40 CF	n is consiste nd 156.156 U.S.C. Sec FR Parts 15	ent with the . No other c. 1001 to wi 6.10, 156.1	changes had the lifully make 40, 156.14	plain bein PR Nave bee any fa.4, 156.	elow. lotice 2007-4 en made to the	ne labeling on the EPA. I	or the Confidential Stateme
			Sect	ion - III					
1. Material This Product Child-Resistant Packaging Yes No Certification must be submitted	Unit Packaging Yes √ No	No. per container	Water :		No. per		2. Type of	Metal Plastic Glass Paper Other (S	Specify)
3. Location of Net Conte	nts Information	4. Size(s) Re	tail Contair	ner l	·	5. Lo	cation of La	bel Direction	ons
[✓ Label	Container		50 1	bs			on affix	ed label	
6. Manner in Which Labe	l is Affixed to Product	Lithog Paper Stend	graph glued :iled		Oth	er			
			Sect	ion - IV					
1. Contact Point (Compl	ete items directly below t	or identificetic	on of indivi	dual to be	contacted	, if nec	essary, to p	rocess this	application.)
Name Robert F. Bischoff			Title Agent, T	otalTurf C	onsulting	LLC		, ,	B No. (Include Area Code)
	atements I have made on any knowlinglly false or ole law.		I all attach				imprisonme		6. Date Application Received (Stamped)

3. Title

5. Date

Agent, TotalTurf Consulting LLC

March 3, 2009

2. Signature

4. Typed Name

Robert F. Bischoff

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

Direct: 843-384-2807

Fax: 229-683-3426

E-Mail: rbcooper@juno.com

March 3, 2009

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: Turf Fertilizer with Pendimethalin 0.75

EPA Reg. No. 52287-17

Notification to Comply with PR Notice 2007-4

Dear Ms. Arrington:

In response to PR Notice 2007-4 concerning container reuse and related container label statements for pesticide products, labeling for the subject product has been revised to comply with this Notice. The revised label is being submitted by notification on behalf of Harrell's LLC, P. O. Box 807, Lakeland, FL 33802 by TotalTurf Consulting LLC, an authorized agent for Harrell's LLC.

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 20090303. Final Label)

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

Sincerely,

Robert F. Bischoff

Agent

TotalTurf Consulting LLC 26 A. A. Cooper Road

Meigs, GA 31765





TURF FERTILIZER WITH PENDIMETHALIN 0.75 Preemergent Weed Control

FOR USE ON TURFGRASSES AND ESTABLISHED ORNAMENTALS IN THE LANDSCAPE

ACTIVE INGREDIENT:	
pendimethalin, N-(1-ethylpropyl)-3,4-dimethyl-2, 6-dinitrobenzenamine 0.75%	
INERT INGREDIENTS99.25%	
TOTAL	
EPA Reg. No. 52287-17	EPA Est. No. 52287-FL-1

GUARANTEED FERTILIZER ANALYSIS			
Total Nitrogen (N)	Variable %		
Available Phosphoric Acid (P2O5)	Variable %		
Soluble Potash (K2O)	Variable %		

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCION!

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

Have the product container or label with you when calling a poison control center or doctor, or for going for treatment.

In case of emergency endangering life or property involving this product, call day or night 1-800-424-9300.

See Inside Leaflet For Additional Precautionary Statements and Directions For Use.

NOTIFICATION

APR 1 0 2009



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	FIRST AID
If swallowed	 Call a poison control center or doctor immediately for treatment advice. Have a 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 person.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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 15-20 minutes. Remove contact lense, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for advice.
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for advice.

HOT TIME NOMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC 1-800-424-9300 for emergency medical treatment information.

Precautionary Statements

Hazards to Humans and Domestic Animals **CAUTION**

Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing mist. Avoid breathing dust.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- Chemical resistant gloves, made of waterproof materials, such as butyl rubber >14 mils, nitrile rubber >14 milis, or neoprene rubber >14 mils itice
- · Shoes plus socks
- · Protective eyewear

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

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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, 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 aquatic sites. DO NOT contaminate water when disposing of equipment washwaters.

