241-421

2/27/2013



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

> OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Jeffrey H. Birk, Ph.D Regulatory Manager BASF 26 Davis Drive Research Triangle Park, NC 27709

FEB 2 7 2013

Subject: Label Amendment Product Name: Pendulum 0.66% Plus Fertilizer EPA Registration Number: 241-421 Application Dated: February 4, 2013

Dear Dr. Birk,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

A stamped copy of your label is enclosed for your records. This label supersedes all previously accepted labels. You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipment after eighteen (18) months from the date of this letter or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA $\S6(e)$. Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Amaris Johnson via email at johnson.amaris@epa.gov or by phone at (703) 305-9542.

Sincerely,

Kable Bo Davis, Project Manager 25 Herbicide Branch Registration Division Office of Pesticide Programs

Group	3	Herbicide

Pendulum[®] 0.66% Plus Fertilizer **Preemergence Weed Control**

0.66% pendimethalin + X-X-X Fertilizer

FOR USE ON TURFGRASSES AND ESTABLISHED LANDSCAPE ORNAMENTALS

NOT FOR USE IN ORGANIC CROP AND FOOD PRODUCTION IN CALIFORNIA

Active Ingredient:

pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	0.66%
Other Ingredients:	<u>99.34%</u>
Total:	100.00%

EPA Reg. No. 241-421

EPA Est. No.

GUARANTEED ANALYSIS

Total Nitrogen (N)	X.%
X.X % Urea Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	X%
Potassium Sulfate (K ₂ SO ₄)	
Derived from: Urea, Diammonium Phosphate, and Sulfate 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 the 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 going for treatment.

> In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

See inside for additional First Aid, Precautionary Statements, Directions For Use, Sale and Waranty; and state specific crop and/or use site restrictions. Conditions of

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Net Contents:

26 Davis Drive

Under the Pederal Insecticide. Fungicide, and Rodenticide Act, as amended, for the pesticide registered under **BASF** Corporation EPA Reg. No.

Research Triangle Park, NC 27709



The Chemical Company

	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 to 20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	 Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for advice.
lf 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.
	HOTLINE NUMBER
	iner or label with you when calling a poison control center or doctor or going for o contact BASF Corporation for emergency medical treatment information:).

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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.

Personal Protective Equipment (PPE)

Some materials that are chemically 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 material, such as butyl rubber >14 mils,
- nitrile rubber <a>>14 mils, or neoprene rubber <a>>14 mils
- Shoes plus socks
- Protective eyewear

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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 or rinsate.

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For Florida Only:

- DO NOT apply near water, storm drains or drainage ditches.
- DO NOT apply if heavy rain is expected.
- Apply only to lawn, and sweep any product that lands on the driveway, sidewalk or street, back onto lawn.

Directions For Use

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

This label must be in the possession of the user at time of pesticide application.

BASF Corporation 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 **Pendulum[®] 0.66% Plus Fertilizer** in greenhouses, shadehouses or other enclosed structures.

NOT FOR USE on grass grown for commercial seed production.

DO NOT apply this product through any irrigation system. Keep children and pets out of treated area until dust has 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, pasture, rangeland, or animals.

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.

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 material, such as butyl rubber >14 mils, nitrile rubber >14 mils, or neoprene rubber >14 mils
- Shoes plus socks

NONAGRICULTURAL 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

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

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

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling

(for paper or plastic bags)

Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Observe all cautions and limitations on this label and the labels of products used in combination with **Pendulum® 0.66% Plus Fertilizer**. The use of **Pendulum 0.66% Plus Fertilizer** not consistent with this label can result in injury to crops, animals, or persons. Keep containers closed to avoid spills and contamination.

Product Information

Pendulum 0.66% Plus Fertilizer is a combination preemergence 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. **Pendulum 0.66% Plus Fertilizer** can be used around established ornamentals in the landscape and in established wildflower plantings. **Pendulum 0.66% Plus Fertilizer** may be used for hardwood and conifer regeneration on conservation reserve program land or similar areas.

Pendulum 0.66% Plus Fertilizer 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.

Pendulum 0.66% Plus Fertilizer 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 specified rate using a properly calibrated spreader. The efficacy of **Pendulum[®] 0.66% Plus Fertilizer** will be improved if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. This will remove the product from the turfgrass foliage and establish a preemergence herbicide barrier in the soil. If **Pendulum 0.66% Plus Fertilizer** 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.

