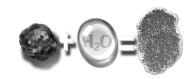
# The Andersons **Professional Turf™ Products Turf Weedgrass Control**

- · Preemergent control of many grassy and broadleaf weeds
- For use in turfgrass, ornamentals, tree plantations and noncropland areas
- Labeled for use in commercial ornamental nurseries
- · Self incorporates with irrigation or rainfall
- Pendimethalin 1.71%



**Dispersing Granule Technology** 

**ACTIVE INGREDIENT:** INERT INGREDIENTS: 98.29% 

EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A Underlined letter is first letter used in run code on bag

## KEEP OUT OF REACH OF CHILDREN **CAUTION**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### FIRST AID

If swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information

CAUTION. Causes eye irritation. Avoid contact with eyes, skin or clothing. May be harmful if swallowed. Avoid inhalation Personal Protective Equipment

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, nitirile rubber >14 mils, or neoprene rubber >14 mils, shoes plus socks.

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

### User Safety Recommendations:

- 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.
- · Users should 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.

Engineering Controls: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240)(d)(4-6), the handler PPE requirements may be reduced or modified

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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. In case of spills, either collect for use or dispose of properly.

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

Do not apply this product in greenhouses. Shadehouses, or other enclosed structures.

The Andersons, 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 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

Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

### 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 requirenents 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 apply only 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, nitirile 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 apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

This product is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in and around any established turfgrass site (lawns, sod, turf areas), container grown, liner grown and field grown ornamental nurseries, established landscape ornamentals, established perennial & wildflower plantings, conifer and hardwood seedling nurseries, tree plantation site preparation and maintenance, non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities, facilities including substations, tankfarms, pumping stations, parking & storage areas, ungrazed fencerows, and paved or gravel surfaces.

This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.2 inch of rainfall or irrigation prior to weed seed germination and within 30 days following application.

Do not graze or feed livestock forage cut from areas treated with this product. Do not use on plants grown for food or feed. Do not use treated

If weed germination is delayed or extended over a longer period of time due to unusually wet, cold or hot and dry environmental conditions, weed

This product will not cause injury to desired plants listed on this label when applied according to label directions under normal growing conditions. Over or uneven application can cause injury, soil residues or decreased weed control

Application of this product to plant and seedlings weakened or stressed by conditions such as disease, drought, low fertility, cold weather, high soil pH or salt concentration, or pest damage may result in plant injury.

GRASSES

This product may cause temporary staining of surfaces such as cement, shoes or clothing. Product should be removed promptly by sweeping. Do not allow product to get on metallic surfaces.

### APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated application equipment.

### WEEDS CONTROLLED

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Common Name	Scientific Name	Common Name	Scientific Name
Barnyardgrass	Echinochioa crus-galli	Lovegrass (from seed)	Eragrostis spp.
Bluegrass, annual	Poa annua	Panicum, browntop	Panicum fasciculatum
Crabgrass	Digitaria spp.	Panicum, fall	Panicum dichotomiflorum
Crowfootgrass	Dactyloctenium aegyptium	Panicum, Texas	Panicum texanum
Foxtail, giant	Setaria faberi	Sandbur, field	Cenchrus incertus
Foxtail, green	Setaria viridis	Signalgrass	Brachiaria platphylla
Foxtail, yellow	Setaria glauca	Sprangletop, Mexican	Leptochloa uninérvia
Goosegrass	Eleusine indica	Sprangletop, red	Leptochloa filiformis
Itchgrass	Rottboellia exaltata	Witchgrass	Panicum capillare
Johnsongrass (from seed)	Eragrostis spp.	Wooly cupgrass	Eriochloa villosa

### BROADI FAFWEEDS

BROADLEAF WEEDS				
Common Name Burweed, lawn Carpetweed Chickweed, common Chickweed, mouseear Clover, hop Cudweed Evening primrose Fiddleneck Fillaree Henbit Knotweed, prostrate Kochia Lambsquarters	Scientific Name Soliva pterosperma Mollugo verticillata Stellaria media Cerastium vulgatum Trifolium procumbens Gnaphalium spp. Oenothera biennis Armsinckia intermedia Erodium spp. Lamium amplexicaule Polygonum aviculare Kochia scoparia Chenopodium album	Common Name Pigweed Puncturevine Purslane Pusley, Florida Rocket, London Shepherdspurse Smartweed, Pennsylvania Speedwell, corn Spruge, annual Spruge, prostrate Woodsorrel, yellow Velvetleaf (Buttonweed)	Scientific Name Amaranthus spp. Tribulus terrestris Portulaca oleracea Richardia scabra Sisymbrium irio Capsella bursa-pastoris Polygonum pensylvanicur Veronica arvensis Euphorbia spp. Euphorbia numistrata Oxalis stricta Abutilon theophrasti	

For use on any turfgrass site (lawns, sod, turf areas). These sites include: grounds or lawns around residential and commercial establishments. golf courses, parks, multifamily dwellings, military and other institutions, athletic fields, schools, cemeteries, roadsides, airports, houses of worship,

For residential turf and sod farm use, the maximum application rate is 2 lbs. active ingredient (117 lbs. product) per acre. Residential turf is any turf in a residential setting, including schools, parks and playgrounds.

