

U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Av., N.W. Washington, D.C. 20004

NOTICE OF PESTICIDE:

Registration Reregistration (under FIFRA, as amended) EPA Reg. Number:

Date of Issuance:

52287-18

Term of Issuance:

Conditional

Name of Pesticide Product:

Turf Fertilizer with Pendimethalin 1.0% Preemergent Weed Control

Name and Address of Registrant (include ZIP Code):

Robert F. Bischoff, Agent Total Turf Consulting, LLC P.O. Box 7928 Hilton Head Island, SC, 29938

Mote: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

- 1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product.
- 2. Within 18 months of the date of this registration, submit one-year storage stability and corrosion characteristics studies for review and acceptance. You may cite studies for a substantially similar product that has been accepted by the Agency.
- Add on the front panel, "EPA Reg. No. 52287-18 and "EPA Est. No. 52287-XX-XX."
- 4. Make the following label changes before you release the product for shipment:

Approving Official Signature

6-18-04

Jim Tompkins

Product Manager (25), Herbicide Branch, Registration Division

EPA Form 8570-6

Page 2 EPA Reg. No. 52287-18

a. Under "Directions for Use";

Remove "Keep children and pets out of treated area until dusts have settled," from "DO NOT APPLY this product through any irrigation system."

b. General Information";

Change "for hardwood and conifer regeneration on conservation reserve program land or similar areas" to "for hardwood and conifer regeneration on conservation reserve program land."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of these products constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your record.



TURF FERTILIZER WITH PENDIMETHALIN 1.0 Preemergent Weed Control

FOR USE ON TURFGRASSES AND ESTABLISHED ORNAMENTALS IN THE LANDSCAPE

GUARANTEED FERTILIZER ANALYSIS

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.

ACCEPTED with COMMENTS in EPA Letter Dated

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

72217-18

JUN 18 2004

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| 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. | | |
| 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. | | |
| 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. | | |
| Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, prefere to-mouth if possible. Call a poison control center or doctor for advice. | ably by mo | outh- |
| | Do not give anything by mouth to an unconscious person. 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. 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. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preference to mouth if possible. | Do not give anything by mouth to an unconscious person. 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. 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. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by moto-mouth if possible. Call a poison control center or doctor for advice. |

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 mils, or neoprene rubber >14 mils
 - 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 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. Keep children and pets out of treated area until dusts have settled.

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

DO NOT store above 120°F. Store in original containers and keep closed. Store in a cool, dry place.

STORAGE:

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:

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 Inc. All such risks shall be assumed by the user.

Harrell's Inc. 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 Inc. 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 land or similar areas.

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®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 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 I acre delivering 1.5 lb. ai/A

Recommended Rates:

| and the second second | | | lbs. per acre | | · · · | |
|-----------------------|--------------|-----------------|-----------------|------------------|-----------------|--|
| <u>Spreader</u> | 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 | 1 | K | |
| Scotts R-8,R-8a | 3 mph | 11 ft. | j | L 1/2 | N | |
| l Lely | 4.5 mph | 30 ft. | 4 1/4 111 | 5 1/2 111 | 6 1/2 111 | |
| 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.

WILD SPICES 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

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

Woolly Cupgrass BROADLEAF WEEDS CONTROLLED

Sprangletop, Red

Witchgrass

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

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 Eriochioa villosa

Scientific Name

Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia Erodium spp. Lamium amplexicaule Polygonum aviculare Kochia scoparia Chenopodium album Amaranthus spp. Tribulús 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 numistrata
Oxalis stricta
Abutilon theophrasti

THE FOR ASSES

APPLICATION RATES FOR TURF WEED CONTROL 1

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

to weed germination.

Apply a repeat application of 200 lbs./acre after5 6-8 weeks.

| cudweed | 100-300 lbs./acre | Apply in late |
|-------------------|-------------------|-------------------|
| Poa annua | · · | summer or early |
| chickw eed | | fall prior to |
| lawn burweed | | weed germination. |
| henbit | | |
| corn speedwell | | |

| WARM SEASO! | N GRASSES | | | |
|---|-----------|---|---|---|
| Babiagrass 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: 150-200 lbs./acre in the spring prior to weed germination. Golf Course and Commerical Turf Uses: 150-300 lbs./acre in the spring prior to weed germination. | Apply a repeat application of 100-150lb./acre after 5-8 week if necessary. |
| | ·, : | 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 Poa annua chickweed lawn burweed henbit com speedwell | 175-233 lbs./acre | Apply in late summer or early fall prior to weed germination. |