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 the possession of the user at time of pesticide application.

Harrell's Inc. does not recommend or authorize the use of this product in manufacturing, processing or preparing custom blends with other products for application to turf or ornamentals.

DO NOT APPLY TURF FERTILIZER WITH PENDIMETHALIN 0.75 in greenhouses, shadehouses or other enclosed structures.

NOT FOR USE on for commercial seed production.

DO NOT APPLY this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. NO NOT APPLY this product through any irrigation system.

DO NOT ALLOW dust to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and 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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical resistant gloves, made of waterproof materials, such as butyl rubber >14 mils, nitrile rubber >14 mils, or neoprene rubber >14 mils.
 - Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard 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 PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR RESIDUES.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not store above 120°F. Store in original containers and keep closed. Store in a cook dry place.

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

PESTICIDE 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. Do not reuse or refull this container, offer for recycling if available: Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Observe all cautions and limitations on this label and the labels of products used in combination with TURF FERTILIZER WITH PENDIMETHALIN 0.75. The use of TURF FERTILIZER WITH PENDIMETHALIN 0.75 not consistent with this label can result in injury to crops, animals, or persons. Keep containers closed to avoid spills and contamination.

DISCLAIMER

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of Harrell's, LLC. All such risks shall be assumed by the user.

Harrell's, LLC warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risk referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

Harrell's, LLC makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

GENERAL INFORMATION

TURF FERTILIZER WITH PENDIMETHALIN 0.75 is a combination preemergent herbicide and fertilizer formulated to provide control of most annual grasses and certain broadleaf weeds found in any turfgrass site (lawns, sod, turf areas). Examples of such sites include, but are not limited to: golf courses, lawns in residential, commercial establishments, or grounds around military or other institutions, parks, airports, roadsides, schools or cemeteries; athletic fields or recreational areas; prairiegrass areas; and sod farms. TURF FERTILIZER WITH PENDIMETHALIN 0.75 can be used around established ornamentals in the landscape and in established wildflower plantings. TURF FERTILIZER WITH PENDIMETHALIN 0.75 may be used for hardwood and conifer regeneration on conservation reserve program land.

TURF FERTILIZER WITH PENDIMETHALIN 0.75 is labeled for use on the following turfgrass species: Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, bentgrass, <u>Poa annua</u> (except putting greens and tees), bermudagrass, St. Augustinegrass, bahiagrass, centipedegrass, zoysiagrass and blends of these grasses.

TURF FERTILIZER WITH PENDIMETHALIN 0.75 controls weeds as they germinate, but will not control established weeds. Therefore, areas to be treated should be free of established weeds. Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

APPLICATION INSTRUCTIONS

Apply product uniformly at the recommended rate using a properly calibrated spreader. The efficacy of TURF FERTILIZER WITH PENDIMETHALIN 0.75 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 TURF FERTILIZER WITH PENDIMETHALIN 0.75 is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Avoid contact of product with porous surfaces such as driveways, stone, or wood. Removing particles will help prevent staining.

TURF FERTILIZER WITH PENDIMETHALIN 0.75 can be applied before or after postemergence herbicides used to control emerged weeds in turfgrasses. For annual grass control, applications can be made with Vantage®¹, Acclaim Extra®², Or MSMA containing products, to control emerged weeds. Broadleaf weeds can be controlled using Trimec^{TM3} Three-Way^{TM4}, 2-4,D, and other similar products.

Applied according to label directions, and under normal growing conditions, TURF FERTILIZER WITH PENDIMETHALIN 0.75 will not cause injury to desirable plants. Over-application can result in stand loss, plant injury, or soil residues. Uneven application can decrease weed control or cause plant injury.

Seedling diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken seedlings and plants, and increase the possibility of plant damage from TURF FERTILIZER WITH PENDIMETHALIN 0.75.

Apply product uniformly using a properly calibrated spreader to provide uniform distribution. Check application routinely to determine proper calibration. Avoid overlaps that will increase rates above those recommended.

Avoid application when winds may cause drift.