NOT for use on dichondra.

### Application Rates for Turf Uses:

	Turfgrass Species	Weeds	Rates of Turf Weedgrass Control	Comments	
	Cool Season Grasses				
	Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	Barnyardgrass Crabgrass Evening primrose Fall panicum Foxtail Hop clover Knotweed Oxalis Poa annua Prostrate spurge Purslane	88 – 117 lbs/acre as the initial application prior to weed germination	Apply a repeat application of 59 – 88 lbs/acre after 5 – 8 weeks for extended control or where heavy weed infestations are expected.	
		Goosegrass	Residential Turf/Sod Farm Uses only: 88 – 117 lbs/acre in the spring prior to weed germination. Industrial and Commercial Turf Uses: 88 – 175 lbs/acre in the spring prior to weed germination.	Apply a repeat application after 5 – 8 weeks at 88 lbs/acre if lower rate was used initially or for extended goosegrass control.	
		Chickweed Corn Speedwell Cudweed Henbit Lawn Burweed Poa annua	88 – 117 lbs/acre	Apply in late summer or early fall prior to weed germination.	
	Bentgrass and established Poa annua (½ inch height or taller.)  Not for use on Bentgrass or Poa annua greens and tees	Barnyardgrass Crabgrass Evening primrose Fall panicum Foxtail Hop clover Knotweed Oxalis Poa annua Prostrate spurge Purslane	88 lbs/acre in the spring prior to weed germination.	Apply a repeat application of 59 – 88 lbs/acre after 5 – 8 weeks where heavy weed infestations are expected.	
		Goosegrass	88 lbs/acre in the spring prior to weed germination with a repeat application of 88 lbs/acre after 5 – 8 weeks.		
		Chickweed Corn Speedwell Cudweed Henbit Lawn Burweed <i>Poa annua</i>	88 – 117 lbs/acre	Apply in late summer or early fall prior to weed germination.	
	Turfgrass Species	Weeds	Rates of Turf Weedgrass Control	Comments	
Ì	Warm Season Grasses				
	Bahiagrass Bermudagrass Buffalograss Centipedegrass Paspalum, seashore St. Augustinegrass Tall fescue Zoysiagrass	Barnyardgrass Crabgrass Evening primrose Fall panicum Foxtail Hop clover Knotweed Oxalis Poa annua Prostrate spurge Purslane	Residential Turf/Sod Farm Uses only: 88 – 117 lbs/acre in the spring prior to weed germination.  Industrial and Commercial Turf Uses: 88 – 175 lbs/acre in the spring prior to weed germination.	Apply a repeat application of 59 – 88 lbs/acre after 5 – 8 weeks if necessary.	
		Goosegrass	88 –117 lbs/acre prior to weed germination.	Apply a repeat application of 88 – 117 lbs/acre to extend control of goosegrass or if the lower rate is used initially. For extended goosegrass control, an additional application of 88 lbs/acre may be applied 8 weeks after second application.	
	Application Timing and Infor	Chickweed Corn Speedwell Cudweed Henbit Lawn Burweed Poa annua	88 – 117 lbs/acre	Apply in late summer or early fall prior to weed germination.	

Apply product uniformly to dry foliage at the listed rate with a properly calibrated spreader. Water after application (0.2–0.5 inch) to remove the granules from the foliage and to move the product to the surface of the soil. Do not mow treated area until product has been watered in and turf foliage has dried. Do not destroy the chemical barrier created at the soil surface by raking or aerifying subsequent to application.

This product is a preemergence herbicide and will not control emerged weeds. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, shallow cultivation or the use of an appropriate postemergence herbicide. To control weeds not listed on this label, an application of an appropriate herbicide may follow

This product can be applied before or after postemergence herbicides that are used for control of emerged weeds.

(continued on page 2)

### Poa annua control

Applied in mid-August to mid-October before germination, this product prevents the emergence of Poa annua seedlings. Do not make a repeat application until the following spring.

Applied in the fall, this product also controls annual dicot weeds germinating during this time of year, such as henbit and chickweed.

### Restrictions for Turf Uses:

Do not apply this product to cool season turfgrasses when temperatures are regularly in the high 80s.

Do not apply more than a cumulative total of 177 lbs. of product/acre (3.0 lbs. active ingredient/acre) per year on bentgrass and Poa annua; 354 lbs. of product/acre (6.0 lbs. active ingredient/acre) per year on cool season turfgrasses; and 528 lbs. of product/acre (9.0 lbs. active ingredient/acre) per vear on warm season turfgrasses.

