

52287-18

04/10/2009

1/18



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 10 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:

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

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.

2/18

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

 United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 52287-18	2. EPA Product Manager Jim Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Turf Fertilizer with Pendimethalin 1.0	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Harrell's LLC P. O. Box 807 Lakeland, FL 33802 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A</u> <b>NOTIFICATION</b> Product Name <u>N/A</u> <b>APR 10 2009</b>

**Section - II**

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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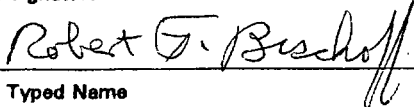
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

<b>1. Material This Product Will Be Packaged In:</b>					
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lbs		5. Location of Label Directions <input checked="" type="checkbox"/> on affixed label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
Name Robert F. Bischoff	Title Agent, TotalTurf Consulting LLC	Telephone No. (Include Area Code) (317) 873-0222
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		<b>6. Date Application Received (Stamped)</b> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
2. Signature 	3. Title Agent, TotalTurf Consulting LLC	
4. Typed Name Robert F. Bischoff	5. Date March 3, 2009	





**TURF FERTILIZER WITH PENDIMETHALIN 1.0  
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. ....	1.00%
<b>INERT INGREDIENTS</b> .....	<b>99.00%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

EPA Reg. No. 52287-18

EPA Est. No. 52287-FL-1

**GUARANTEED FERTILIZER ANALYSIS**

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

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

**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.)

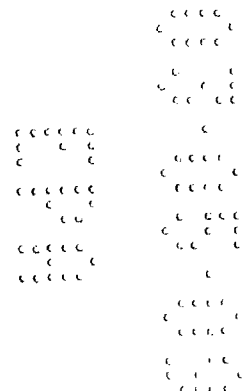
Have the product container or label with you when calling a poison control center or doctor, or for going for treatment.

**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 10 2009**



**TABLE OF CONTENTS**

FIRST AID AND PRECAUTIONARY STATEMENTS .....2  
 ENVIRONMENTAL HAZARDS .....3  
 DIRECTIONS FOR USE .....3  
 STORAGE AND DISPOSAL .....3  
 GENERAL INFORMATION .....4  
 Application INSTRUCTIONS .....4  
 WEED SPECIES CONTROLLED .....5  
     GRASSES CONTROLLED .....5  
 BROADLEAF WEEDS CONTROLLED .....5  
 TURFGRASSES .....6  
     APPLICATION RATES FOR TURF WEED CONTROL .....6  
         COOL SEASON GRASSES .....6  
         WARM SEASON GRASSES .....7  
     TURFGRASS PRECAUTIONS .....7  
     INDUSTRIAL ( unimproved )TURF .....7  
 LANDSCAPE AND GROUNDS MAINTENANCE .....7  
     ORNAMENTAL BULBS .....8  
     WILDFLOWERS .....8  
     ORNAMENTAL PRECAUTIONS .....8  
 ORNAMENTALS .....8  
     TREES .....8  
     SHRUBS .....10  
     GROUND COVERS .....11  
     PERENNIALS .....12  
     ORNAMENTAL GRASSES .....13  
     BEDDING PLANTS .....13

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lense, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact <b>CHEMTREC 1-800-424-9300</b> 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 dust. 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 mils, or neoprene rubber >14 mils
- Shoes plus socks
- Protective eyewear

20090303.Final Label

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 1.0 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 cool, 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 refill 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 1.0. The use of TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0 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 1.0 can be used around established ornamentals in the landscape and in established wildflower plantings. TURF FERTILIZER WITH PENDIMETHALIN 1.0 may be used for hardwood and conifer regeneration on conservation reserve program.

TURF FERTILIZER WITH PENDIMETHALIN 1.0 is labeled for use on the following turfgrass species: Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, bentgrass, Poa annua (except putting greens and tees), bermudagrass, St. Augustinegrass, bahiagrass, centipedegrass, zoysiagrass and blends of these grasses.

TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0 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 1.0 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 1.0 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<sup>®1</sup>, Acclaim Extra<sup>®2</sup>, or MSMA containing products, to control emerged weeds. Broadleaf weeds can be controlled using Trimec<sup>™3</sup> Three-Way<sup>™4</sup>, 2-4,D, and other similar products.

Applied according to label directions, and under normal growing conditions, TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0.

Apply with properly calibrated spreader equipment 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.