200 lbs. treats 1 acre delivering 1.5 lb. ai/A

Recommended Rates:

			l	bs. per acre	
Spreader	Ground Speed	Spreading Width	<u>152</u>	<u>227</u>	<u>303</u>
LESCO Rotary	3 mph	9 ft.	C 1/2 10"/32	D 1/2 12"/32	E 1/2 14"/32
Scotts R-7,R-7x	3 mph	12 ft.	F	I	K
Scotts R-8,R-8a	3 mph	11 ft.	J	L 1/2	N
¹ Lely ² Vicon	4.5 mph	30 ft.	4 1/4 III	5 1/2 III	6 1/2 Ⅲ
² Vicon	4.5 mph	30 ft.	21	25	29

Models WTR, WRF, HR, and 1250 PTO-450 rpm

Important: Spreader settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation in application rate. Spreader should be calibrated prior to each application by the operator.

WEED SPECIES CONTROLLED

TURF FERTILIZER WITH PENDIMETHALIN 0.75 is recommended for 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.

GRASSES CONTROLLED

Common Name

Barnyardgrass Bluegrass, Annual Crabgrass

Crowfootgrass Foxtail, Giant Foxtail, Green Foxtail, Yellow

Goosegrass Itchgrass

Johnsongrass (from seed)

Junglerice

Lovegrass (from seed) Panicum, Browntop Panicum, Fall Panicum, Texas Sandbur, Field Signalgrass Sprangletop, Mexican Sprangletop, Red Witchgrass

Scientific Name

Echinochloa crus-galli

Poa annua

Digitaria spp.

Dactyloctenium aegyptium

Setaria faberi Setaria viridis Setaria glauca Eleusine indica Rottboellia exaltata Sorghum halepense Echinochloa colona Eragrostis spp. Panicum fasciculatum Panicum dichotomiflorum

Panicum texanum Cenchrus incertus Brachiaria platyphylla Leptochloa uninervia Leptochloa filiformis Panicum capillare

BROADLEAF WEEDS CONTROLLED

Woolly Cupgrass

Common Name

Burweed, Lawn Carpetweed

Chickweed, Common

Chickweed, Mouseear Clover, Hop Cudweed

Eveningprimrose Fiddleneck Filaree Henbit

Knotweed, prostrate

Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida

Scientific Name

Soliva pterosperma

Eriochloa villosa

Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia internedia Erodium spp. Lamium amplexicaule, ... Polygonum aviculare Kochia scoparia Chenopodium album Amaranthus spp. Tribulus terrestris Portulaca oleracea Richardia scabra

²Vicon - All models PTO-540 rpm

Rocket, London
Shepherdspurse
Smartweed, Pennsylvania
Speedwell, Corn
Spurge, Annual
Spurge, Prostrate
Woodsorrel, Yellow
Velvetleaf (Buttonweed)

Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum Veronica arvensis Euphorbia spp.

Euphorbia spp.
Euphorbia numistrata
Oxalis stricta
Abutilon theophrasti

TURFGRASSES

APPLICATION RATES FOR TURF WEED CONTROL 1

Turfgrass Species	Weeds	Rates of Turf Fertilizer With Pendimethalin 0.75	Comments
COOL SEASON GRASSES			
Bluegrass, Kentucky Fescue, fine Fescue, tall Ryegrass, perennial	crabgrass foxtail Poa annua barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	200-266 lbs./acre as the initial application prior to weed germination in the spring.	Apply a repeat application of 133-200 lbs./acre after 5 - 8 weeks for extended control or where heavy weed infestations are expected.
·	goosegrass	Residential ² Turf Uses Only: 133-200 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 133 lbs./acre after 5 - 8 weeks if the lower rates was used initially or for extended goosegrass control
		Golf Course and Commercial Turf Uses: 133-400 lbs./acre in the spring prior to weed germination.	for extended goosegrass control
	cudweed	200-266 lbs./acre	Apply in late
	Poa annua		summer or early
	chickweed		fall prior to
	lawn burweed		weed germination.
	henbit		
	corn speedwell		
Bentgrass or	crabgrass foxtail	133 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 133-200 lbs./acre after 5-8
established <i>Poa annua⁴</i> (1/2 inch height or taller)	Poa annua barnyardgrass fall panicum	-	weeks where heavy weed infestations are expected.
			infestations are expected.
	fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	266 The Jaco	infestations are expected.
	fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop	266 lbs./acre	infestations are expected.
	fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	266 lbs./acre in the spring prior to weed germination.	infestations are expected.