Do not apply to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water. If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5–10 MPH) due to its staining potential.

### Precautions for Turf Uses:

On turf that has been severely thinned due to winter damage, excessive soil moisture, low temperature – below 40°F, scalping, insects, disease, etc. wait until turf has filled in and rooting of stolons/rhizomes is complete and desired turf density is achieved before applying.

Delay seeding, reseeding, or winter overseeding by 3 months and sprigging by 5 months after last application.

On newly planted areas, wait until the grass has been moved at least 4 times and has filled in.

### Bermudagrass and $\frac{1}{2}$ inch Height or Taller Bentgrass and Poa annua

When applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be more extensive on low-cut bermudagrass and on sandy soils.

Where turf thinning or damage has occurred due to winter injury, wait until green-up, fill-in and good rooting before making an application.

Application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass or *Poa annua* after late summer.

### SPREADER SETTINGS FOR TURF USES

**Spreader Settings**These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product 40 lbs. treats 30,700 sq. ft. at 59 lbs. product/acre - (1.3 lbs/1,000 sq. ft.) LOW RATE

40 lbs. treats 20,000 sq. ft. at 88 lbs. product/acre - (2.0 lbs/1,000 sq. ft.) MEDIUM RATE 40 lbs. treats 14,800 sq. ft. at 117 lbs. product/acre - (2.7 lbs/1,000 sq. ft.) HIGH RATE 40 lbs. treats 10,000 sq. ft. at 175 lbs. product/acre - (4.0 lbs/1,000 sq. ft.) HEAVY RATE

40 lbs. treats 10,000 sq. it. at 170 lbs. productacre - (4.0 lbs/1,000 sq. it.) TiEAV I HATE						
			SPREADER SETTINGS			
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE 1.0 lbs. ai/A	MEDIUM RATE 1.5 lbs. ai/A	HIGH RATE 2.0 lbs. ai/A	HEAVY RATE 3.0 lbs. ai/A
Andersons Model 2000 (cone 9); Andersons 2000 SR (cone 9)	3 mph	9 feet	G 1/4	G 3/4	H 1/2	J
Andersons LCO-1000	3 mph	9 feet	G 1/4	G 3/4	H 1/2	J
Andersons SSD / SS-2 Drop	3 mph	overlap wheels	2 1/2	3	3 1/4	4
Scotts R-8A (cone 9)	3 mph	9 feet	F 1/4	F 3/4	H 1/2	I
Lesco 020093 (pattern: open)	3 mph	7 feet	B 1/2	С	C 3/4	D 1/2
Lesco 705698 (pattern: open)	3 mph	7 feet	7	8	9 1/2	11
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-A	4.5 mph	25 feet	3	3 1/4	3 1/2	4 1/4
Vicon (03 series)	4.5 mph	22 feet	10	13	16	20

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired

### CONTAINER, FIELD GROWN AND LANDSCAPE ORNAMENTALS

This product may be applied for residual preemergence weed control in ornamentals, including trees, shrubs, ground covers, perennials, bedding

### **Application Rates for Ornamental Uses**

Apply this product at the following rates in the fall and/or spring prior to weed emergence.

Length of Control	lb. ai/A	Ib. Product/Acre	lb. Product/1,000 sq. ft.
2 – 4 months	2.0	117	2.7
6 – 8 months	4.0	234	5.4

Application amounts for individual containers:

Pot 117# pe		per acre	234# po	er acre
Diameter (inches)	Gram(s) ProPendi DG/pot	Teaspoon(s) ProPendi DG/pot	Gram(s) ProPendi DG/pot	Teaspoon(s) ProPendi DG/pot
4	0.11	1/34	0.21	1/18
5	0.17	1/22	0.33	1/11
6	0.24	1/15	0.48	1/8
7	0.33	1/11	0.65	1/6
8	0.42	1/9	0.85	1/4
9	0.54	1/7	1.08	2/7
10	0.66	1/6	1.33	1/3
11	0.8	1/5	1.61	1/2
12	0.96	1/4	1.91	1/2
13	1.12	2/7	2.24	2/3
14	1.3	1/3	2.6	5/8
15	1.49	2/5	2.99	3/4
16	1.7	1/2	3.4	1
17	1.92	1/2	3.84	1
18	2.15	5/9	4.3	1 1/7
19	2.4	2/3	4.79	1 1/4
20	2.66	3/4	5.31	1 2/5
21	2.93	3/4	5.86	1 1/2