Pendulum 0.66% Plus Fertilizer can be applied before or after postemergence herbicides used to control emerged weeds in turfgrasses. For annual grass control, applications can be made with **Segment[®] herbicide**, **Acclaim Extra[®] herbicide**, or MSMA-containing products to control emerged weeds. Broadleaf weeds can be controlled using **Trimec[®] herbicide**; **Three-Way™ herbicide**; 2,4-D; and other similar products.

Applied according to label directions and under normal growing conditions, **Pendulum 0.66% Plus Fertilizer** will not cause injury to desirable plants. Overapplication 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 **Pendulum 0.66% Plus Fertilizer**.

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 specified. Avoid application when winds may cause drift.

Spreader Settings

<u>Spreader Type</u>	<u>Settings</u>	
Х	XXX	
Υ	XXX	
Z	XXX	

Maximum Application Rate by Use Site

Use Site	Ibs Product/A	lbs Product/1000 ft ²	lbs a.i./A
Residential and Sod Farm Turf	303	6.8	2.0
Golf Course, Commercial and other Non-residential Turf Sites	455	10.2	3.0

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

Florida Specific Requirements for Fertilizer Use

For applications to sports turf at golf courses, parks and athletic fields:

DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N, P, K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlich I Extractant" dated March 2007. Copies may be downloaded from http://edi.ifas.ufl.edu/SS404.

Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses," published by the Florida Department of Environmental Protection, dated January 2007. Copies may be downloaded from http://www.dep.state.fl.us/water/nonpoint/pubs.htm.

For all fertilizer uses other than as a specialty fertilizer on urban turf:

DO NOT exceed rates recommended in the document titled Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries. This document may be downloaded from http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/BMP_Book.

Weeds Controlled

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Pendulum[®] 0.66% Plus Fertilizer provides preemergence control of weed species listed. Applications can be made around and over the top of ornamentals and to sites listed on this label.

Grasses Controlled	
Common Name	Scientific Name
Barnyardgrass	Echinochloa crus-galli
Bluegrass, Annual	Poa annua
Crabgrass	Digitaria spp.
Crowfootgrass	Dactyloctenium aegyptium
Foxtail, Giant	Setaria faberi
Foxtail, Green	Setaria viridis
Foxtail, Yellow	Setaria glauca
Goosegrass	Eleusine indica
Itchgrass	Rottboellia exaltata
Johnsongrass (from seed)	Sorghum halepense
Junglerice	Echinochloa colona
Lovegrass (from seed)	Eragrostis spp.
Panicum, Browntop	Panicum fasciculatum
Panicum, Fall	Panicum dichotomiflorum
Panicum, Texas	Panicum texanum
Sandbur, Field	Cenchrus incertus
Signalgrass	Brachiaria platyphylla
Sprangletop, Mexican	Leptochloa uninervia
Sprangletop, Red	Leptochloa filiformis
Witchgrass	Panicum capillare
Woolly Cupgrass	Eriochloa villosa
Broadleaf Weeds Controlled	Scientific Name
Burweed, Lawn	Soliva pterosperma
Burweed, Lawn Carpetweed	Soliva pterosperma Mollugo verticillata
Burweed, Lawn Carpetweed Chickweed, Common	Soliva pterosperma Mollugo verticillata Stellaria media
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp.
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia Erodium spp.
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia Erodium spp. Lamium amplexicaule
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia Erodium spp. Lamium amplexicaule Polygonum aviculare
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia	Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Amsinckia intermedia Erodium spp. Lamium amplexicaule Polygonum aviculare Kochia scoparia
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters	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
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed	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.
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine	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. Tribulus terrestris
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane	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. Tribulus terrestris Portulaca oleracea
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida	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. Tribulus terrestris Portulaca oleracea Richardia scabra
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania Speedwell, Corn	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum Veronica arvensis
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania Speedwell, Corn Spurge, Annual	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum Veronica arvensis Euphorbia spp.
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania Speedwell, Corn Spurge, Annual Spurge, Prostrate	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum Veronica arvensis Euphorbia spp. Chamaesyce humistrata
Burweed, Lawn Carpetweed Chickweed, Common Chickweed, Mouseear Clover, Hop Cudweed Evening primrose Fiddleneck Filaree Henbit Knotweed, prostrate Kochia Lambsquarters Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania Speedwell, Corn Spurge, Annual Spurge, Prostrate Woodsorrel, Yellow Velvetleaf (Buttonweed)	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. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicum Veronica arvensis Euphorbia spp.

