



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 8, 2021

Debbie Ziehr
Compliance Supervisor
The Andersons Inc.
P.O. Box 119
Maumee, OH 43537

Subject: Registration Review Label Mitigation for Pendimethalin
Product Name: THE ANDERSONS PROPENDI DG
EPA Registration Number: 9198-191
Application Date: 6/11/2018
Decision Number: 575434

Dear Ms. Ziehr:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Pendimethalin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact Srijana Shrestha by phone at 703-305-6471, or via email at Shrestha.srijana@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure: Stamped Label

PENDIMETHALIN	Group	K1	HERBICIDE
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The Andersons ProPendi DG

- 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
- Patented Dispersing Granule formula greatly reduces loss due to ball, shoe & mower pickup
- Self incorporates with irrigation or rainfall
- Uniform granules for accurate application
- DGPro® Dispersible Carrier
- Utilizes DGPro® Dispersing Granule, which disperses upon contact with moisture.
- Small particle formulation provides more particles per square inch than a large particle formulation.
- Contains DGPro carrier that “disappears” upon contact with moisture
- Labeled for use on over XXX tolerant ornamentals
- Pendimethalin 1.71%



Dispersing Granule Technology

Net Weight XX lbs. (XX kg)

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

ACTIVE INGREDIENT:

Pendimethalin, N-(1-Ethylpropyl)-3, 4-dimethyl-2, 6 dinitrobenzenamine 1.71%

INERT INGREDIENTS: 98.29%

Total 100.00%

Product of USA

EPA Reg. No. 9198-191

EPA Est. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is first letter used in run code on bag

The Andersons logo is a registered trademarks of The Andersons, Inc.

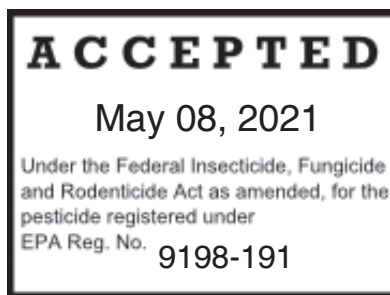
KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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



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-mouth if possible. Call a poison control center or doctor for treatment advice.

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

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, nitrile 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:

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.
- 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 Work Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240)(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

Non-target organism advisory statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

Directions for Use

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.

WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group K1 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group K1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group K1 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g. timing to favor the desirable plants and not the weed), biological (weed-competitive varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
 - (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - (2) a spreading patch of non-controlled plants of a particular weed species;
 - (3) surviving plants mixed with controlled individuals of the same species.if resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or a mechanical method.
Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- Report any incidence of non-performance of this product against a particular weed species to your Andersons retailer, representative or call 1-800-757-8951. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.
- Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your location conditions.

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

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not 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.

USE INFORMATION

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 plants for food or feed.

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 control may be reduced.

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.

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

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

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

TURFGRASS

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

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 <i>Poa annua</i> 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 <i>Poa annua</i>	88 – 117 lbs/acre	Apply in late summer or early fall prior to weed germination.
Turfgrass Species			
Cool Season Grasses			
Bentgrass and established <i>Poa annua</i> (½ inch height or taller.) Not for use on Bentgrass or <i>Poa annua</i> greens and tees	<u>Barnyardgrass</u> <u>Crabgrass</u> <u>Evening primrose</u> <u>Fall panicum</u> <u>Foxtail</u> <u>Hop clover</u> <u>Knotweed</u> <u>Oxalis</u> <u><i>Poa annua</i></u> <u>Prostrate spurge</u> <u>Purslane</u>	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.

Warm Season Grasses			
Bahiagrass Bermudagrass Buffalograss Centipedegrass <i>Paspalum</i> , seashore St. Augustinegrass Tall fescue Zoysiagrass	Barnyardgrass Crabgrass Evening primrose Fall panicum Foxtail Hop clover Knotweed Oxalis <i>Poa annua</i> 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.
	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.

Application Timing and Information

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 application of this product.

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

***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 year 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 mowed at least 4 times and has filled in.