Apply a repeat application of 266 lbs./acre after 56-8 weeks.

133-266 lbs./acre

Apply in late

weed germination.

			- TF-7
	Poa annua		summer or early
	chickweed		fall prior to
	lawn burweed		weed germination.
	henbit		
	com speedwell		
WARM SEASON GRASSES	5		
Bahiagrass Bermudagrass Buffalograss Centipedegrass Fescue, tall St. Augustinegrass Zoysiagrass	Crabgrass foxtail, Poa annua Barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	Residential ² Turf Uses Only: 200-266 lbs./acre in the spring prior to weed germination. Golf Course and Commerical Turf Uses: 200-400 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 133-200 lb./acre after 5-8 weeks if necessary.
	goosegrass	200 lbs./acre prior to weed germination in the spring. Apply a repeat application of 200-266 lbs./acre after 5 - 8 weeks.	An additional application of 200 lbs./acre may be applied for extended goosegrass control 8 weeks after the second application.
	cudweed Poa annua chickweed	200-266 lbs./acre	Apply in late summer or early fall prior to

¹ DO NOT exceed a maximum rate of 266 pounds per acre per application for use on residential turfgrass.

lawn burweed

cudweed

henbit corn speedwell

TURFGRASS PRECAUTIONS

Use on well established turfgrass with a dense and uniform stand. On newly planted areas, application 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 Pendimethalin application. 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 leaflet. TURF FERTILIZER WITH PENDIMETHALIN 0.75 will control annual grasses and broadleaf 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:

² Residential is defined as turf in any residential situation as well as schools, parks and playgrounds.

³ DO NOT exceed a maximum rate of 266 pounds per acre per application for use on sod farms.

⁴ Not for use on bentgrass or *Poa annua* greens or tees.



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, Filarce, 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, MCPA, MSMA, or similar product is recommended to control established weeds.

LANDSCAPE AND GROUNDS MAINTENANCE

TURF FERTILIZER WITH PENDIMETHALIN 0.75 can be incorporated into landscape and grounds maintenance programs to provide extended preemergence control of most annual grasses and certain broadleaf 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 TURF FERTILIZER WITH PENDIMETHALIN 0.75.

TURF FERTILIZER WITH PENDIMETHALIN 0.75 may be used before or after applications of herbicides registered for postemergence use (i.e. Vantage®, Roundup PRO®5 or Finale®6) for the control of established weeds. Do not apply sprays containing Roundup or Finale over the top of desirable plants, and follow the label restrictions. A TURF FERTILIZER WITH PENDIMETHALIN 0.75 treatment may be followed by any registered herbicide to control weeds not listed on the TURF FERTILIZER WITH PENDIMETHALIN 0.75 label.

ORNAMENTAL BULBS

TURF FERTILIZER WITH PENDIMETHALIN 0.75 may be applied for control of susceptible annual weeds in ornamental bulbs listed on the label (crocus, daffodil (narcissus), gladiolus, tulip, etc.). Apply TURF FERTILIZER WITH PENDIMETHALIN 0.75 prior to, during or after bulb emergence. If weeds have already germinated use a labeled postemergence herbicide to control emerged weeds.

WILDFLOWERS

TURF FERTILIZER WITH PENDIMETHALIN 0.75 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.). TURF FERTILIZER WITH PENDIMETHALIN 0.75 may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed, apply TURF FERTILIZER WITH PENDIMETHALIN 0.75 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 TURF FERTILIZER WITH PENDIMETHALIN 0.75 may vary greatly. Careful testing on desirable species is recommended to determine if area-wide applications can be made.

ORNAMENTAL PRECAUTIONS

Apply TURF FERTILIZER WITH PENDIMETHALIN 0.75 to established plantings. 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 TURF FERTILIZER WITH PENDIMETHALIN 0.75 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 product or injury may occur.