Pot	117# p	er acre	234# po	er acre
Diameter (inches)	Gram(s) ProPendi DG/pot	Teaspoon(s) ProPendi DG/pot	Gram(s) ProPendi DG/pot	Teaspoon(s) ProPendi DG/pot
22	3.21	5/6	6.43	1 3/4
23	3.51	1 1	7.02	1 3/4
24	3.82	1 1	7.65	2
25	4.15	1 1/9	8.3	2 1/4
26	4.49	1 1/5	8.98	2 2/5
27	4.84	1 1/3	9.68	2 1/2
28	5.2	1 2/5	10.41	2 3/4
29	5.58	1 1/2	11.17	3
30	5.98	1 2/3	11.95	3 1/5
31	6.38	1 3/4	12.76	3 1/3
32	6.8	1 5/6	13.6	3 2/3
33	7.23	2	14.46	3 3/4
34	7.67	2	15.35	4 1/9
35	8.13	2 1/6	16.27	4 1/3
36	8.6	2 1/3	17.21	4 2/3
37	9.09	2 1/2	18.18	4 3/4
38	9.59	2 1/2	19.17	5 1/8
39	10.1	2 3/4	20.2	5 1/2
40	10.62	2 3/4	21.24	5 2/3
41	11.16	3	22.32	6
42	11.71	3 1/8	23.42	6 1/4

### Application Timing and Information

This product is a preemergence herbicide and will not control emerged weeds. Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, shallow cultivation or the use of an appropriate postemergence herbicide. To control weeds not listed on this label, an application of an appropriate herbicide may follow application of this product.

Apply this product to dry foliage only. Overhead irrigation or rainfall soon after application will wash granules off plant foliage and activate this

For control of susceptible annual weeds in bulbs listed on the label, apply this product anytime before, during or after bulb emergence.

For control of susceptible annual weeds in established wildflower plantings listed on the label, apply this product prior to emergence of weeds or wildflowers. For wildflowers being grown from seed, apply after emergence of the wildflowers, but prior to weed emergence or germination. Weed control may vary due to the species and varieties of wildflowers. Treat desirable plants to determine if acceptable for wide spread use.

### Restrictions for Ornamental Uses

Do not apply this product in greenhouses, Shadehouses, or other enclosed structures.

### Precautions for Ornamental Uses

Apply this product to established ornamentals. Applications to plants grown in seedbeds, liners or transplant beds should be delayed until the roots are well established. For transplanted plants, be sure the soil or potting mix has settled with no cracks that would allow this product to come in contact with the plant roots. For container grown ornamentals using a bare root liner, delay application 2–4 weeks after transplanting.

TDEEC (continued)

In soil that was previously treated with this product, plant only species listed on this label.

Best weed control will be obtained when this product is uniformly applied to soil and media surfaces.

Will not control established weeds.

### **Ornamentals**

This product is safe to apply over the top and around the following established plants. Refer to the Application Rate Table for rates.

TREES		TR	TREES (continued)	
Common Name	Scientific Name	Common Name	Scientific Name	
Alder, European Black	Alnus, glutinosa	Haw, black	Viburnum prunifolium	
Apple	Malus spp.	Hawthorn	Crataegus spp	
Arborvitae, American	Thuja occidentalis	Hemlock, Canada	Tsuga canadensis	
Arbutus	Arbutus spp.	Hemlock, Eastern	Tsuga canadensis	
Ash, red	Fraxinus pennsylvanica	Holly, American	Llex opaca	
Ash, white	Fraxinus americana	Honeylocust	Gleditsia triacanthos	
Aspen, bigtooth	Populus grandidentata	Lilac, common	Syringa vulgaris	
Aspen, quaking	Populus tremuliodes	Lilac, Japanese tree	Syringa reticulate	
Basswood	Tilla spp.	Linden	Tilia spp.	
Birch, European weeping	Betula pendula	Magnolia, saucer	Magnolia soulangiana	
Birch, river	Betula nigra	Magnolia, Southern	Magnolia graandiflora	
Buckeye, red	Aesculus pavia	Magnolia, star	Magnolia stellata	
Cedar, white	Thuja occidentalis	Maidenhair tree	Ginkgo biloba	
Chamaecyparis, boulevard	Chamaecyparis pisifera	Maple, Japanese	Ace palmatum	
Cherry, black	Prunus serotina	Maple, Norway	Acer platanoides	
Cherry, choke	Prunus virginiana	Maple, paper-bark	Acer griseum	
Cherry, Kwanzan	Prunus serrulata	Maple, red	Acer rubrum	
Cherry, Nanking	Prunus tomentosa	Maple, sugar	Acer saccharum	
Cottonwood	Populus deltoides	Nannyberry, rusty	Viburmum rufidulum	
Crabapple	Malus spp.	Oak, chinquapin	Quercus mehlenbergii	
Crepe myrtle	Lagerstroenia indica	Oak, live	Quercus virginiana	
Cryptomeria, Japanese cedar	Cryptomeria japonica	Oak, pin	Quercus palustris	
Cypress, bald	Taxodium distichum	Oak, red	Quercus rubra	
Cypress, Leyland	Cupressocyparis leylandii	Oak, swamp chestnut	Quercus michauxii	
Dogwood, flowering	Cornus florida	Oak, water	Quercus nigra	
Dogwood, Korean	Cornus kousa	Oak, white	Quercus alba	
Dogwood, shrub	Cornus spp.	Oak, willow	Quercus phellos	
Dogwood, silky	Cornus amomum	Olive	Olea europaea	
Elm	Ulmus japonica	Palm, date	Phoenix spp.	
Fir, balsam	Abies balsamae	Palm, fan	Washingtonia spp.	
Fir, Douglas	Pseudotsuga menziesii	Palm, pindo	Butia spp.	
Fir, Fraser	Abies fraseri	Palm, Washington	Washingtonia spp.	
Fir, white	Abies concolor	Peach	Prunus persica	
Franklinia	Franklinia spp.	Pear, Bradford	Pyrus calleryana "Bradford"	
Ginkgo	Ginkgo biloba	Pecan	Carya illioensis	
Gum, black	Nyssa sylvatica	Pine, Austrian	Pinus nigra	
Gum, sour	Nyssa sylvatica	Pine, Italian stone	Pinus pinea	