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

**Recommended Rates:**

<u>Spreader</u>	<u>Ground Speed</u>	<u>Spreading Width</u>	<u>lbs. per acre</u>		
			<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
<sup>1</sup> Lely	4.5 mph	30 ft.	4 1/4 III	5 1/2 III	6 1/2 III
<sup>2</sup> Vicon	4.5 mph	30 ft.	21	25	29

<sup>1</sup>Models WTR, WRF, HR, and 1250 PTO-450 rpm

<sup>2</sup>Vicon - All models PTO-540 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 1.0 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**

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

**BROADLEAF WEEDS CONTROLLED**

<u>Common Name</u>	<u>Scientific Name</u>
Burweed, Lawn	<i>Soliva pterosperma</i>
Carpetweed	<i>Mollugo verticillata</i>
Chickweed, Common	<i>Stellaria media</i>
Chickweed, Mouseear	<i>Cerastium vulgatum</i>
Clover, Hop	<i>Trifolium procumbens</i>
Cudweed	<i>Gnaphalium spp.</i>
Eveningprimrose	<i>Oenothera biennis</i>
Fiddleneck	<i>Amsinckia intermedia</i>
Filaree	<i>Erodium spp.</i>
Henbit	<i>Lamium amplexicaule</i>
Knotweed, prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters	<i>Chenopodium album</i>
Pigweed	<i>Amaranthus spp.</i>
Puncturevine	<i>Tribulus terrestris</i>
Purslane	<i>Portulaca oleracea</i>
Pusley, Florida	<i>Richardia scabra</i>

10/18

20090303.Final Label

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 numistrata*  
*Oxalis stricta*  
*Abutilon theophrasti*

**TURFGRASSES**

**APPLICATION RATES FOR TURF WEED CONTROL <sup>1</sup>**

Turfgrass Species	Weeds	Rates of Turf Fertilizer With Pendimethalin 1.0	Comments
<b>COOL SEASON GRASSES</b>			
Bluegrass, Kentucky Fescue, fine Fescue, tall Ryegrass, perennial	crabgrass	150-200 lbs./acre	Apply a repeat application of 100-150 lbs./acre after 5 - 8 weeks for extended control or where heavy weed infestations are expected.
	foxtail	as the initial	
	<i>Poa annua</i>	application prior	
	barnyardgrass	to weed germination	
	fall panicum	in the spring.	
	oxalis		
	prostrate spurge		
	purslane		
	knotweed		
	evening primrose		
	hop clover		
	goosegrass	<b>Residential<sup>2</sup> Turf Uses Only:</b> 100-150 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 100 lbs./acre after 5 – 8 weeks if the lower rates was used initially or for extended goosegrass control.
		<b>Golf Course and Commercial Turf Uses:</b> 100-300 lbs./acre in the spring prior to weed germination.	
	cudweed	150-200 lbs./acre	Apply in late
	<i>Poa annua</i>		summer or early
	chickweed		fall prior to
	lawn burweed		weed germination.
	henbit		
	corn speedwell		
Bentgrass or established <i>Poa annua</i> <sup>4</sup> (1/2 inch height or taller)	crabgrass	200 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 100-200 lbs./acre after 5-8 weeks if heavy weed infestations are expected.
	foxtail		
	<i>Poa annua</i>		
	barnyardgrass		
	fall panicum		
	oxalis		
	prostrate spurge		
	purslane		
	knotweed		
	evening primrose		
	hop clover		
	goosegrass	200 lbs./acre	
		in the spring prior	
		to weed germination.	

Apply a repeat application of 200 lbs./acre after 5-8 weeks.

cudweed	100-300 lbs./acre	Apply in late summer or early fall prior to weed germination.
<i>Poa annua</i>		
chickweed		
lawn burweed		
henbit		
corn speedwell		