RECOMMENDED ORNAMENTAL SPECIES

TURF FERTILIZER WITH PENDIMETHALIN 0.75 is safe around and over the top of the established plants listed below.

TREES

Common Name	Scientific Name
Alder, European Black	Alnus glutinosa
Apple	Malus spp.
Arborvitae, American	Thuja occidentalis
Arbutus	Arbutus spp.
Ash, Red	Fraxinus pennsylvanica
Ash, White	Fraxinus americana
Aspen, Bigtooth	Populus grandidentata 🕠 🦠
Aspen, Quaking	Populus tremuloides
Basswood	Tilia spp.
Birch, European Weeping	Betula pendula
Birch, River	Betula nigra cecce
Buckeye, Red	Aesculus pavia
Cedar, White	Thuja occidentalis
Chamaecyparis, Boulevard	Chamaecvparis pisi(2ra c
Cherry, Black	Prunus serotina
Cherry, Choke	Prunus virginiana ()
Cherry, Kwanzan	Prunus serrulata
Cherry, Nanking	Prunus tomentosa
Cottonwood	Populus deltoides 'cccc'
Crabapple	Malus spp. (((

Crepe Myrtle

Cryptomeria, Japanese Cedar

Cypress, Bald

Cypress, Leyland Dogwood, Flowering

Dogwood, Korean

Dogwood, Silky

Dogwood, Shrub

Elm

Fir, Balsam

Fir, Douglas

Fir, Fraser

Fir. White

Franklinia

Ginkgo

Gum, Black

Gum, Sour

Haw. Black

Hawthorn

Hemlock, Canada

Hemlock, Eastern

Holly, American

Honeylocust

Lilac, Common

Lilac, Japanese Tree

Linden

Magnolia, Saucer

Magnolia, Southern

Magnolia, Star

Maidenhair Tree

Maple, Paper-bark

Maple, Norway

Maple, Japanese

Maple, Red

Maple, Sugar

Nannyberry, Rusty

Oak, Chinquapin

Oak, Live

Oak, Pin

Oak, Red

Oak, Swamp Chestnut

Oak. Water

Oak, White

Oak, Willow

Olive

Palm, Date

Palm, Fan

Palm, Pindo

Palm, Washington

Peach

Pear, Bradford

Pecan

Pine, Austrian

Pine, Italian Stone

Pine, Loblolly

Pine, Monterey

Pine, Red

Pine, Scotch Pine, Virginia

Pine, White

Plum, Purple Leaf

Poplar, Black

Redcedar, Eastern

Redcedar, Western

Red Ironbark

Redwood, Dawn Sequoia, Giant

Serviceberry

Sourwood Spruce, Colorado Blue

Spruce, Dwarf Alberta

Spruce, Norway

Spruce, White

Lagerstroemia indica Cryptomeria japonica Taxodium distichum Cupressocyparis leylandii

Cornus florida Cornus kousa

Cornus amomum Cornus spp.

Ulmus japonica Abies balsamae

Pseudotsuga menziesii

Abies fraseri Abies concolor Franklinia spp.

Ginkgo biloba Nyssa sylvatica

Nyssa sylvatica

Viburnum prunifolium

Crataegus spp. Tsuga canadensis Tsuga canadensis

Ilex opaca

Gleditsia triacanthos Syringa vulgaris Syringa reticulata

Tilia spp.

Magnolia soulangiana Magnolia grandiflora Magnolia stellata Ginkgo biloba

Acer griseum Acer platanoides

Acer palmatum Acer rubrum

Acer saccharum Viburnum rufidulum Quercus muehlenbergii

Quercus virginiana Quercus palustris Quercus rubra Quercus michauxii

Ouercus nigra Quercus alba Quercus phellos Olea europaea

Phoenix spp. Washingtonia spp.

Butia spp. Washingtonia spp.