Turfgrass

Residential, Golf Course, Commercial and other Non-residential Sites

Application Rates For Preemergence Weed Control¹

Turfgrass Species	Weed	Pendulum [®] 0.66% Plus Fertilizer Rate	Comment
Cool-season Grass			
Bluegrass, Kentucky Fescue, fine Fescue, tall Ryegrass, perennial	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	All Turf Uses 227-303 lbs/acre as the initial application before weed germination in the spring	Apply a repeat application of 152-227 lbs/acre after 5-8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	Residential and Sod Farm Turf Uses Only ² 227-303 lbs/acre in the spring before weed germination	Apply a repeat application of 152 lbs/acre after 5-8 weeks if the lower rate was used initially or for extended goosegrass control.
		Golf Course, Commercial and other Non-residential Turf Sites 227-455 lbs/acre in the spring before weed germination	
	cudweed Poa annua chickweed lawn burweed henbit corn speedwell	All Turf Uses 227-303 lbs/acre	Apply in late summer or early fall before weed germination. Apply a repeat application of 227-303 lbs/acre after 5-8 weeks for extended <i>Poa annua</i> control.

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Turfgrass Species	Weed	Pendulum [®] 0.66% Plus Fertilizer Rate	Comment
Cool-season Grass (co	ontinued)		
Bentgrass or established <i>Poa annua</i> ³ (1/2 inch or taller)	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	All Turf Uses (Non-greens and Tees) 227 lbs/acre in the spring before weed germination	Apply a repeat application of 152-227 lbs/acre after 5-8 weeks where heavy weed infestations are expected.
	goosegrass	All Turf Uses (Non-greens and Tees) 227 lbs/acre in the spring before weed germination	Apply a repeat application of 227 lbs/acre after 5-8 weeks for extended control.
	cudweed <i>Poa annua</i> chickweed lawn burweed henbit corn speedwell	All Turf Uses (Non-greens and Tees) 227-303 lbs/acre	Apply in late summer or early fall before weed germination.

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Application Rates For Preemergence Weed Control¹(continued)

Pendulum[®] 0.66% Plus **Turfgrass Species** Weed Comment **Fertilizer Rate** Warm-season Grass **Residential and Sod Farm** Turf Uses Only² 227-303 lbs/acre in the spring **Bahiagrass** crabgrass Apply a repeat foxtail **Bermudagrass** before weed germination application of Poa annua 152-227 lbs/acre **Buffalograss** barnyardgrass after 5-8 weeks if Centipedegrass Fescue, tall fall panicum Golf Course, Commerical necessary. St. Augustinegrass oxalis and other Non-residential prostrate spurge **Turf Sites** Zoysiagrass purslane 227-455 lbs/acre in the spring knotweed before weed germination evening primrose hop clover All Turf Uses (Non-greens and Tees) 227 lbs/acre before weed An additional goosegrass germination in the spring. application of Apply a repeat application of 227 lbs/acre may be 227-303 lbs/acre after applied for extended goosegrass control 5-8 weeks. 8 weeks after the second application. All Turf Uses 227-303 lbs/acre Apply in late summer cudweed Poa annua or early fall before chickweed weed germination. lawn burweed Apply a repeat henbit application of 227-303 lbs/acre after corn speedwell 5-8 weeks for extended Poa annua control.

Application Rates For Preemergence Weed Control¹(continued)</sup>

¹ DO NOT exceed a maximum rate of 303 pounds per acre per application for use on residential turfgrass and sod farm turfgrass.

DO NOT exceed a maximum rate of 455 pounds **per acre per application** for use on golf course turfgrass, commercial or other non-residential turfgrass sites.

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

³ Not for use on bentgrass or Poa annua greens or tees.

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Turfgrass Precautions

Use on well-established turfgrass with a dense and uniform stand. On newly planted areas, application should not be made until turfgrass has filled in and been mowed at least 4 times. On turf thinned or damaged because of winter injury, excessive moisture, etc., allow for turf recovery before making an application.

Applications made to overseeded warm-season turfgrass 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 **Pendulum[®] 0.66% Plus Fertilizer** 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 control than those found in fine turf. **Pendulum 0.66% Plus Fertilizer** will control annual grasses and broadleaf weeds listed for cool-season and warm-season grass, and the following weeds that might germinate in established grass 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. Use a postemergence herbicide such as 2,4-D; MCPA; MSMA; or similar product to control established weeds.

Landscape and Grounds Maintenance

Pendulum 0.66% Plus Fertilizer 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 not 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 before an application of **Pendulum 0.66% Plus Fertilizer**. **Pendulum 0.66% Plus Fertilizer** may be used before or after application of herbicides registered for postemergence use (i.e. **Segment[®] herbicide**, **Roundup PRO[®] herbicide** or **Finale[®] herbicide**) for the control of established weeds.