**WARM SEASON GRASSES**

<b>Bahiagrass</b>	Crabgrass	<b>Residential<sup>2</sup> Turf Uses Only:</b> 150-200 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 100-150lb./acre after 5-8 weeks if necessary.
<b>Bermudagrass</b>	foxtail,		
<b>Buffalograss</b>	<i>Poa annua</i>	<b>Golf Course and Commercial Turf Uses:</b> 150-300 lbs./acre in the spring prior to weed germination.	
<b>Centipedegrass</b>	Barnyardgrass		
<b>Fescue, tall</b>	fall panicum		
<b>St. Augustinegrass</b>	oxalis		
<b>Zoysiagrass</b>	prostrate spurge		
	purslane		
	knotweed		
	evening primrose		
	hop clover		
	goosegrass	150 lbs./acre prior to weed germination in the spring. Apply a repeat application of 150-200 lbs./acre after 5 - 8 weeks.	An additional application of 150 lbs./acre may be applied for extended goosegrass control 8 weeks after the second application.
	cudweed	175-233 lbs./acre	Apply in late summer or early fall prior to weed germination.
	<i>Poa annua</i>		
	chickweed		
	lawn burweed		
	henbit		
	corn speedwell		

<sup>1</sup> DO NOT exceed a maximum rate of 200 pounds per acre per application for use on residential turfgrass.

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

<sup>3</sup> DO NOT exceed a maximum rate of 200 pounds per acre per application for use on sod farms.

<sup>4</sup> Not for use on bentgrass or *Poa annua* greens or tees.

**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 1.0 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:

12/18

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

**LANDSCAPE AND GROUNDS MAINTENANCE**

TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0. TURF FERTILIZER WITH PENDIMETHALIN 1.0 may be used before or after applications of herbicides registered for postemergence use (i.e. Vantage®, Roundup PRO®<sup>5</sup> or Finale®<sup>6</sup>) 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 1.0 treatment may be followed by any registered herbicide to control weeds not listed on the TURF FERTILIZER WITH PENDIMETHALIN 1.0 label.

**ORNAMENTAL BULBS**

TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0 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 1.0 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 1.0 may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed, apply TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1.0 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 1.0 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 1.0 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 1.0 is safe around and over the top of the established plants listed below.

**TREES**

<u>Common Name</u>	<u>Scientific Name</u>	
Alder, European Black	<i>Alnus glutinosa</i>	
Apple	<i>Malus spp.</i>	
Arborvitae, American	<i>Thuja occidentalis</i>	
Arbutus	<i>Arbutus spp.</i>	( ( ( ( (
Ash, Red	<i>Fraxinus pennsylvanica</i>	( ( ( ( (
Ash, White	<i>Fraxinus americana</i>	( ( ( ( (
Aspen, Bigtooth	<i>Populus grandidentata</i>	( ( ( ( (
Aspen, Quaking	<i>Populus tremuloides</i>	( ( ( ( (
Basswood	<i>Tilia spp.</i>	( ( ( ( ( ( ( ( (
Birch, European Weeping	<i>Betula pendula</i>	( ( ( ( ( ( ( ( (
Birch, River	<i>Betula nigra</i>	( ( ( ( ( ( ( ( (
Buckeye, Red	<i>Aesculus pavia</i>	( ( ( ( ( ( ( ( (
Cedar, White	<i>Thuja occidentalis</i>	( ( ( ( ( ( ( ( (
Chamaecyparis, Boulevard	<i>Chamaecyparis pisifera</i>	( ( ( ( ( ( ( ( (
Cherry, Black	<i>Prunus serotina</i>	( ( ( ( ( ( ( ( (
Cherry, Choke	<i>Prunus virginiana</i>	( ( ( ( ( ( ( ( (
Cherry, Kwanzan	<i>Prunus serrulata</i>	( ( ( ( ( ( ( ( (
Cherry, Nanking	<i>Prunus tomentosa</i>	( ( ( ( ( ( ( ( (
Cottonwood	<i>Populus deltoides</i>	( ( ( ( ( ( ( ( (
Crabapple	<i>Malus spp.</i>	
Crepe Myrtle	<i>Lagerstroemia indica</i>	