TREES		TRI	EES (continued)
Common Name	Scientific Name	Common Name	Scientific Name
Pine, loblolly Pine, Monterey Pine, red Pine, Scotch Pine, Virginia Pine, white Plum, purple leaf Poplar, black Redcedar, Eastern Red clar, Eastern Red ironbark Redwood, dawn Sequoia, giant	Pinus taeda Pinus radiata Pinus resinosa Pinus sylvestris Pinus virginiana Pinus strobus Prunus cerasifera Populus nigra Juniperus virginiana Thuja plicata Eucalyptus sideroxylon "Rosea" Metasequoia glyptostroboides Sequoiadendron giganteum	Serviceberry Sourwood Spruce, Colorado Blue Spruce, Warf Alberta Spruce, Norway Spruce, white Sweetgum Sycamore Trachycarpus Tulip tree Walnut, black Willow, weeping Yellowwood	Amelanchier laevis Oxydendrum arboreum Picea pungens Picea glacua "Albertiana" Picea abies Picea glauca Liquidambar styraciflua Platanus occidentalis Trachycarpus spp. Liriodendron tulipifera Juglans nigra Salix babylonica Cladrastis lutea

SI	HRUBS	SHRUB	S (continued)
Common Name	Scientific Name	Common Name	Scientific Name
Abelia, glossy Althaea Aucuba, gold Azalea Bamboo, heavenly Barberry, Japanese Blue indigo bush Bottlebrush, lemon Boxwood, common Boxwood, Japanese Brittlebush Buttonbush Butterfly bush Camellia Cape jasmine Cassia, feathery Cordyline Correa Cotoneaster Cotoneaster, bearberry Cotoneaster, bearberry Cotoneaster, talian Cypress, Leyland Deutzia, slender Dogwood, red twig Elaeagnus Escallonia Euonymus, winged Firethorn Forsythia, border Fragrant olive Fruschia, California Gardenia Hawthorne, Indian Hisbuscus Holly, Chinese Holly, Japanese Holly, Japanese Holly, Savannah Holly, yaupon Honeysuckle, bush Hopbush Hopseed bush Hydrangea Juniper, Chinese Juniper, chinese Juniper, chiore Juniper, chiore Juniper, shore Juniper, shore Juniper, shore Juniper, trailing Laurel, cherry Laurel, mountain Laurel, Otto Luyken	Abelia graandiflora Hibiscus syriacus Aucuba japonica Rhodedendron spp. Nandina domestica Berberis gladwynensis Berberis thunbergii Dalea gregii Callistemon citrinus Buxus sempervirens Buxus microphylla Encelia farinosa Cephalanthus occidentalis Buddleia davidii Camellia japonica Gardenia jasminoides Cassia artemisioides Cordyline spp. Correa spp. Correa spp. Cotoneaster apiculatus Cotoneaster horizontalis Cupressus sempervirens Cupressos sempervirens Cupressocyparis leylandii Deulzia gracilis Cornus sericea Elaeagnus ebbingei Escallonia fradesii Euonymus faponica Euonymus japonica Euonymus japonica Euonymus japonica Euonymus fatane Forsythia intermedia Osmanthus frangrans Zauschineria californica Gardenia jasminoides Raphiolepis indica Hibiscus syriacus Ilex attenuate Ilex attenuate Ilex vomitoria Diervilla Lonicera Dodonaea viscosa Dodonaea viscosa Dodonaea viscosa Dodonaea viscosa Hydrangea macrophylla Juniperus conierta Juniperus conierta Juniperus conierta Juniperus conferta Juniperus conferta Juniperus conferta Juniperus conferta Juniperus conferta Juniperus conferta	Laurel, Schipka Laurustinus Lavender, English Leucothoe Leucothoe, coast Lilac, cut-leaf Lily-of-the-Nile Mahonia Mock orange Myrtle, compact Myrtle, wax Nandina Oleander Oregon grape Osmanthus Palm, European fan Palm, Mediterranean fan Phlox, prickly Photinia, Fraser Pieris, Japanese Pine, mugo Plum, natal Privet California Privet, glossy Privet, variegated Pryracantha Quince, flowering Ranger, Texas Redroot Rhododendron Robira Rose Rose-of-Sharon Spiraea, Anthony Waterer Spiraea, Appanese Spiraea, Appanese Sweet bay Trumpet bush Verbana, lemon Viburnum Vitex Wiegela Wild illac Wisteria Xylosma Yellowbells Yew, Japanese Yew, Southern Yucca, Adam's needle Yucca, weeping	Prunus schipkanensis Viburmum tinus Lavandula angustifolia Leucothoe fontanesiana Leucothoe axillaris Syringa laciniata Agapanthus africanus Mahonia aquifolium Pittosporum tobira Myrtus communis More aquifolium Osmanthus fragrans Chamaerops humllis Chamaerops humllis Chamaerops humllis Chamaerops humlis Chamaerops humlis Chamaerops humlis Chamaerops pinumlis Chamaerops pinumlis Chamaerops humlis Chamaerops humlis Chamaerops humlis Chamaerops humlis Chamaerops humlis Chamaerops humlis Ligustrum oliforium Pieris japonica Ligustrum ovalifolium Ligustrum lucidum Ligustrum valifolium Ligustrum japonicum Pyracantha coccinea Chaenomeles japonica Leucophyllum frutescens Caenothus spp. Rhododendron spp. Pittosporum tobira Rosa spp. Hibiscus syriacus Illicium parviflorum Spiraea xahmouttei Spiraea xahmouttei Spiraea yaponica Laurus nobilis Tecoma stans Aloysia triphylla Viburnum suspensum Vitex spp. Weigela florida Ceanothus spp. Wisteria spp. Xylosma congestum Tecoma stans Taxus media Taxus cuspidata Podocarpus macrophyllus Yucca filamentosa Yucca pendual

