

PENDIMETHALIN GROUP 3 HERBICIDE

SPECIMEN LABEL

PENDI MICROCAP™

For use as a preemergence weed control herbicide in turfgrass, landscape or grounds maintenance, noncropland areas, and ornamental production.

Manufactured by:
Prime Source, a division of Albaugh, LLC
1525 NE 36th Street, Ankeny, IA 50021

ACTIVE INGREDIENT:	% by wt
Pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	38.7%
Other Ingredients:	61.3%
TOTAL:	100.00%

Contains 3.8 pounds of pendimethalin per gallon formulated as an aqueous capsule suspension.

KEEP OUT OF REACH OF CHILDREN MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS

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.)

See booklet for complete Precautionary Statements, Directions For Use, Storage and Disposal and Conditions of Sale and Warranty.

For 24-hour chemical spill, leak, fire, or accident response information, call CHEMTREC toll free at 1-800-424-9300.

Para obtener información sobre derrames, fugas, incendios, exposiciones o accidentes químicos las 24 horas, llame a CHEMTREC sin cargo al 1-800-424-9300.

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE, CALL CHEMTREC (800) 424-9300



EPA Reg. No. 89442-73

AD121224S

HOTLINE NUMBER:

For non-emergency questions regarding exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr/day).

For medical emergencies, call the poison control center at 1-800-222-1222.

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

NÚMERO DE LÍNEA DIRECTA:

Para información sobre la exposición a este producto que nos sea emergencia, llame al 1-888-347-6732 (7 días/semana, 24-hr). Para emergencias médicas, llame al centro de control de intoxicaciones al 1-800-222-1222.

Cuando llame a un centro de control de envenenamiento, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs that meet the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.607(d-e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

DECLARACIONES PREVENTIVAS

RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS

Equipo de Protección Personal:

Los aplicadores y otros manipuladores de pesticidas (plaguicidas) deben usar:

- Camisa de manga larga, pantalones largos
- Calcetines y zapatos

CONTROLES DE INGENIERÍA

Cuando los manipuladores utilizan sistemas cerrados o cabinas cerradas que cumplen con los requisitos enumerados en la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés) para pesticidas agrícolas [40 CFR 170.607(d-e)], los requisitos de PPE del manipulador pueden reducirse o modificarse según lo especificado en el WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. 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.

RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO

Los usuarios deben usar:

- Lávese bien las manos con agua y jabón después de manipularlo y antes de comer, beber, mascar chicle, fumar o ir al baño.
- Quítese la ropa/EPP inmediatamente si el pesticida entra. Luego lávese bien y póngase ropa limpia.
- Quítese el EPP inmediatamente después de manipular este producto. Lave el exterior de los guantes antes de quitárselos. Tan pronto como sea posible, lávese bien y cámbiese a ropa limpia.

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.

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 spray drift.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix or allow contact with an oxidizing agent, as a hazardous chemical reaction may occur.

RIESGOS AMBIENTALES

Este producto es tóxico hacia peces. **NO** aplique directamente a cuerpos de agua, en áreas donde haya aguas superficiales, o en áreas intermareales que se encuentren bajo el nivel de altura máxima promedio del agua. La deriva o el rociado y las escorrentías pueden ser peligrosas para los organismos acuáticos en aguas adyacentes a las áreas tratadas. **NO** contamine cuerpos de agua cuando disponga de las aguas de lavado de equipo o aguas de enjuague.

Declaración de Asesoramiento Sobre Organismos no Objetivo: Este producto es tóxico para las plantas y puede afectar negativamente el forraje y el hábitat de organismos no objetivo, incluidos los polinizadores, en áreas adyacentes al sitio tratado. Proteja el forraje y el hábitat de organismos no objetivo siguiendo las instrucciones de la etiqueta destinadas a minimizar la deriva de la pulverización.

PELIGROS FÍSICOS O QUÍMICOS

NO mezcle ni permita el contacto con un agente oxidante, ya que puede ocurrir una reacción química peligrosa.

ENDANGERED SPECIES PROTECTION

This product may have effects on federally listed threatened or endangered plant species or their critical habitat. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult <http://www.epa.gov/espp/>, or call 1-844-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will be available from the above sources 6 months before their effective dates.

If endangered plant species occur in proximity to the application site, the following mitigation measures are required:

- If applied by ground, leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASABE fine to medium/coarse nozzles.
- If applied by air, leave an untreated buffer zone of 170 feet. Must use straight-stream nozzles (D-6 or larger); wind can be no more than 8 mph, and release height must be 15 feet or less.

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 the time of pesticide application.

DO NOT apply this product through any type of irrigation system.

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.

This product may not be used for manufacturing products for application to turf and ornamentals.

For requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

DO NOT apply this product in greenhouses, shadehouses, or other enclosed structures.

Not for use for commercial seed production.

INSTRUCCIONES DE USO

El uso de este producto de forma contraria a lo indicado en su etiqueta constituye una infracción de la ley federal. Este etiquetado debe estar en posesión del usuario en el momento de su uso.