DO NOT apply sprays containing **Roundup[®] herbicide** or **Finale** over the top of desirable plants, and follow label restrictions. A **Pendulum 0.66% Plus Fertilizer** treatment may be followed by any registered herbicide to control weeds not listed on the **Pendulum 0.66% Plus Fertilizer** label.

Ornamental Bulbs

Pendulum 0.66% Plus Fertilizer may be applied for control of susceptible annual weeds in ornamental bulbs listed on the label (crocus, daffodil (narcissus), gladiolus, tulip, etc.). Apply **Pendulum 0.66% Plus Fertilizer** before, during or after bulb emergence. If weeds have already germinated, use a labeled postemergence herbicide to control emerged weeds.

Wildflowers

Pendulum 0.66% Plus Fertilizer 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.). **Pendulum 0.66% Plus Fertilizer** may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed, apply **Pendulum 0.66% Plus Fertilizer** after wildflowers have emerged but before weed germination. If weeds have already germinated, use a labeled postemergence product to control emerged weeds. Because of the diversity of species and varieties which exist in areas where wildflowers are grown, the response to **Pendulum**[®] **0.66% Plus Fertilizer** may vary greatly. Carefully test desirable species to determine if area-wide applications can be made.

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Ornamental Precautions

Apply **Pendulum 0.66% Plus Fertilizer** 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 **Pendulum 0.66% Plus Fertilizer** 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 **Pendulum 0.66% Plus Fertilizer** or injury may occur.

Tolerant Ornamental Species

Pendulum 0.66% Plus Fertilizer 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	<i>Tilia</i> spp.	
Birch, European Weeping	Betula pendula	
Birch, River	Betula nigra	
Buckeye, Red	Aesculus pavia	
Cedar, White	Thuja occidentalis	
Chamaecyparis, Boulevard	Chamaecyparis pisifera	
Cherry, Black	Prunus serotina	
Cherry, Choke	Prunus virginiana	
Cherry, Kwanzan	Prunus serrulata	
Cherry, Nanking	Prunus tomentosa	
Cottonwood	Populus deltoides	
Crabapple	Malus spp.	
Crape Myrtle	Lagerstroemia indica	
Cryptomeria, Japanese Cedar	Cryptomeria japonica	
Cypress, Bald	Taxodium distichum	
Cypress, Leyland	Cupressocyparis leylandii	
Dogwood, Flowering	Cornus florida	
Dogwood, Korean	Cornus kousa	
Dogwood, Shrub	Cornus spp.	
Dogwood, Silky	Cornus amomum	
Elm	Ulmus japonica	
Fir. Balsam	Abies balsamae	
Fir, Douglas	Pseudotsuga menziesii	
Fir, Fraser	Abies fraseri	
Fir, White	Abies concolor	
Franklinia	Franklinia spp.	
Ginkgo	Ginkgo biloba	
Gum, Black	Nyssa sylvatica	
Gum, Sour	Nyssa sylvatica	
Haw, Black	Viburnum prunifolium	
Hawthorn	Crataegus spp.	

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	lema species (conunuea)
Trees (continued)	
Common Name	Scientific Name
Hemlock, Canada	Tsuga canadensis
Hemlock, Eastern	Tsuga canadensis
Holly, American	llex opaca
Honeylocust	Gleditsia triacanthos
Lilac, Common Syringa vulgaris	
Lilac, Japanese Tree	Syringa reticulata
Linden	Tilia spp.
Magnolia, Saucer	Magnolia soulangiana
Magnolia, Southern	Magnolia grandiflora
Magnolia, Star	Magnolia stellata
Maidenhair Tree	Ginkgo biloba
Maple, Paper-bark	Acer griseum
Maple, Norway Acer platanoides	
Maple, Japanese	Acer palmatum
Maple, Red	Acer rubrum
Maple, Sugar	Acer saccharum
Nannyberry, Rusty	Viburnum rufidulum
Oak, Chinquapin	Quercus muehlenbergii
Oak, Live	Quercus virginiana
Oak, Pin	Quercus palustris
Oak, Red	Quercus rubra
Oak, Swamp Chestnut	Quercus michauxii
Oak, Water	Quercus nigra
Oak, White	Quercus alba
Oak, Willow	Quercus phellos
Olive	Olea europaea
Palm, Date	Phoenix spp.
Palm, Fan	Washingtonia spp.
Palm, Pindo	Butia spp.
Palm, Washington	Washingtonia spp.
Peach	Prunus persica
Pear, Bradford	Pyrus calleryana 'Bradford'
Pecan Disc. Austrian	Carya illinoensis
Pine, Austrian	Pinus nigra
Pine, Italian Stone	Pinus pinea Dinus teodo
Pine, Loblolly	Pinus taeda
Pine, Monterey	Pinus radiata
Pine, Red	Pinus resinosa Binus autoretria
Pine, Scotch	Pinus sylvestris
Pine, Virginia	Pinus virginiana
Pine, White	Pinus strobus
Plum, Purple Leaf	Prunus cerasifera
Poplar, Black Bedeeder, Eastern	Populus nigra
Redcedar, Eastern Redcedar, Western	Juniperus virginiana Thuia pliaeta
Red Ironbark	Thuja plicata Europhytus siderovylon 'Posoo'
Redwood, Dawn	Eucalyptus sideroxylon 'Rosea' Metasequoia glyptostroboides
	Sequoiadendron giganteum
Sequoia, Giant	Amelanchier laevis
Serviceberry Sourwood	
	Oxydendrum arboreum
Spruce, Colorado Blue	Picea pungens Picea glauga 'Albertiana'
Spruce, Dwarf Alberta Spruce, Norway	<i>Picea glauca</i> 'Albertiana' <i>Picea abies</i>
Spruce, Norway	r ilea adies