Bermudagrass and ½ 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

<p style="text-align: center;">Spreader Settings These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.</p> <p style="text-align: center;">XX lbs. treats X,XXX sq. ft. at 59 lbs. product/acre - (1.3 lbs./1,000 sq. ft. rate) LOW RATE XX lbs. treats X,XXX sq. ft. at 88 lbs. product/acre - (2.0 lbs./1,000 sq. ft. rate) MEDIUM RATE XX lbs. treats X,XXX sq. ft. at 117 lbs. product/acre - (2.7 lbs./1,000 sq. ft. rate) HIGH RATE XX lbs. treats X,XXX sq. ft. at 175 lbs. product/acre - (4.0 lbs./1,000 sq. ft. rate) HEAVY RATE</p>						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			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
aa	X mph	XX ft/	X	X	X	X
bb	X mph	XX ft	X	X	X	X
cc	X mph	XX ft	X	X	X	X

Note: This list of spreaders and settings will vary dependent on market availability of spreaders. (this note will not appear on final label)

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 application rate.

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 plants and ornamental grasses.

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	lb. 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 Diameter (inches)	117# per acre		234# per acre	
	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
22	3.21	5/6	6.43	1 3/4
23	3.51	1	7.02	1 3/4
24	3.82	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 product in the soil.

Ornamental Bulbs

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

Wildflowers

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.

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	
Common Name	Scientific Name
Alder, European Black	<i>Alnus, glutinosa</i>
Apple	<i>Malus</i> spp.
Arborvitae, American	<i>Thuja occidentalis</i>
Arbutus	<i>Arbutus</i> spp.
Ash, red	<i>Fraxinus pennsylvanica</i>
Ash, white	<i>Fraxinus americana</i>
Aspen, bigtooth	<i>Populus grandidentata</i>
Aspen, quaking	<i>Populus tremuloides</i>
Basswood	<i>Tilla</i> spp.
Birch, European weeping	<i>Betula pendula</i>
Birch, river	<i>Betula nigra</i>
Buckeye, red	<i>Aesculus pavia</i>
Cedar, white	<i>Thuja occidentalis</i>
Chamaecyparis, boulevard	<i>Chamaecyparis pisifera</i>
Cherry, black	<i>Prunus serotina</i>
Cherry, choke	<i>Prunus virginiana</i>
Cherry, Kwanzan	<i>Prunus serrulata</i>
Cherry, Nanking	<i>Prunus tomentosa</i>

TREES (continued)	
Common Name	Scientific Name
Maple, Japanese	<i>Ace palmatum</i>
Maple, Norway	<i>Acer platanoides</i>
Maple, paper-bark	<i>Acer griseum</i>
Maple, red	<i>Acer rubrum</i>
Maple, sugar	<i>Acer saccharum</i>
Nannyberry, rusty	<i>Viburnum rufidulum</i>
Oak, chinquapin	<i>Quercus mehlenbergii</i>
Oak, live	<i>Quercus virginiana</i>
Oak, pin	<i>Quercus palustris</i>
Oak, red	<i>Quercus rubra</i>
Oak, swamp chestnut	<i>Quercus michauxii</i>
Oak, water	<i>Quercus nigra</i>
Oak, white	<i>Quercus alba</i>
Oak, willow	<i>Quercus phellos</i>
Olive	<i>Olea europaea</i>
Palm, date	<i>Phoenix</i> spp.
Palm, fan	<i>Washingtonia</i> spp.
Palm, pindo	<i>Butia</i> spp.

Cottonwood	<i>Populus deltoides</i>
Crabapple	<i>Malus spp.</i>
Crepe myrtle	<i>Lagerstroenia indica</i>
Cryptomeria, Japanese cedar	<i>Cryptomeria japonica</i>
Cypress, bald	<i>Taxodium distichum</i>
Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Dogwood, flowering	<i>Cornus florida</i>
Dogwood, Korean	<i>Cornus kousa</i>
Dogwood, shrub	<i>Cornus spp.</i>
Dogwood, silky	<i>Cornus amomum</i>
Elm	<i>Ulmus japonica</i>
Fir, balsam	<i>Abies balsamae</i>
Fir, Douglas	<i>Pseudotsuga menziesii</i>
Fir, Fraser	<i>Abies fraseri</i>
Fir, white	<i>Abies concolor</i>
Franklinia	<i>Franklinia spp.</i>
Ginkgo	<i>Ginkgo biloba</i>
Gum, black	<i>Nyssa sylvatica</i>
Gum, sour	<i>Nyssa sylvatica</i>
Haw, black	<i>Viburnum prunifolium</i>
Hawthorn	<i>Crataegus spp</i>
Hemlock, Canada	<i>Tsuga canadensis</i>
Hemlock, Eastern	<i>Tsuga canadensis</i>
Holly, American	<i>Llex opaca</i>
Honeylocust	<i>Gleditsia triacanthos</i>
Lilac, common	<i>Syringa vulgaris</i>
Lilac, Japanese tree	<i>Syringa reticulate</i>
Linden	<i>Tilia spp.</i>
Magnolia, saucer	<i>Magnolia soulangiana</i>
Magnolia, Southern	<i>Magnolia graandiflora</i>
Magnolia, star	<i>Magnolia stellata</i>
Maidenhair tree	<i>Ginkgo biloba</i>