Prunus persica

Pyrus calleryana 'Bradford'

Carya illinoensis Pinus nigra Pinus pinea Pinus taeda Pinus radiata Pinus resinosa Pinus sylvestris

Pinus virginiana Pinus strobus

Prunus cerasifera Populus nigra

Juniperus virginiana

Eucalyptus sideroxylón 'Kosea' Metasequoia glyptostroboides

Sequoiadendron gigantei:m Amelanchier laevis

Oxydendrum arboréúm Picea pungens

Picea glauca 'albertiana'

Picea abies Picea glauca

Sweetgum Sycamore Trachycarpus Tulip tree Walnut, Black Willow, Weeping Yellowwood

SHRUBS

Common Name Abelia, Glossy Aucuba, Gold Azalea Bamboo, Heavenly Barberry Barberry, Japanese Blue Indigo Bush Bottlebrush, Lemon Boxwood, Common Boxwood, Japanese Brittlebush Buttonbush Camellia Cape Jasmine Cassia, Feathery Cordyline Соттеа Cotoneaster Cotoneaster, Bearberry Cotoneaster, Rock Cypress, Italian Cypress, Leyland Deutzia, Slender Dogwood, Red Twig Elacagnus Escallonia Euonymus Euonymus, Golden Euonymus, Winged Firethorn Forsythia, Border Fragrant Olive Fuschia, California Gardenia Hawthorne, Indian Hibiscus Holly, Chinese Holly, Japanese Holly, Fosters Holly, Savannah Holly, Yaupon Honeysuckle, Bush Hopseed Bush Hopbush Hydrangea Juniper Juniper, Chinese Juniper, Shore Juniper, Trailing Laurel, Cherry Laurel, Mountain Laurel, Otto Luyken Laurel, Schipka Laurustinus Lavender, English Leucothoe Leucothoe, Coast Lilac, Cut-leaf Lily-of-the-Nile Mahonia Mock Orange

Liquidambar styraciflua Platanus occidentalis Trachycarpus spp. Liriodendron tulipifera Juglans nigra Salix babylonica Cladrastis lutea

Scientific Name Abelia grandiflora_ Aucuba japonica Rhododendron sp. Nandina domestica Berberis gladwynensis Berberis thunbergii Dalea gregii Callistemon citrinus Buxus sempervirens Buxus microphylla Encelia farinosa Cephalanthus occidentalis Camellia japonica Gardenia jasminoides Cassia artemisioides Cordyline spp. Correa spp. Cotoneaster apiculatus Cotoneaster dammeri Cotoneaster horizontalis Cupressus sempervirens Cupressocyparis leylandii Deutzia gracilis Cornus sericea Elaeagnus ebbingei Escallonia fradesii Euonymus fortunei Euonymus japonica Euonymus alata Pyracantha coccinea Forsythia intermedia Osmanthus fragrans Zauschineria californica Gardenia jasminoides Raphiolepis indica Hibiscus syriacus Ilex cornuta Ilex crenata Ilex attenuata 'Fosteri' Ilex attenuata Ilex vomitoria Diervilla lonicera Dodonaea viscosa Dodonaea viscosa Hydrangea macrophylla Juniperus sp. Juniperus chinensis v. pfitzer Juniperus conferta Juniperus horizontalis Prunus laurocerasus Kalmia latifolia Prunus laurocerasus

Prunus schipkanensis Viburnum tinus

Leucothoe fontanesiana

Leucothoe axillaris cocces

Syringa laciniata

Agapanthus africa rus (Mahonia aquifolium, Ca

Syringa laciniata

Pittosporum tobira

Myrtus communis

Myrica cerifera

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Myrtle, Compact

Myrtle, Wax

Nandina Oleander Oregon Grape Osmanthus

Palm, European Fan Palm, Mediterranean Fan

Phlox, Prickly Photinia, Fraser Pieris, Japanese Pine, Mugo Plum, Natal Privet, California Privet, Glossy Privet, Variegated