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Tolerant Ornamental Species (continued)

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Trees (continued)		
Common Name	Scientific Name	
Spruce, White	Picea glauca	
Sweetgum	Liquidambar styraciflua	
Sycamore	Platanus occidentalis	
Trachycarpus	Trachycarpus spp.	
Tulip tree	Liriodendron tulipifera	
Walnut, Black	Juglans nigra	
Willow, Weeping	Salix babylonica	
Yellowwood	Cladrastis lutea	
Shrubs		
Common Name	Scientific Name	
Abelia, Glossy	Abelia grandiflora	
Aucuba, Gold	Aucuba japonica	
Azalea	Rhododendron spp.	
Bamboo, Heavenly	Nandina domestica	
Barberry	Berberis gladwynensis	
Barberry, Japanese	Berberis thunbergii	
Blue Indigo Bush	Dalea gregii	
Bottlebrush, Lemon	Callistemon citrinus	
Boxwood, Common	Buxus sempervirens	
Boxwood, Japanese	Buxus microphylla	
Brittlebush	Encelia farinosa	
Buttonbush	Cephalanthus occidentalis	
Camellia	Camellia japonica	
Cape Jasmine	Gardenia jasminoides	
Cassia, Feathery	Cassia artemisioides	
Cordyline	Cordyline spp.	
Correa	Correa spp.	
Cotoneaster	Cotoneaster apiculatus	
Cotoneaster, Bearberry	Cotoneaster dammeri	
Cotoneaster, Rock	Cotoneaster horizontalis	
Cypress, Italian	Cupressus sempervirens	
Cypress, Leyland	Cupressocyparis leylandii	
Deutzia, Slender	Deutzia gracilis	
Dogwood, Red Twig	Cornus sericea	
Elaeagnus	Elaeagnus ebbingei	
Escallonia	Escallonia fradesii	
Euonymus	Euonymus fortunei	
Euonymus, Golden	Euonymus japonica	
Euonymus, Winged	Euonymus alata	
Firethorn	Pyracantha coccinea	
Forsythia, Border	Forsythia intermedia	
Fragrant Olive	Osmanthus fragrans	
Fuchsia, California	Zauschineria californica	
Gardenia	Gardenia jasminoides	
Hawthorne, Indian	Raphiolepis indica	
Hibiscus	Hibiscus syriacus	
Holly, Chinese	llex cornuta	
Holly, Fosters	Ilex attenuata 'Fosteri'	
Holly, Japanese	llex crenata	
Holly, Savannah	llex attenuata	
Holly, Yaupon	llex vomitoria	
	iiox voimitoria	