Palm, Washington	<i>Washingtonia spp.</i>
Peach	<i>Prunus persica</i>
Pear, Bradford	<i>Pyrus calleryana "Bradford"</i>
Peach	<i>Garya illioensis</i>
Pine, Austrian	<i>Pinus nigra</i>
Pine, Italian stone	<i>Pinus pinea</i>
Pine, loblolly	<i>Pinus taeda</i>
Pine, Monterey	<i>Pinus radiata</i>
Pine, red	<i>Pinus resinosa</i>
Pine, Scotch	<i>Pinus sylvestris</i>
Pine, Virginia	<i>Pinus virginiana</i>
Pine, white	<i>Pinus strobus</i>
Plum, purple leaf	<i>Prunus cerasifera</i>
Poplar, black	<i>Populus nigra</i>
Redcedar, Eastern	<i>Juniperus virginiana</i>
Redcedar, Western	<i>Thuja plicata</i>
Red ironbark	<i>Eucalyptus sideroxyylon "Rosea"</i>
Redwood, dawn	<i>Metasequoia glyptostroboides</i>
Sequoia, giant	<i>Sequoiadendron giganteum</i>
Serviceberry	<i>Amelanchier laevis</i>
Sourwood	<i>Oxydendrum arboreum</i>
Spruce, Colorado Blue	<i>Picea pungens</i>
Spruce, dwarf Alberta	<i>Picea glauca "Albertiana"</i>
Spruce, Norway	<i>Picea abies</i>
Spruce, white	<i>Picea glauca</i>
Sweetgum	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus occidentalis</i>
Trachycarpus	<i>Trachycarpus spp.</i>
Tulip tree	<i>Liriodendron tulipifera</i>
Walnut, black	<i>Juglans nigra</i>
Willow, weeping	<i>Salix babylonica</i>
Yellowwood	<i>Cladrastis lutea</i>

SHRUBS	
Common Name	Scientific Name
Abelia, glossy	<i>Abelia graandiflora</i>
Althaea	<i>Hibiscus syriacus</i>
Aucuba, gold	<i>Aucuba japonica</i>
Azalea	<i>Rhododendron spp.</i>
Bamboo, heavenly	<i>Nandina domestica</i>
Barberry	<i>Berberis gladwynensis</i>
Barberry, Japanese	<i>Berberis thunbergii</i>
Blue indigo bush	<i>Dalea gregii</i>
Bottlebrush, lemon	<i>Callistemon citrinus</i>
Boxwood, common	<i>Buxus sempervirens</i>
Boxwood, Japanese	<i>Buxus microphylla</i>
Brittlebush	<i>Encelia farinosa</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Butterfly bush	<i>Buddleia davidii</i>
Camellia	<i>Camellia japonica</i>
Cape jasmine	<i>Gardenia jasminoides</i>
Cassia, feathery	<i>Cassia artemisioides</i>
Cordyline	<i>Cordyline spp.</i>
Correa	<i>Correa spp.</i>
Cotoneaster	<i>Cotoneaster apiculatus</i>
Cotoneaster, bearberry	<i>Cotoneaster dammeri</i>
Cotoneaster, rock	<i>Cotoneaster horizontalis</i>
Cypress, Italian	<i>Cupressus sempervirens</i>