Privet, Waxleaf Pyracantha Quince, Flowering Ranger, Texas Redroot Rhododendron

Robira Rose Spice Plant Spiraea

Spiraea, Anthony Waterer

Spiraea, Japanese Sweet Bay Trumpet Bush Verbena, Lemon

Viburnum Vitex Weigela Wild Lilac Wisteria Xylosma Yellowbells Yew

Yew, Japanese Yew, Southern Yucca, Adam's Needle

Yucca, Weeping

GROUND COVERS

Common Name

Ajuga

Baby Sun Rose Beach Strawberry

Capeweed

Cinquefoil, Spring Coyotebrush, Dwarf Daisy, Trailing African

Dymondia Gazania

Iceplant, Large Leaf Ivy, English Ivy, Geranium Jasmine, Asiatic Jasmine, Primrose Jessamine, Carolina

Manzanita, Bearberry

Miscanthus Mondograss Morninglory Myoporum Pachysandra Potentilla

Periwinkle, Common

Red Apple Rosemary Rose-Of-Sharon Sand Strawberry Sedum

St. Johnswort, Creeping

Nandina domestica Nerium oleander Mahonia aquifolium Osmanthus fragrans Chamaerops humilis Chamaerops spp.

Leptodactylon californicum

Photinia X Fraseri Pieris japonica Pinus mugo

Carissa grandiflora Ligustrum ovalifolium Ligustrum lucidum Ligustrum sinensis Ligustrum japonicum Pyracantha coccinea Chaenomeles japonica Leucophyllum frutescens

Ceanothus spp. Rhododendron spp. Pittosporum tobira

Rosa spp.

Illicium parviflorum Spiraea vanhouttei Spiraea X bumalda Spiraea japonica Laurus nobilis Tecoma stans Aloysia triphylla Viburnum suspensum

Vitex spp. Weigela florida Ceanothus spp. Wisteria spp. Xylosma congestum Tecoma stans Taxus media Taxus cuspidata

Podocarpus macrophyllus

Yucca filamentosa Yucca pendula

Scientific Name

Ajuga reptans Aptenia cordifolia Fragaria chiloensis Arctotheca calendula Potentilla verna Baccharis pitularis Osteospermum fruticosum Dymondia margaretae Gazania splendens Carpobrotus edulis Hedera helix Pelargonium peltatum Trachelospermum asiaticum

Jasminum mesnyi Gelsemium sempervirens Arctostaphylos uva-ursi Miscanthus spp. Ophiopogon japonica

Convolvulus spp. Myoporum parviflolium ¿ Pachysandra terininalis & Potentilla fruticosa Vinca minor

Aptenia cordifolia Rosemarimus officinalis Hypericum calycinuin ...

Fragaria chiloensis Sedum spurium Hypericum calycinum



Stonecrop

Verbena, Peruvian

Vervain

Vetch, Crown

Vinca or Greater Periwinkle

Wintercreeper

PERENNIALS

Common Name

Acacia

Asparagus

Aster, New York

Aster, Stokes

Astilbe (False Spirea)

Babys Breath

Beard-Tongue

Bellflower

Bird of Paradise

Black-eyed Susan

Blanket Flower

Bleeding Heart

Butterfly Weed

California Poppy

Calla Lily

Canna, Common Garden

Carex

Cast Iron plant

Chincherinchee

Clover, Crimson

Columbine

Coreopsis

Crinum Lily

Crocus

Daffodil

Daylily

False dragonhead

Fairy Duster

Fern, Asparagus

Fern, Tree

Fern, Boston

Fern, Leatherleaf*

Fortnight Lily

Foxglove, Common

Freesia

Fushcia, Arizona

Gayfeather

Gaillardia

Geum

Gladiolus

Heather, Dwarf

Hosta

Hyssop, Sunset Indian Blanket

Lantana, Weeping

Leopards Bane

Lily

Liriope, Big Blue

Liriope, Creeping

Liriope, Variegated

Loosestrife, Garden Moonbeam

Montbretia

Nightshade

Orchid, Peacock

Oxeye Daisy

Peony, Chinese Purple Coneflower

Purple Loosestrife

Rosemary

Ruscus, Israeli

Sage, Russian

Sedge

Shasta Daisy

Sedum spurium Verbena peruviana Verbena peruviana Vicia sativa Vinca major Euonymous fortunei

Scientific Name

Acacia redolens

Asparagus spp.