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Tolerant Ornamental Species (continued) Shrubs (continued)		
Honeysuckle, Bush	Diervilla Ionicera	
Hopseed Bush	Dodonaea viscosa	
Hopbush	Dodonaea viscosa	
Hydrangea	Hydrangea macrophylla	
Juniper	Juniperus spp.	
Juniper, Chinese	Juniperus chinensis v. pfitzer	
Juniper, Shore	Juniperus conferta	
Juniper, Trailing	Juniperus horizontalis	
Laurel, Cherry	Prunus laurocerasus	
Laurel, Mountain	Kalmia latifolia	
Laurel, Otto Luyken	Prunus laurocerasus	
Laurel, Schipka		
Laurustinus	Prunus schipkanensis Viburnum tinus	
Lavender, English	Lavandula angustifolia	
Leucothoe	Leucothoe fontanesiana	
Leucothoe, Coast	Leucothoe axillaris	
Lilac, Cut-leaf	Syringa laciniata	
Lily-of-the-Nile	Agapanthus africanus	
Mahonia Maak Orange	Mahonia aquifolium	
Mock Orange	Pittosporum tobira	
Myrtle, Compact	Myrtus communis	
Myrtle, Wax	Myrica cerifera	
Nandina	Nandina domestica	
Oleander	Nerium oleander	
Oregon Grape	Mahonia aquifolium	
Osmanthus	Osmanthus fragrans	
Palm, European Fan	Chamaerops humilis	
Palm, Mediterranean Fan	Chamaerops spp.	
Phlox, Prickly	Leptodactylon californicum	
Photinia, Fraser	Photinia x fraseri	
Pieris, Japanese	Pieris japonica	
Pine, Mugo	Pinus mugo	
Plum, Natal	Carissa grandiflora	
Privet, California	Ligustrum ovalifolium	
Privet, Glossy	Ligustrum lucidum	
Privet, Variegated	Ligustrum sinensis	
Privet, Waxleaf	Ligustrum japonicum	
Pyracantha	Pyracantha coccinea	
Quince, Flowering	Chaenomeles japonica	
Ranger, Texas	Leucophyllum frutescens	
Redroot	Ceanothus spp.	
Rhododendron	Rhododendron spp.	
Robira	Pittosporum tobira	
Rose	Rosa spp.	
Spice Plant	Illicium parviflorum	
Spirea	Spiraea vanhouttei	
Spirea, Anthony Waterer	Spiraea x bumalda	
Spirea, Japanese	Spiraea japonica	
Sweet Bay	Laurus nobilis	
Trumpet Bush	Tecoma stans	
Verbena, Lemon	Aloysia triphylla	
Viburnum	Viburnum suspensum	
Vitex	Vibarian saspensari Vitex spp.	
VICA	νπελ σμμ.	
	vitox opp.	

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Scientific Name

Weigela florida

Ceanothus spp.

Xylosma congestum

Podocarpus macrophyllus

Wisteria spp.

Tecoma stans

Taxus cuspidata

Yucca pendula

Yucca filamentosa

Taxus media

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Shrubs (continued)

Common Name Weigela Wild Lilac Wisteria Xylosma Yellowbells Yew Yew, Japanese Yew, Southern Yucca, Adam's Needle Yucca, Weeping

Ground Covers

Common Name	Scientific Name
Ajuga	Ajuga reptans
Baby Sun Rose	Aptenia cordifolia
Beach Strawberry	Fragaria chiloensis
Capeweed	Arctotheca calendula
Cinquefoil, Spring	Potentilla verna
Coyotebrush, Dwarf	Baccharis pitularis
Daisy, Trailing African	Osteospermum fruticosum
Dymondia	Dymondia margaretae
Gazania	Gazania splendens
Iceplant, Large Leaf	Carpobrotus edulis
lvy, English	Hedera helix
Ivy, Geranium	Pelargonium peltatum
Jasmine, Asiatic	Trachelospermum asiaticum
Jasmine, Primrose	Jasminum mesnyi
Jessamine, Carolina	Gelsemium sempervirens
Manzanita, Bearberry	Arctostaphylos uva-ursi
Miscanthus	Miscanthus spp.
Mondograss	Ophiopogon japonica
Morningglory	Convolvulus spp.
Myoporum	Myoporum parviflolium
Pachysandra	Pachysandra terminalis
Periwinkle, Common	Vinca minor
Potentilla	Potentilla fruticosa
Red Apple	Aptenia cordifolia
Rosemary	Rosemarinus officinalis
Rose-of-Sharon	Hypericum calycinum
Sand Strawberry	Fragaria chiloensis
Sedum	Sedum spurium
St. Johnswort, Creeping	Hypericum calycinum
Stonecrop	Sedum spurium
Verbena, Peruvian	Verbena peruviana
Vervain	Verbena peruviana
Vetch, Crown	Vicia sativa
Vinca or Greater Periwinkle	Vinca major
Wintercreeper	Euonymous fortunei