20090303.Final Label

Cryptomeria, Japanese Cedar	<i>Cryptomeria japonica</i>	
Cypress, Bald	<i>Taxodium distichum</i>	
Cypress, Leyland	<i>Cupressocyparis leylandii</i>	
Dogwood, Flowering	<i>Cornus florida</i>	
Dogwood, Korean	<i>Cornus kousa</i>	
Dogwood, Silky	<i>Cornus amomum</i>	
Dogwood, Shrub	<i>Cornus spp.</i>	
Elm	<i>Ulmus japonica</i>	
Fir, Balsam	<i>Abies balsamae</i>	
Fir, Douglas	<i>Pseudotsuga menziesii</i>	
Fir, Fraser	<i>Abies fraseri</i>	
Fir, White	<i>Abies concolor</i>	
Franklinia	<i>Franklinia spp.</i>	
Ginkgo	<i>Ginkgo biloba</i>	
Gum, Black	<i>Nyssa sylvatica</i>	
Gum, Sour	<i>Nyssa sylvatica</i>	
Haw, Black	<i>Viburnum prunifolium</i>	
Hawthorn	<i>Crataegus spp.</i>	
Hemlock, Canada	<i>Tsuga canadensis</i>	
Hemlock, Eastern	<i>Tsuga canadensis</i>	
Holly, American	<i>Ilex opaca</i>	
Honeylocust	<i>Gleditsia triacanthos</i>	
Lilac, Common	<i>Syringa vulgaris</i>	
Lilac, Japanese Tree	<i>Syringa reticulata</i>	
Linden	<i>Tilia spp.</i>	
Magnolia, Saucer	<i>Magnolia soulangiana</i>	
Magnolia, Southern	<i>Magnolia grandiflora</i>	
Magnolia, Star	<i>Magnolia stellata</i>	
Maidenhair Tree	<i>Ginkgo biloba</i>	
Maple, Paper-bark	<i>Acer griseum</i>	
Maple, Norway	<i>Acer platanoides</i>	
Maple, Japanese	<i>Acer palmatum</i>	
Maple, Red	<i>Acer rubrum</i>	
Maple, Sugar	<i>Acer saccharum</i>	
Nannyberry, Rusty	<i>Viburnum rufidulum</i>	
Oak, Chinquapin	<i>Quercus muehlenbergii</i>	
Oak, Live	<i>Quercus virginiana</i>	
Oak, Pin	<i>Quercus palustris</i>	
Oak, Red	<i>Quercus rubra</i>	
Oak, Swamp Chestnut	<i>Quercus michauxii</i>	
Oak, Water	<i>Quercus nigra</i>	
Oak, White	<i>Quercus alba</i>	
Oak, Willow	<i>Quercus phellos</i>	
Olive	<i>Olea europaea</i>	
Palm, Date	<i>Phoenix spp.</i>	
Palm, Fan	<i>Washingtonia spp.</i>	
Palm, Pindo	<i>Butia spp.</i>	
Palm, Washington	<i>Washingtonia spp.</i>	
Peach	<i>Prunus persica</i>	
Pear, Bradford	<i>Pyrus calleryana 'Bradford'</i>	
Pecan	<i>Carya illinoensis</i>	
Pine, Austrian	<i>Pinus nigra</i>	
Pine, Italian Stone	<i>Pinus pinea</i>	
Pine, Loblolly	<i>Pinus taeda</i>	
Pine, Monterey	<i>Pinus radiata</i>	
Pine, Red	<i>Pinus resinosa</i>	'    '    '    '
Pine, Scotch	<i>Pinus sylvestris</i>	'    '    '    '
Pine, Virginia	<i>Pinus virginiana</i>	'    '    '
Pine, White	<i>Pinus strobus</i>	'    '    '    '
Plum, Purple Leaf	<i>Prunus cerasifera</i>	
Poplar, Black	<i>Populus nigra</i>	'    '    '    '    '
Redcedar, Eastern	<i>Juniperus virginiana</i>	'    '    '    '    '
Redcedar, Western	<i>Thuja plicata</i>	'    '    '    '    '
Red Ironbark	<i>Eucalyptus sideroxylon 'Rosea'</i>	'    '    '    '
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>	'    '    '
Sequoia, Giant	<i>Sequoiadendron giganteum</i>	'    '
Serviceberry	<i>Amelanchier laevis</i>	'    '    '    '
Sourwood	<i>Oxydendrum arboreum</i>	'    '    '    '
Spruce, Colorado Blue	<i>Picea pungens</i>	'    '    '    '
Spruce, Dwarf Alberta	<i>Picea glauca 'albertiana'</i>	'    '    '
Spruce, Norway	<i>Picea abies</i>	'    '    '    '
Spruce, White	<i>Picea glauca</i>	
Sweetgum	<i>Liquidambar styraciflua</i>	

20090303.Final Label

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

- Platanus occidentalis*
- Trachycarpus* spp.
- Liriodendron tulipifera*
- Juglans nigra*
- Salix babylonica*
- Cladrastis lutea*