GROUND COVERS		GROUND COVERS (continued)	
Common Name	Scientific Name	Common Name	Scientific Name
Ajuga Baby sun rose Beach strawberry Capeweed Cinquefoil, spring Coyotebrush, dwarf Daisy, trailling African Dymondia Gazania Iceplant, large leaf Ivy, English Ivy, geranium Jasmine, Asiatic Jasmine, primrose Jessamine, Carolina Mansanita, bearberry Miscanthus	Ajuga reptans Aptenia cordifolia Fragaria chiloensis Arctotheaca calendula Potentilla verna Baccharis pitularis Osteospermum fruticosum Dymondia margaretae Gazania splendens Carpobrotus edulis Hedera helix Pelargonium peltatum Trachelospermum asiaticum Jasminum mesnyi Gelesmium sempervirens Arctostaphylos uva-ursi Miscanthus spp.	Mondograss Morningglory Myoporum Pachysandra Potentilla Red apple Rosemary Rose-of-Sharon St. Johnswort, creeping Sand strawberry Sedum Stonecrop Verbena, Peruvian Vervain Vetch, crown Vinca Wintercreeper	Ophiopogon japonica Convolvulus spp. Myoporum parviflolium Pachysandra terminalis Potentialla fruitcosa Aptenia cordifolia Rosemarinus officinalis Hibiscus syriacus L. Hypericum calycinum Fragaria chiloensis Sedum spurium Sedum spurium Verbena peruviana Verbena peruviana Vicia sativa Vinca minor Euonymous fortunei