SHRUBS (continued)	
Common Name	Scientific Name
Laurel, Schipka	<i>Prunus schipkanensis</i>
Laurustinus	<i>Viburnum tinus</i>
Lavender, English	<i>Lavandula angustifolia</i>
Leucothoe	<i>Leucothoe fontanesiana</i>
Leucothoe, coast	<i>Leucothoe axillaris</i>
Lilac, cut-leaf	<i>Syringa laciniata</i>
Lily-of-the-Nile	<i>Agapanthus africanus</i>
Mahonia	<i>Mahonia aquifolium</i>
Mock orange	<i>Pittosporum tobira</i>
Myrtle, compact	<i>Myrtus communis</i>
Myrtle, wax	<i>Myrica cerifera</i>
Nandina	<i>Nandina domestica</i>
Oleander	<i>Nerium oleander</i>
Oregon grape	<i>Mahonia aquifolium</i>
Osmanthus	<i>Osmanthus fragrans</i>
Palm, European fan	<i>Chamaerops humilis</i>
Palm, Mediterranean fan	<i>Chamaerops spp.</i>
Phlox, prickly	<i>Leptodactylon californicum</i>
Photinia, Fraser	<i>Photinia x Fraseri</i>
Pieris, Japanese	<i>Pieris japonica</i>
Pine, mugo	<i>Pinus mugo</i>
Plum, natal	<i>Carissa graandiflora</i>
Privet California	<i>Ligustrum ovalifolium</i>

Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Deutzia, slender	<i>Deutzia gracilis</i>
Dogwood, red twig	<i>Cornus sericea</i>
Elaeagnus	<i>Elaeagnus ebbingei</i>
Escallonia	<i>Escallonia fradesii</i>
Euonymus	<i>Euonymus fortunei</i>
Euonymus, golden	<i>Euonymus japonica</i>
Euonymus, winged	<i>Euonymus alata</i>
Firethorn	<i>Pyracantha coccinea</i>
Forsythia, border	<i>Forsythia intermedia</i>
Fragrant olive	<i>Osmanthus fragrans</i>
Fuschia, California	<i>Zauschneria californica</i>
Gardenia	<i>Gardenia jasminoides</i>
Hawthorne, Indian	<i>Raphiolepis indica</i>
Hibiscus	<i>Hibiscus syriacus</i>
Holly, Chinese	<i>Ilex cornuta</i>
Holly, Foster's	<i>Ilex attenuate</i> 'Fosteri'
Holly, Japanese	<i>Ilex crenata</i>
Holly, Savannah	<i>Ilex attenuate</i>
Holly, yaupon	<i>Ilex vomitoria</i>
Honeysuckle, bush	<i>Diervilla lonicera</i>
Hopbush	<i>Dodonaea viscosa</i>
Hopseed bush	<i>Dodonaea viscosa</i>
Hydrangea	<i>Hydrangea macrophylla</i>
Juniper	<i>Juniperus</i> spp.
Juniper, Chinese	<i>Juniperus chinensis</i> v. <i>pfitzer</i>
Juniper, shore	<i>Juniperus conferta</i>
Juniper, trailing	<i>Juniperus horizontalis</i>
Laurel, cherry	<i>Prunus laurocerasus</i>
Laurel, mountain	<i>Kalmia latifolia</i>
Laurel, Otto Luyken	<i>Prunus laurocerasus</i>

Privet, glossy	<i>Ligustrum lucidum</i>
Privet, variegated	<i>Ligustrum sinensis</i>
Privet, waxleaf	<i>Ligustrum japonicum</i>
Pyracantha	<i>Pyracantha coccinea</i>
Quince, flowering	<i>Chaenomeles japonica</i>
Ranger, Texas	<i>Leucophyllum frutescens</i>
Redroot	<i>Caenothus</i> spp.
Rhododendron	<i>Rhododendron</i> spp.
Robira	<i>Pittosporum tobira</i>
Rose	<i>Rosa</i> spp.
Rose-of-Sharon	<i>Hibiscus syriacus</i>
Spice plant	<i>Illicium parviflorum</i>
Spiraea	<i>Spiraea vanhouttei</i>
Spiraea, Anthony Waterer	<i>Spiraea x bumalda</i>
Spirea, Japanese	<i>Spiraea japonica</i>
Sweet bay	<i>Laurus nobilis</i>
Trumpet bush	<i>Tecoma stans</i>
Verbena, lemon	<i>Aloysia triphylla</i>
Viburnum	<i>Viburnum suspensum</i>
Vitex	<i>Vitex</i> spp.
Wiegela	<i>Weigela florida</i>
Wild lilac	<i>Ceanothus</i> spp.
Wisteria	<i>Wisteria</i> spp.
Xylosma	<i>Xylosma congestum</i>
Yellowbells	<i>Tecoma stans</i>
Yew	<i>Taxus media</i>
Yew, Japanese	<i>Taxus cuspidata</i>
Yew, Southern	<i>Podocarpus macrophyllum</i>
Yucca, Adam's needle	<i>Yucca filamentosa</i>
Yucca, weeping	<i>Yucca pendula</i>