- DO NOT exceed a maximum rate of 200 pounds per acre per application for use on residential turfgrass.
- ² Residential is defined as turf in any residential situation as well as schools, parks and playgrounds.
- DO NOT exceed a maximum rate of 200 pounds per acre per application for use on sod farms.
- ⁴ 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:

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 GROENDS 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®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 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

Common Name Alder, European Black Apple Arborvitae, American Arbutus Ash, Red Ash, White Aspen, Bigtooth Aspen, Quaking Basswood Birch, European Weeping Birch, River Buckeye, Red Cedar, White Chamaecyparis, Boulevard Cherry, Black Cherry, Choke Cherry, Kwanzan Cherry, Nanking Cottonwood

Crabapple

Crepe Myrtle

Scientific Name Alnus glutinosa Malus spp. Thuja occidentalis Arbūtus spp. Fraxinus pennsylvanica Fraxinus americana Populus grandidentata Populus tremuloides Tilia spp. Betula pendula Betula nigra Aesculus pavia Thuja occidentalis Chamaecyparis pisifera Prunus serotina Prunus virginiana Prunus serrulata Prunus tomentosa Populus deltoides Malus spp. Lagerstroemia indica

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

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 Quercus 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 Thuja plicata Eucalyptus sideroxylon 'Rosca' Metasequoia glyptostroboides Sequoiadendron giganteum Amelanchier laevis Oxydendrum arboreum Picea pungens Picea glauca 'albertiana' Picea abies Picea glauca Liquidambar styraciflua

Spruce, White

Sweetgum

Sycamore Trachycarpus Tulip tree Walnut, Black Willow, Weeping Yellowwood

SHRUBS

Common Name Abelia, Glossy Aucuba, Gold Azalca 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 Elacagnus Escallonia Euonymus Euonymus, Golden Euonymus, Winged Firethorn Forsythia, Border Fragrant Olive Fuschia, California Gardenia Hawthome, 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

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 llex attenuata 'Fosteri' llex 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 Lavandula angustifolia Leucothoe fontanesiana Leucothoe axillaris Syringa laciniata Agapanthus africanus Mahonia aquifolium Pittosporum tobira Myrtus communis Myrica cerifera

Nandina domestica

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 Spiraca, Anthony Waterer Spiraca, Japanese **Sweet Bay** Trumpet Bush Verbena, Lemon Viburnum Vitex Weigela Wild Lilac Wisteria Xylosma Yellowbells Yew Yew, Japanese Yew, Southern Yucca, Adam's Needle

GROUND COVERS

Yucca, Weeping

Common Name Ajuga Baby Sun Rosc Beach Strawberry Capeweed Cinquefoil, Spring-Coyotebrush, Dwarf Daisy, Trailing African Dymondia Gazania Icepiant, Large Leaf lvy, 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

Nerium oleander Mahonia aquifolium Osmanthus fragrans Chamaerops humilis Chamaerops spp. Leptodactylon californicum Photinia X Frascri 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

Scientific Name

Yucca pendula

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 terminalis Potentilla fruticosa Vinca minor Aptenia cordifolia Rosemarinus officinalis Hypericum calycinum Fragaria chiloensis Sedum spurium Hypericum calycinum Sedum spurium

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 Сагех Cast Iron plant Chincherinchee Clover, Crimson Columbine Corcopsis 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

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 Lysimachia punctatà Coreopsis verticillata Crocosmia crocosmiistora 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

Shasta Daisy

Sweet Flag

Tickseed

Texas Bluebonnet

Tulip

Twinspur

Wonder Flower

Yarrow

Zephyr Lily

Coreopsis lanceolata Lupinus texenis Tulipa spp. Diasciascia barbaerae Ornithogalum thyrsoides Achillea millefolium Zephyranthes spp.

* Applications of TURF FERTILIZER WITH PENDIMETHALIN 1.0 to immature ferms (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

BEDDING PLANTS*

Common Name

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

Portulaça

Salvia

Snapdragon

Statice Sweet William

Vinca or Periwinkle

Zinnia.

Scientific Name

Ammophila breviligulata

Festuca ovina

Festuca ovina

Pennisetum setaceum

Cortaderia selloana

Phalaris arundinacea

Arundo spp.

Phalaris arundinacea

Deschampsia caespitosa

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

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.

^{*}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.

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