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PI	ERENNIALS	PEREN	INIALS (continued)
Common Name	Scientific Name	Common Name	Scientific Name
Acacia Alumroot <sup>1</sup>	Acacia redolens Heuchera sanquinea	Hens and chicks Hopflower orengano	Sempervivum arachnoideum, S. tectorum Origanum libanoticum
Asparagus	Asparagus spp.	Hosta	Hosta spp.
Aster, New York	Aster novi-belgii	Hyssop, Coronado <sup>1</sup>	Agastache aurantiaca
Aster, Stokes	Stokesia laevis	Hyssop, sunset	Agastache rupestris
Astilibe (False spirea)	Astilibe spp.	Ice plant, hardy or yellow	Deloperma nugigenum
Baby's breath	Gypsophila Elegans	Indian blanket	Gaillardia pulchella
Beard's tongue	Penstemon dgitalis, P. x mexicali	Ironweed, New York <sup>1</sup>	Vernonia noveboracensis
Bee balm <sup>1</sup>	Monarda didyma	Jacob's ladder	Polemonium boreale
Bellflower	Campanula spp.	Joepye weed, sweetscented <sup>1</sup>	E. purureum
Bergenia, heart-leaved <sup>1</sup>	Bergenia cordifolia	Lady's-mantle	Alchemilla mollis
Bird of paradise	Caesalpinia pulcherrima	Lantana, weeping	Lantana montevidensis
Black-eyed Susan	Rudbeckia hirta	Lavender, English	Lavandula angustifolia
Blanket flower	Gaillardia x grandiflora	Leopard's bane	Doronicum cordatum
Bleeding heart	Bicentra spectabilis	Lily	Lillium spp.
Bluestar <sup>1</sup>	Amsonia hubrichtii	Lily, plantain	Hosta fortunei
Blue false indigo	Baptisia australis	Liriope, big blue	Liriope muscari
Butterfly weed	Asclepias tuberosa	Liriope, creeping	Liriope spicata
California poppy	Eschschoilzia California	Liriope, variegated	Liriope muscari
Calla lilly	Zantedeschia aethiopica	Looseestrife, garden	Lysimachia puntata
Canna, common garden	Canna-generalis 'Lucifer'	Montbretia	Crocosmia crocosmilflora
Canadian ginger <sup>1</sup>	Asarum canadese	Moonbeam	Coreopsis verticillata
Carex	Carex spp.	Nightshade	Solanum spp.
Cast iron plant Chincherinchee	Aspidistra elatiro	Orchid, peacock	Acidanthera bicolor
Clover crimson	Orrithogalum thyrsoides Trifolium incarnatum	Oxeye daisy Oxeye, smooth <sup>1</sup>	Chrysanthemum leucanthemum Heliopsis helianthoides
Columbine	Aguilegia 'McKana Giant'	Peony, Chinese	Paeonia lactiflora
Coral bells <sup>1</sup>	Heuchera sanguinea	Phlox, creeping	Phlox subulata
Coreopsis	Coreopsis lanceolata	Purple coneflower	Echinacea purpurea
Crinum lily	Crinum spp.	Purple loosestrife	Lythrum virgatum
Crocus	Crocus spp.	Pussy-toes, small-leaf <sup>1</sup>	A. parvifolia
Daffodil	Narcissus spp.	Pussy-toes, stoloniferous <sup>1</sup>	Antennaria dioica
Daylily	Hemerocallis spp.	Red-hot-poker	Kniphofia uvaria
False dragonhead	Physostegia virginiana	Rock cress	Aubrieta spp.
Fairy duster	Calliandra eriophylla	Rosemary	Rosmarinum officinalis
Fern, asparagus	Asparagus officinalis	Ruscus, Israeli	Ruscu hypophyllum
Fern, Boston	Nephrolepis exaltata	Sage, Russian	Perovskia atriplicifolia
Fern, leatherleaf <sup>2</sup>	Rumohra adiantiformis	Sedge	Carex spp.
Fern, tree	Asparagus virgatus	Shasta daisy	Chrysanthemum x superbum
Flax, blue	Linum perenne	Shrub verbena	L. montevidensis
Foamflower, heartleaf	Tirella cordifolia	Sneezeweed, common Spiderwort <sup>1</sup>	Helenium autumnale Tradexcantia virginiana, T. x andersoniana
Fortnight lily Foxglove, common	Moraea spp.	Sunflower <sup>1</sup>	Helianthus spp.
Freesia	Digitalis purpurea Freesia x hvbrida	Sweet flag	Acorus calamus
Fuschia, Arizona	Zauschneria Californica	Thrift, sea pink <sup>1</sup>	Armeria martima
Gaillardia	Gailardia pulchella	Tickseed	Coreopsis landeolata
Gaura <sup>1</sup>	Gaura lindheimeri	Transvaal daisv1	Cerbera jamesonii
Geum	Geum spp.	Tulip	Tulipa spp.
Gladiolus	Gladiolus spp.	Turtlehead, snakehead	Chelone spp.
Globe amaranth <sup>1</sup>	Gomphrena globosa	Twinspur	Diasciascia barbaerae
Golden rockets1	Ligularia stenocephala	Wonderflower	Ornithogalum thyrsoides
Goldenrod, seaside <sup>1</sup>	S. sempervirens	Vervain <sup>1</sup>	Verbena Canadensis
Goldenrod, showy <sup>1</sup>	S. specia	Yarrow	Achillea millefolium
Goldenrod, wrinkleleaf	Solidago rugosa	Zephyr lily	Zephyrantes spp.
Heather, dwarf	Calluna vulgaris		1

Injury may occur if this product is applied to ferns during periods of growth of new fronds.