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Common Name	Scientific Name
Acacia	Acacia redolens
Asparagus	Acacia redolens Asparagus spp.
Aster, New York	Asparagus spp. Aster novi-belgii
	Stokesia laevis
Aster, Stokes	
Astilibe (False Spirea)	Astilibe spp.
Babys Breath	Gypsophila elegans
Beard-tongue	Penstemon spp.
Bellflower	Campanula spp.
Bird of Paradise	Caesalpinia pulcherrima
Black-eyed Susan	Rudbeckia hirta
Blanket Flower	Gaillardia x grandiflora
Bleeding Heart	Dicentra spectabilis
Butterfly Weed	Asclepias tuberosa
California Poppy	Eschscholzia california
Calla Lily	Zantedeschia aethiopica
Canna, Common Garden	Canna generalis 'Lucifer'
Carex	Carex spp.
Cast Iron plant	Aspidistra elatior
Chincherinchee	Ornithogalum thyrsoides
Clover, Crimson	Trifolium incarnatum
Columbine	Aquilegia 'McKana Giant'
Coreopsis	Coreopsis lanceolata
Crinum Lily	Crinum spp.
Crocus	Crocus spp.
Daffodil	Narcissus spp.
Daylily	Hemerocallis spp.
False dragonhead	Physostegia virginiana
Fairy Duster	Calliandra eriophylla
Fern, Asparagus	Asparagus officinalis
Fern, Boston	Nephrolepis exaltata
Fern, Leatherleaf*	Rumohra adiantiformis
Fern, Tree	Asparagus virgatus
Fortnight Lily	Moraea spp.
Foxglove, Common	Digitalis purpurea
Freesia	Freesia x hybrida Zauschnoria aalifarniaa
Fuchsia, Arizona	Zauschneria californica
Gayfeather	Liatris spp.
Gaillardia	Gaillardia pulchella
Geum	<i>Geum</i> spp.
Gladiolus	Gladiolus spp.
Heather, Dwarf	Calluna vulgaris
Hosta	Hosta spp.
Hyssop, Sunset	Agastache rupestris
ndian Blanket	Gaillardia pulchella
Lantana, Weeping	Lantana montevidensis
Leopards Bane	Doronicum cordatum
Lily	<i>Lillium</i> spp.
Liriope, Big Blue	Liriope muscari
Liriope, Creeping	Liriope spicata
Liriope, Variegated	Liriope muscari
Loosestrife, Garden	Lysimachia punctata
Montbretia	Crocosmia crocosmiiflora

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Perennials (continued)		
Common Name	Scientific Name	
Nightshade	Solanum spp.	
Orchid, Peacock	Acidanthera bicolor	
Oxeye Daisy	Chrysanthemum leucanthemum	
Peony, Chinese	Paeonia lactiflora	
Purple Coneflower	Echinacea purpurea	
Purple Loosestrife	Lythrum virgatum	
Rosemary	Rosmarinus officinalis	
Ruscus, Israeli	Ruscus hypophyllum	
Sage, Russian	Perovskia atriplicifolia	
Sedge	Carex spp.	
Shasta Daisy	Chrysanthemum x superbum	
Sweet Flag	Acorus calamus	
Texas Bluebonnet	Lupinus texenis	
Tickseed	Coreopsis lanceolata	
Tulip	<i>Tulipa</i> spp.	
Twinspur	Diasciascia barbaerae	
Wonder Flower	Ornithogalum thyrsoides	
Yarrow	Achillea millefolium	
Zephyr Lily	Zephyranthes spp.	

*Applications of Pendulum® 0.66% Plus Fertilizer to immature ferns (during periods of new growth of fronds) may result in some injury.