GROUND COVERS	
Common Name	Scientific Name
Ajuga	<i>Ajuga reptans</i>
Baby sun rose	<i>Aptenia cordifolia</i>
Beach strawberry	<i>Fragaria chiloensis</i>
Capeweed	<i>Arctotheca calendula</i>
Cinquefoil, spring	<i>Potentilla verna</i>
Coyotebrush, dwarf	<i>Baccharis pitularis</i>
Daisy, trailing African	<i>Osteospermum fruticosum</i>
Dymondia	<i>Dymondia margaretae</i>
Gazania	<i>Gazania splendens</i>
Iceplant, large leaf	<i>Carpobrotus edulis</i>
Ivy, English	<i>Hedera helix</i>
Ivy, geranium	<i>Pelargonium peltatum</i>
Jasmine, Asiatic	<i>Trachelospermum asiaticum</i>
Jasmine, primrose	<i>Jasminum mesnyi</i>
Jessamine, Carolina	<i>Gelesmium sempervirens</i>
Mansanita, bearberry	<i>Arctostaphylos uva-ursi</i>
Miscanthus	<i>Miscanthus</i> spp.
Mondgrass	<i>Ophiopogon japonica</i>
Morningglory	<i>Convolvulus</i> spp.
Myoporum	<i>Myoporum parvifolium</i>
Pachysandra	<i>Pachysandra terminalis</i>
Potentilla	<i>Potentilla fruitcosa</i>
Red apple	<i>Aptenia cordifolia</i>
Rosemary	<i>Rosemarinus officinalis</i>
Rose-of-Sharon	<i>Hibiscus syriacus</i> L.

PERENNIALS (continued)	
Common Name	Scientific Name
California poppy	<i>Eschscholzia California</i>
Calla lilly	<i>Zantedeschia aethiopica</i>
Canna, common garden	<i>Canna-generalis</i> 'Lucifer'
Canadian ginger ¹	<i>Asarum canadese</i>
Carex	<i>Carex</i> spp.
Cast iron plant	<i>Aspidistra elatiro</i>
Chincherinchee	<i>Orrithogalum thyrsoides</i>
Clover crimson	<i>Trifolium incarnatum</i>
Columbine	<i>Aquilegia</i> 'McKana Giant'
Coral bells ¹	<i>Heuchera sanguinea</i>
Coreopsis	<i>Coreopsis lanceolata</i>
Crinum lily	<i>Crinum</i> spp.
Crocus	<i>Crocus</i> spp.
Daffodil	<i>Narcissus</i> spp.
Daylily	<i>Hemerocallis</i> spp.
False dragonhead	<i>Physostegia virginiana</i>
Fairy duster	<i>Calliandra eriophylla</i>
Fern, asparagus	<i>Asparagus officinalis</i>
Fern, Boston	<i>Nephrolepis exaltata</i>
Fern, leatherleaf ²	<i>Rumohra adiantiformis</i>
Fern, tree	<i>Asparagus virgatus</i>
Flax, blue	<i>Linum perenne</i>
Foamflower, heartleaf	<i>Tarella cordifolia</i>
Fortnight lily	<i>Moraea</i> spp.
Foxglove, common	<i>Digitalis purpurea</i>
Freesia	<i>Freesia x hybrida</i>

St. Johnswort, creeping	<i>Hypericum calycinum</i>
Sand strawberry	<i>Fragaria chiloensis</i>
Sedum	<i>Sedum spurium</i>
Stonecrop	<i>Sedum spurium</i>
Verbena, Peruvian	<i>Verbena peruviana</i>
Vervain	<i>Verbena peruviana</i>
Vetch, crown	<i>Vicia sativa</i>
Vinca	<i>Vinca minor</i>
Wintercreeper	<i>Euonymus fortunei</i>