BEDDING PLANTS*		BEDDING PLANTS* (continued)	
Common Name	Scientific Name	Common Name	Scientific Name
Ageratum Alyssum Anemone, poppy-flowered Artemesia Balloonflower Begonia Cabbage, ornamental Caladium China aster Crocosmi, Montebretia Dahlia Dianthus Dusty miller Gayfeather Gazania, trailing Gazania, treasure flower Geranium Gloxinia	Ageratum houstonianum Alyssum saxatile Anemone coronaria Artemesia spp. Platycodon grandiflorum Begonia spp. Brassica olerecea Caladium spp. Callistephus chinensis Crocosmia x crocosmilflora Dahlia spp. Dianthus barbatus Senecio cineraria Liatris spp. Cazania rigens Iuecolaena Gazania rigens Geranium spp. Gloxinia simningia	Impatiens Kale, ornamental Marigold, African Moss rose Mum, garden Pansy Periwinkle Periwinkle, rose Petunia Plumosa, cockscomb Portulaca Salvia Snapdragon Statice Sweet William Vinca Zinnia	Impatiens spp. Brassica napus Tagetes erecta Portulaca graandiflora Chrysanthemum spp. Viola tricolor Vinca major Catharanthus roseus Petunia spp. Celosia cristata Portulaca graandiflora Salvia splendens Antirrhinum majus Limonium spp. Dianthus barbatus Vinca major Zinnia app.

\*Water area thoroughly after planting and prior to application of this product. Use sufficient water to pack soil around the roots of the plants.

ORNAMENTAL GRASSES		ORNAME	ORNAMENTAL GRASSES (continued)	
Common name	Scientific name	Common name	Scientific name	
Beach grass Fescue, blue Fescue, sheep Fountain grass Pampas grass	Ammophila breviligulata Festuca ovina Festuca ovina Pennisetum setaceum Cortaderia selloana	Reed canary grass Reed, giant Ribbon grass Tufted hair grass	Phalaris arundinacea Arundo spp. Phalaris arundinacea Deschampsia caespitosa	

This product may be applied to plant species not listed on this label. Determine the suitability for use by treating a small number of ornamental plants at a listed rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious.

The user assumes responsibility for any crop damage or other liability.

Do not use on plants grown for food or feed.

NONBEARING FRUIT AND NUT CROPS AND VINEYARDS This product may be applied to the following nonbearing crops:

Pistachio Apricot Cherry Prune Walnut, English Nectarine Pecan

Apply at rates listed in the Application Rates for Ornamental Uses table. Make application to the ground below the trees or vines. For transplanted plants, be sure the soil or potting mix has settled with no cracks that would allow this product to come in contact with the plant roots. Apply only to newly transplanted and one-year-old grapevines when they are dormant.

Best weed control will be obtained when this product is uniformly applied to soil and media surfaces.

Do not apply if buds have started to swell.

### NONCROPI AND AREAS INCLUDING TREE PLANTATIONS

This product may be applied in and around established ornamentals planted in noncropland areas, such as rights-of-way, highway guardrails, sign posts, delineators, bridge abutments and approaches, petroleum tank farms, storage areas, fence rows, utility substations, pumping installations, paved or gravel surfaces; in and around established tree plantations, including Christmas tree plantations; and for ground maintenance in non-crop areas. This product may also be used for hardwood and conifer regeneration on conservation reserve program land or other similar areas.

Apply at rates listed in the Application Rates for Ornamental Uses table. Make application at planting or to established trees. Root stunting may occur if this product comes in direct contact with the tree roots or is washed into the root zone. When applying at planting, be sure that the slit

Best weed control will be obtained when this product is uniformly applied to soil and media surfaces.

This product may be used as a part of a landscape and grounds maintenance program on areas such as mulch beds, roadsides, parking areas, around statuary and fencelines. It will help provide extended preemergence control of listed weed species.

Apply at rates listed in the Application Rates for Ornamental Uses table. The treated areas should be free of weeds. Prior to application of this product, control existing vegetation by hand weeding, shallow cultivation or the use of an appropriate postemergence herbicide.

This product may cause temporary staining of surfaces such as cement, shoes or clothing. Product should be removed promptly by sweeping. If granules are crushed into surface, rinse with water. Do not allow product to get on metallic surfaces.

### VEGETATION CONTROL

This product may be used for total vegetation control or to provide bare ground. It can be used in sequence with any appropriately labeled herbicide. This product may be used for greater plant selectivity in areas where such action may be desired. Such sites might have roots of landscape vegetation, ornamentals, or desirable trees encroaching into the treated zone.

Rates should be determined from the application rates table.

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

PESTICIDE STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then 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.

### IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of

### WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIÉD WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

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## **Net Weight 40 Lbs. (18.14 kg)**

This product contains 0.0171 lb. of Pendimethalin per lb. of product.



**APT8637.4**