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

Tolerant Ornamental Species (continued

Bedding Plants*

AgeratumAgeratum houstonianumAlyssumAlyssum saxatileAnemone, Poppy-floweredAnemone coronariaArtemesiaArtemesia spp.BalloonflowerPlatycodon grandiflorumBegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaDranthus spp.DianthusDianthus brabatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGloxiniaImpatiens spp.Kale, OrnamentalTagetes erectaMoss RosePortulaca grandifloraMargold, AfricanTagetes erectaMoss RoseChrysanthernum spp.Pany, GardenViola x wittrockianaPerwinkle, RoseCatharanthus roseusPetuniaPetunia spp.Putunosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Common Name	Scientific Name
Anemone, Poppy-floweredAnemone coronariaArtemesiaArtemesia spp.BalloonflowerPlatycodon grandiflorumBegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaDahlia spp.DahliaDahlia spp.DianthusDahlia spp.DianthusDahlia spp.Gazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMum, GardenChiya xuitrockianaPerwinkle, RoseCatharanthus roseusPetuniaPetunia spp.PetuniaPetunia spp.PutunacaCatharanthus roseusPortulacaSpo.SalviaSalvia splendens	Ageratum	Ageratum houstonianum
ArtemesiaArtemesia spp.BalloonflowerPlatycodon grandiflorumBegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmiifloraDahliaDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigensGeraniumGeranium spp.GloxiniaImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMum, GardenViola x wittrockianaPerwinkle, RoseCathranthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulaca SalviaPortulaca grandifloraSalviaSalvia splendensSalviaSalvia splendens	Alyssum	Alyssum saxatile
BalloonflowerPlatycodon grandiflorumBegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmiifloraDahliaDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGeranium spp.GloxiniaImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMum, GardenViola x wittrockianaPeriwinkle, RoseCathranthus roseus or Vinca roseaPetuniaPetunia spp.PetuniaPetunia spp.PutuncaCathranthus roseus or Vinca roseaPortulacaSalviaSalviaSalvia splendens	Anemone, Poppy-flowered	Anemone coronaria
BegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmilforaDahliaDahlia spp.DianthusDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPetuniaPetuniaPlumosa CockscombCelosia cristataPortulacaPortulacaSalviaSalvia splendens	Artemesia	Artemesia spp.
BegoniaBegonia spp.Cabbage, OrnamentalBrassica olereaceaCaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmilforaDahliaDahlia spp.DianthusDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPetuniaPetuniaPlumosa CockscombCelosia cristataPortulacaPortulacaSalviaSalvia splendens	Balloonflower	Platycodon grandiflorum
CaladiumCaladium spp.China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmiifloraDahliaDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.PetuniaPetunia spp.PetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Begonia	
China AsterCallistephus chinensisCrocosmia, MontebretiaCrocosmia x crocosmiifloraDahliaDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGeranium spp.GloxiniaGloxinia simmingiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPetuniaPetunia spp.PetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaSalviaSalviaSalvia splendens	Cabbage, Ornamental	Brassica olereacea
Crocosmia, MontebretiaCrocosmia x crocosmiifloraDahliaDahlia spp.DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigens leucolaenaGeraniumGeranium spp.GloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Periwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Caladium	Caladium spp.
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DianthusDianthus barbatusDusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGeranium spp.GloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, Roseor Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Crocosmia, Montebretia	Crocosmia x crocosmiiflora
Dusty MillerSenecio cinerariaGazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGeranium spp.GloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, Roseor Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Dahlia	Dahlia spp.
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Gazania, TrailingGazania rigens leucolaenaGazania, Treasure FlowerGazania rigensGeraniumGeranium spp.GloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Dusty Miller	Senecio cineraria
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GloxiniaGloxinia simningiaImpatiensImpatiens spp.Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens		
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Kale, OrnamentalBrassica napusMarigold, AfricanTagetes erectaMoss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Impatiens	Impatiens spp.
Moss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	•	Brassica napus
Moss RosePortulaca grandifloraMum, GardenChrysanthemum spp.Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Marigold, African	Tagetes erecta
Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens		Portulaca grandiflora
Pansy, GardenViola x wittrockianaPeriwinkle, RoseCatharanthus roseus or Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Mum, Garden	Chrysanthemum spp.
Petuniaor Vinca roseaPetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Pansy, Garden	
PetuniaPetunia spp.Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens	Periwinkle, Rose	Catharanthus roseus
Plumosa CockscombCelosia cristataPortulacaPortulaca grandifloraSalviaSalvia splendens		or Vinca rosea
PortulacaPortulaca grandifloraSalviaSalvia splendens	Petunia	Petunia spp.
Salvia Salvia splendens	Plumosa Cockscomb	Celosia cristata
Salvia Salvia splendens	Portulaca	Portulaca grandiflora
	Salvia	
Snapdragon Antirrhinum majus	Snapdragon	Antirrhinum majus
Statice Limonium spp.		Limonium spp.
Sweet William Dianthus barbatus	Sweet William	· ·
Vinca or Periwinkle Catharanthus roseus	Vinca or Periwinkle	Catharanthus roseus
Zinnia Zinnia spp.	Zinnia	Zinnia spp.

*After planting bedding plants and before **Pendulum[®] 0.66% Plus Fertilizer** is applied, area to be treated should be watered sufficiently to pack soil around roots.

Pendulum 0.66% Plus Fertilizer 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 specified rate. Treated plants should be evaluated 1-2 months following treatment for possible injury. TO THE FULLEST EXTENT PERMITTED BY LAW, 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.

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