PERENNIALS	
Common Name	Scientific Name
Acacia	<i>Acacia redolens</i>
Alumroot ¹	<i>Heuchera sanguinea</i>
Asparagus	<i>Asparagus spp.</i>
Aster, New York	<i>Aster novi-belgii</i>
Aster, Stokes	<i>Stokesia laevis</i>
Astilbe (False spirea)	<i>Astilbe spp.</i>
Baby's breath	<i>Gypsophila Elegans</i>
Beard's tongue	<i>Penstemon digitalis, P. x mexicali</i>
Bee balm ¹	<i>Monarda didyma</i>
Bellflower	<i>Campanula spp.</i>
Bergenia, heart-leaved ¹	<i>Bergenia cordifolia</i>
Bird of paradise	<i>Caesalpinia pulcherrima</i>
Black-eyed Susan	<i>Rudbeckia hirta</i>
Blanket flower	<i>Gaillardia x grandiflora</i>
Bleeding heart	<i>Bicentra spectabilis</i>
Bluestar ¹	<i>Amsonia hubrichtii</i>
Blue false indigo	<i>Baptisia australis</i>
Butterfly weed	<i>Asclepias tuberosa</i>

PERENNIALS (continued)	
Common Name	Scientific Name
Liriope, variegated	<i>Liriope muscari</i>
Loosestrife, garden	<i>Lysimachia punctata</i>
Montbretia	<i>Crocsmia crocosmiiflora</i>
Moonbeam	<i>Coreopsis verticillata</i>
Nightshade	<i>Solanum spp.</i>
Orchid, peacock	<i>Acidanthera bicolor</i>
Oxeye daisy	<i>Chrysanthemum leucanthemum</i>
Oxeye, smoth ¹	<i>Heliopsis helianthoides</i>
Peony, Chinese	<i>Paeonia lactiflora</i>
Phlox, creeping	<i>Phlox subulata</i>
Purple coneflower	<i>Echinacea purpurea</i>
Purple loosestrife	<i>Lythrum virgatum</i>
Pussy-toes, small-leaf ¹	<i>A. parvifolia</i>
Pussy-toes, stoloniferous ¹	<i>Antennaria dioica</i>
Red-hot-poker	<i>Kniphofia uvaria</i>
Rock cress	<i>Aubrieta spp.</i>
Rosemary	<i>Rosmarinum officinalis</i>
Ruscus, Israeli	<i>Ruscu hypophyllum</i>
Sage, Russian	<i>Perovskia atriplicifolia</i>
Sedge	<i>Carex spp.</i>
Shasta daisy	<i>Chrysanthemum x superbum</i>
Shrub verbena	<i>L. montevidensis</i>
Sneezeweed, common	<i>Helenium autumnale</i>
Spiderwort ¹	<i>Tradexcantia virginiana, T. x andersoniana</i>

Fuschia, Arizona	<i>Zauschneria Californica</i>
Gaillardia	<i>Gaillardia pulchella</i>
Gaura ¹	<i>Gaura lindheimeri</i>
Geum	<i>Geum spp.</i>
Gladiolus	<i>Gladiolus spp.</i>
Globe amaranth ¹	<i>Gomphrena globosa</i>
Golden rockets ¹	<i>Ligularia stenocephala</i>
Goldenrod, seaside ¹	<i>S. sempervirens</i>
Goldenrod, showy ¹	<i>S. specia</i>
Goldenrod, wrinkleleaf	<i>Solidago rugosa</i>
Heather, dwarf	<i>Calluna vulgaris</i>
Hens and chicks	<i>Sempervivum arachnoideum, S. tectorum</i>
Hopflower oregano	<i>Origanum libanoticum</i>
Hosta	<i>Hosta spp.</i>
Hyssop, Coronado ¹	<i>Agastache aurantiaca</i>
Hyssop, sunset	<i>Agastache rupestris</i>
Ice plant, hardy or yellow	<i>Deloperma nugigenum</i>
Indian blanket	<i>Gaillardia pulchella</i>
Ironweed, New York ¹	<i>Vernonia noveboracensis</i>
Jacob's ladder	<i>Polemonium boreale</i>
Joepye weed, sweetscented ¹	<i>E. purpureum</i>
Lady's-mantle	<i>Alchemilla mollis</i>
Lantana, weeping	<i>Lantana montevidensis</i>
Lavender, English	<i>Lavandula angustifolia</i>
Leopard's bane	<i>Doronicum cordatum</i>
Lily	<i>Lillium spp.</i>
Lily, plantain	<i>Hosta fortunei</i>
Liriope, big blue	<i>Liriope muscari</i>
Liriope, creeping	<i>Liriope spicata</i>