Aster novi-belgii

Stokesia laevis

Astilbe spp.

Gypsophila elegans

Penstemon spp.

Campanula spp.

Caesalpinia pulcherrima

Rudbeckia hirta

Gaillardia x grandiflora

Dicentra spectabilis

Asclepias tuberosa

Eschscholzia california

Zantedeschia aethiopica

Canna generalis 'Lucifer'

Carex spp.

Aspidistra elatior

Ornithogalum thyrsoides

Trifolium incarnatum

Aquilegia 'McKana Giant'

Coreopsis lanceolata

Crinum spp.

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

Lillium spp. Liriope muscari

Liriope spicata

Liriope muscari

Lvsimachia punctata

Coreopsis verticillata

Crocosmia crocosmiiflora

Solanum spp.

Acidanthera bicolor Chrysanthemum leuccinti emum

Paeonia lactiflora

Echinacea purpured CC & C

Rosmarinus officiralis Ruscus hypophyllum

Perovskia atriplicifolia

Carex spp. Chrysanthemum x superbum

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Sweet Flag Tickseed

Texas Bluebonnet

Tulip **Twinspur** Wonder Flower Yarrow

Zephyr Lily

Acorus calamus Coreopsis lanceolata Lupinus texenis Tulipa spp.

Diasciascia barbaerae Ornithogalum thyrsoides Achillea millefolium Zephyranthes spp.

Scientific Name

Festuca ovina

Festuca ovina

ORNAMENTAL GRASSES

Common Name

Beach Grass Fescue, Blue Fescue, Sheep Fountain Grass Pampas Grass Reed Canary Grass Reed, Giant Ribbon Grass

Pennisetum setaceum Cortaderia selloana Phalaris arundinacea Arundo spp. Phalaris arundinacea Deschampsia caespitosa

Ammophila breviligulata

BEDDING PLANTS*

Common Name

Tufted Hair Grass

Ageratum Alyssum

Anemone, Poppy-flowered

Artemesia Balloonflower Begonia

Cabbage, Ornamental

Caladium China Aster

Crocosmia, Montebretia

Dahlia Dianthus **Dusty Miller**

Gazania, Treasure Flower

Gazania, Trailing Geranium Gloxinia Impatiens Kale, Ornamental Marigold, African Moss Rose Mum, Garden Pansy, Garden Periwinkle, Rose

Petunia

Plumosa Cockscomb

Portulaca Salvia Snapdragon Statice Sweet William Vinca or Periwinkle

Scientific Name

Ageratum houstonianum Alyssum saxatile Anemone coronaria Artemesia spp.

Platycodon grandiflorum Begonia spp.

Brassica olereacea Caladium spp. Callistephus chinensis Crocosmia x crocosmiiflora

Dahlia spp. Dianthus barbatus Senecio cineraria Gazania rigens

Gazania rigens leucolaena Geranium sp.

Gloxinia simningia Impatiens sp. Brassica napus Tagetes erecta Portulaca grandiflora Chrysanthemum spp. Viola x Wittrockiana Catharanthus roseus or Vinca rosea Petunia spp. Celosia cristata Portulaca grandiflora Salvia splendens Antirrhinum majus Limonium spp. Dianthus barbatus Catharanthus roseus Zinnia sp.

*After planting bedding plants and before TURF FERTILIZER WITH PENDIMETHALIN 0.75 is applied, area to be treated should be watered sufficiently to pack soil around roots.

TURF FERTILIZER WITH PENDIMETHALIN 0.75 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 recommended rate. Treated plants should be evaluated 2-2 months following treatment for possible injury. THE USER ASSUMES RESPONSIBILITY FOR ANY CROP DAMAGE OR OTHER HABILITY. Do not treat plants grown for food or feed. Do not use treated plants for food or feed.

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^{*} Applications of TURF FERTILIZER WITH PENDIMETHALIN 0.75 to immature ferns (during periods of new growth of fronds) may result in some

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Net Contents 50 Pounds

Harrell's, LLC P. O. Box 807 Lakeland, FL 33802

Batch No.

NOTIFICATION

APR 1 0 2009