SHRUBS

- | <u>Common Name</u>     |
|------------------------|
| 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              |
| Correa                 |
| Cotoneaster            |
| Cotoneaster, Bearberry |
| Cotoneaster, Rock      |
| Cypress, Italian       |
| Cypress, Leyland       |
| Deutzia, Slender       |
| Dogwood, Red Twig      |
| Elaeagnus              |
| 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            |
| Myrtle, Compact        |
| Myrtle, Wax            |
| Nandina                |

- | <u>Scientific Name</u>                |      |
|---------------------------------------|------|
| <i>Abelia grandiflora</i>             |      |
| <i>Aucuba japonica</i>                |      |
| <i>Rhododendron</i> sp.               |      |
| <i>Nandina domestica</i>              |      |
| <i>Berberis gladywensis</i>           |      |
| <i>Berberis thunbergii</i>            |      |
| <i>Dalea gregii</i>                   |      |
| <i>Callistemon citrinus</i>           |      |
| <i>Buxus sempervirens</i>             |      |
| <i>Buxus microphylla</i>              |      |
| <i>Encelia farinosa</i>               |      |
| <i>Cephalanthus occidentalis</i>      |      |
| <i>Camellia japonica</i>              |      |
| <i>Gardenia jasminoides</i>           |      |
| <i>Cassia artemisioides</i>           |      |
| <i>Cordyline</i> spp.                 |      |
| <i>Correa</i> spp.                    |      |
| <i>Cotoneaster apiculatus</i>         |      |
| <i>Cotoneaster dammeri</i>            |      |
| <i>Cotoneaster horizontalis</i>       |      |
| <i>Cupressus sempervirens</i>         |      |
| <i>Cupressocyparis leylandii</i>      |      |
| <i>Deutzia gracilis</i>               |      |
| <i>Cornus sericea</i>                 |      |
| <i>Elaeagnus ebbingei</i>             |      |
| <i>Escallonia fradesii</i>            |      |
| <i>Euonymus fortunei</i>              |      |
| <i>Euonymus japonica</i>              |      |
| <i>Euonymus alata</i>                 |      |
| <i>Pyracantha coccinea</i>            |      |
| <i>Forsythia intermedia</i>           |      |
| <i>Osmanthus fragrans</i>             |      |
| <i>Zauschneria californica</i>        |      |
| <i>Gardenia jasminoides</i>           |      |
| <i>Raphiolepis indica</i>             |      |
| <i>Hibiscus syriacus</i>              |      |
| <i>Ilex cornuta</i>                   |      |
| <i>Ilex crenata</i>                   |      |
| <i>Ilex attenuata</i> 'Fosteri'       |      |
| <i>Ilex attenuata</i>                 |      |
| <i>Ilex vomitoria</i>                 |      |
| <i>Diervilla lonicera</i>             |      |
| <i>Dodonaea viscosa</i>               |      |
| <i>Dodonaea viscosa</i>               |      |
| <i>Hydrangea macrophylla</i>          |      |
| <i>Juniperus</i> sp.                  |      |
| <i>Juniperus chinensis</i> v. pfitzer | cccc |
| <i>Juniperus conferta</i>             | cccc |
| <i>Juniperus horizontalis</i>         | cccc |
| <i>Prunus laurocerasus</i>            | cccc |
| <i>Kalmia latifolia</i>               | cccc |
| <i>Prunus laurocerasus</i>            | cccc |
| <i>Prunus schipkanensis</i>           | cccc |
| <i>Viburnum tinus</i>                 | cccc |
| <i>Lavandula angustifolia</i>         | cccc |
| <i>Leucothoe fontanesiana</i>         | cccc |
| <i>Leucothoe axillaris</i>            | cccc |
| <i>Syringa laciniata</i>              | cccc |
| <i>Agapanthus africanus</i>           | cccc |
| <i>Mahonia aquifolium</i>             | cccc |
| <i>Pittosporum tobira</i>             | cccc |
| <i>Myrtus communis</i>                | cccc |
| <i>Myrica cerifera</i>                | cccc |
| <i>Nandina domestica</i>              |      |

20090303.Final Label

- 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

- 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*

**GROUND COVERS**

- | <u>Common Name</u>      |
|-------------------------|
| Ajuga                   |
| Baby Sun Rose           |
| Beach Strawberry        |
| Capweed                 |
| 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 |
| Stonecrop               |