BEDDING PLANTS*	
Common Name	Scientific Name
Ageratum	<i>Ageratum houstonianum</i>
Alyssum	<i>Alyssum saxatile</i>
Anemone, poppy-flowered	<i>Anemone coronaria</i>
Artemesia	<i>Artemesia spp.</i>
Balloonflower	<i>Platycodon grandiflorum</i>
Begonia	<i>Begonia spp.</i>
Cabbage, ornamental	<i>Brassica oleracea</i>
Caladium	<i>Caladium spp.</i>
China aster	<i>Callistephus chinensis</i>
Crocsmi, Montebretia	<i>Crocsmia x crocosmiiflora</i>
Dahlia	<i>Dahlia spp.</i>
Dianthus	<i>Dianthus barbatus</i>
Dusty miller	<i>Senecio cineraria</i>
Gayfeather	<i>Liatris spp.</i>
Gazania, trailing	<i>Cazania rigens luecolaena</i>
Gazania, treasure flower	<i>Gazania rigens</i>
Geranium	<i>Geranium spp.</i>
Gloxinia	<i>Gloxinia simningia</i>
Impatiens	<i>Impatiens spp.</i>
Kale, ornamental	<i>Brassica napus</i>
Marigold, African	<i>Tagetes erecta</i>
Moss rose	<i>Portulaca graandiflora</i>
Mum, garden	<i>Chrysanthemum spp.</i>
Pansy	<i>Viola tricolor</i>
Periwinkle	<i>Vinca major</i>
Periwinkle, rose	<i>Catharanthus roseus</i>
Petunia	<i>Petunia spp.</i>

Sunflower ¹	<i>Helianthus spp.</i>
Sweet flag	<i>Acorus calamus</i>
Thrift, sea pink ¹	<i>Armeria maritima</i>
Tickseed	<i>Coreopsis lancheolata</i>
Transvaal daisy ¹	<i>Cerbera jamesonii</i>
Tulip	<i>Tulipa spp.</i>
Turtlehead, snakehead	<i>Chelone spp.</i>
Twinspur	<i>Diascascia barbaerae</i>
Wonderflower	<i>Ornithogalum thyrsoides</i>
Vervain ¹	<i>Verbena Canadensis</i>
Yarrow	<i>Achillea millefolium</i>
Zephyr lily	<i>Zephyranthes spp.</i>

¹Not for use in California

²Injury may occur if this product is applied to ferns during periods of growth of new fronds.

Plumosa, cockscomb	<i>Celosia cristata</i>
Portulaca	<i>Portulaca graandiflora</i>
Salvia	<i>Salvia splendens</i>
Snapdragon	<i>Antirrhinum majus</i>
Statice	<i>Limonium spp.</i>
Sweet William	<i>Dianthus barbatus</i>
Vinca	<i>Vinca major</i>
Zinnia	<i>Zinnia spp.</i>

*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	
Beach grass	<i>Ammophila breviligulata</i>
Fescue, blue	<i>Festuca ovina</i>
Fescue, sheep	<i>Festuca ovina</i>
Fountain grass	<i>Pennisetum setaceum</i>
Pampas grass	<i>Cortaderia selloana</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Reed, giant	<i>Arundo spp.</i>
Ribbon grass	<i>Phalaris arundinacea</i>
Tufted hair grass	<i>Deschampsia caespitosa</i>

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.
Do not use treated plants for food or feed.

NONBEARING FRUIT AND NUT CROPS AND VINEYARDS

This product may be applied to the following nonbearing crops:

Almond	Citrus	Olive	Pistachio
Apple	Fig	Peach	Plum
Apricot	Grape	Pear	Prune
Cherry	Nectarine	Pecan	Walnut, English

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.

NONCROPLAND 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 closure be achieved.

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

LANDSCAPE AND GROUNDS MAINTENANCE

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 Liability:

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 IMPLIED 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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