- | <u>Scientific Name</u>           |
|----------------------------------|
| <i>Ajuga reptans</i>             |
| <i>Aptenia cordifolia</i>        |
| <i>Fragaria chiloensis</i>       |
| <i>Arctotheca calendula</i>      |
| <i>Potentilla verna</i>          |
| <i>Baccharis pitularis</i>       |
| <i>Osteospermum fruticosum</i>   |
| <i>Dymondia margaretae</i>       |
| <i>Gazania splendens</i>         |
| <i>Carpobrotus edulis</i>        |
| <i>Hedera helix</i>              |
| <i>Pelargonium peltatum</i>      |
| <i>Trachelospermum asiaticum</i> |
| <i>Jasminum mesnyi</i>           |
| <i>Gelsemium sempervirens</i>    |
| <i>Arctostaphylos uva-ursi</i>   |
| <i>Miscanthus spp.</i>           |
| <i>Ophiopogon japonicus</i>      |
| <i>Convolvulus spp.</i>          |
| <i>Myoporum parvifolium</i>      |
| <i>Pachysandra terminalis</i>    |
| <i>Potentilla fruticosa</i>      |
| <i>Vinca minor</i>               |
| <i>Aptenia cordifolia</i>        |
| <i>Rosemarinus officinalis</i>   |
| <i>Hypericum calycinum</i>       |
| <i>Fragaria chiloensis</i>       |
| <i>Sedum spurium</i>             |
| <i>Hypericum calycinum</i>       |
| <i>Sedum spurium</i>             |

20090303.Final Label

Verbena, Peruvian  
 Vervain  
 Vetch, Crown  
 Vinca or Greater Periwinkle  
 Wintercreeper

*Verbena peruviana*  
*Verbena peruviana*  
*Vicia sativa*  
*Vinca major*  
*Euonymus fortunei*

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  
 Chinchinchee  
 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  
 Fuchsia, 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  
 Sweet Flag

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 californica*  
*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*  
*Lysimachia punctata*  
*Coreopsis verticillata*  
*Crocasmia crocosmifolia*  
*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*



20090303.Final Label

Tickseed  
Texas Bluebonnet  
Tulip  
Twinspur  
Wonder Flower  
Yarrow  
Zephyr Lily

*Coreopsis lanceolata*  
*Lupinus texensis*  
*Tulipa spp.*  
*Diascascia barbaerae*  
*Ornithogalum thyrsoides*  
*Achillea millefolium*  
*Zephyranthes spp.*

\* Applications of TURF FERTILIZER WITH PENDIMETHALIN 1.0 to immature ferns (during periods of new growth of fronds) may result in some injury.

ORNAMENTAL GRASSES

Common Name  
Beach Grass  
Fescue, Blue  
Fescue, Sheep  
Fountain Grass  
Pampas Grass  
Reed Canary Grass  
Reed, Giant  
Ribbon Grass  
Tufted Hair Grass

Scientific Name  
*Ammophila breviligulata*  
*Festuca ovina*  
*Festuca ovina*  
*Pennisetum setaceum*  
*Cortaderia selloana*  
*Phalaris arundinacea*  
*Arundo spp.*  
*Phalaris arundinacea*  
*Deschampsia caespitosa*

BEDDING PLANTS\*

Common Name  
Ageratum  
Alyssum  
Anemone, Poppy-flowered  
Artemesia  
Balloonflower  
Begonia  
Cabbage, Ornamental  
Caladium  
China Aster  
Crocasmia, 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  
Zinnia

Scientific Name  
*Ageratum houstonianum*  
*Alyssum saxatile*  
*Anemone coronaria*  
*Artemesia spp.*  
*Platycodon grandiflorum*  
*Begonia spp.*  
*Brassica oleracea*  
*Caladium spp.*  
*Callistephus chinensis*  
*Crocasmia 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 1.0 is applied, area to be treated should be watered sufficiently to pack soil around roots.

TURF FERTILIZER WITH PENDIMETHALIN 1.0 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 1-2 months following treatment for possible injury. THE USER ASSUMES RESPONSIBILITY FOR ANY CROP DAMAGE OR OTHER LIABILITY. Do not treat plants grown for food or feed. Do not use treated plants for food or feed.

<sup>1</sup> Vantage is a registered trademark of BASF Corporation  
<sup>2,6</sup> Acclaim Extra and Finale are registered trademarks of Bayer Environmental Sciences