AGRICULTURAL USE REQUIREMENTS	REQUISITOS DE USO AGRICOLA
<p>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, 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.</p> <p>DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.</p> <p>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, including plants, soil or water, is:</p> <ul style="list-style-type: none">• Coveralls• Chemical-resistant gloves• Shoes plus socks	<p>Utilice este producto solo de acuerdo con su etiqueta y el Estándar para la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés), 40 CFR Parte 170. Esta ley contiene los requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, y para las personas que manipulan pesticidas agrícolas. Contiene requisitos para la capacitación, descontaminación, notificación y asistencia de emergencia. También contiene instrucciones específicas y excepciones relacionadas con las indicaciones en esta etiqueta acerca del equipo de protección personal (PPE, por sus siglas en inglés), y el intervalo de ingreso restringido. Los requisitos en esta sección de la etiqueta (requisitos para uso agrícola) aplican únicamente a los usos de este producto que están cubiertos por el Estándar para la Protección del Trabajador Agrícola.</p> <p>NO ingrese o permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de acceso restringido (REI, por sus siglas en inglés) de 24 horas.</p> <p>El equipo de protección personal requerido para el acceso anticipado a áreas tratadas de acuerdo con el Estándar para la Protección del Trabajador Agrícola, y que involucra el contacto con material tratado, como plantas, tierra o agua, es:</p> <ul style="list-style-type: none">• Overol (mameluco)• Guantes resistentes a productos químicos• Calcetines y zapatos

NON-AGRICULTURAL USE REQUIREMENTS	REQUISITOS DE USO NO AGRICOLA
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.	Los requisitos en este recuadro se aplican a los usos de este producto que NO están dentro del alcance de la Norma de protección del trabajador, 40 CFR parte 170. La WPS se aplica cuando este producto se usa para producir plantas agrícolas en granjas, bosques, viveros e invernaderos.
DO NOT enter treated areas without protective clothing until sprays have dried.	NO ingrese a las áreas tratadas sin ropa protectora hasta que los aerosoles se hayan secado.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL OR CROP INJURY.

PRODUCT INFORMATION

This product controls most annual grasses and certain broadleaf weeds as they germinate. When susceptible weeds germinate in the treated area, they contact the herbicide and both shoot and root growth stops. Translocation of the herbicide within the plant is limited. Affected weeds die shortly after growth is stopped, usually before emergence from the soil.

MODE OF ACTION

Pendimethalin, the active ingredient in this product, is a Group 3 (WSSA)/Group K1 (HRAC) herbicide belonging to the dinitroaniline chemistry class. This product is a meristematic inhibitor that interferes with meristematic plant cell division or mitosis inhibiting germinating seedling growth.

HERBICIDE RESISTANCE MANAGEMENT

While weed resistance to Group 3 herbicides is infrequent, populations of resistant biotypes are known to exist. Weeds resistant to Group 3 herbicides should be managed using herbicide(s) from a different group (mode or site of action) that are effective against the target weeds. Resistance management should be part of a diversified weed control strategy that integrates chemical, cultural, and mechanical (tillage) control tactics. Consult your local Prime Source, a division of Albaugh, LLC representative, state cooperative extension service, professional consultants, or other qualified authority to determine appropriate actions if you suspect resistant weeds.

CHEMICAL CONTROL

- Start clean with mechanical control measure or an effective burndown herbicide program.
- **DO NOT** rely on a single herbicide site of action for weed control.
- Follow labeled application rate and weed growth stage specifications.
- Avoid application of herbicides with the same site of action more than twice a season.
- Use tank mixes and sequential applications with other herbicides possessing different sites of action that are also effective on the target weeds.

SCOUTING AND CONTAINMENT

- Scout treated areas after herbicide application to identify areas where weed control was ineffective.
- Control weed escapes with herbicides possessing a different site of action or use a mechanical control measure. Weed escapes should not be allowed to reproduce by seed or to proliferate vegetatively.
- Contact your supplier and/or your local Prime Source, a division of Albaugh, LLC representative to report weed escapes.
- Clean equipment before moving to a different treatment area to avoid spread of resistant weeds.

WEEDS CONTROLLED

This product will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow. Use this product with herbicides registered for postemergence application for the control of established weeds. A treatment with this product may be followed by any registered herbicide to control weeds not listed on this label.

The efficacy of this product will be improved if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if this product is not activated by rainfall or irrigation within 30 days.

The following grass and broadleaf weeds are controlled by preemergence treatments at the specified rates:

Table 1. Weeds Controlled

Grasses			
Barnyardgrass Bluegrass, annual Crabgrass Crowfootgrass Foxtail, giant Foxtail, green	Foxtail, yellow Goosegrass Itchgrass Johnsongrass (from seed) Junglerice	Lovegrass (from seed) Panicum, browntop Panicum, fall Panicum, Texas Sandbur, field	Signalgrass Sprangletop, Mexican Sprangletop, red Witchgrass Woolly cupgrass
Broadleaf Weeds			
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)

APPLICATION USE SITES

Use this product for preemergence control of grass and certain broadleaf weed species as they germinate in any turfgrass site (golf courses, lawns, sod farms and other turf areas) and landscape ornamental maintenance areas. Sites include: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries, golf courses, prairie grass areas, and sod farms.

This product can be applied for general grounds maintenance in parking lots, driveways and roadsides, alleyways, bike and jogging paths, vacant lots, buildings, stone gardens and gravel yards, markers and fence lines, and mulch beds. It may be used under asphalt or concrete treatments as part of a site preparation program.

Use for preemergence control of most annual grasses and certain broadleaf weeds as they germinate in noncropland areas including railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; bridge abutments and approaches; utility substations; petroleum tank farms; pumping installations; storage areas; fence rows; windbreaks and shelterbelts; paved or gravel surfaces; and established wildflower plantings where weed control is desired.

This product can also be used in bulb plantings, nonbearing fruit and nut tree nurseries, conifer and hardwood seedling nurseries, and tree plantations for site preparation and maintenance.

Applications can be made to plant species listed on this label including trees, shrubs, groundcovers, perennials, bulbs, ornamental grasses, and bedding plants.

This product can be used in and around field, liner, and container ornamental production.

APPLICATION INSTRUCTIONS

This product will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or it may be used with herbicides registered for postemergence use in managed turf sites, landscape ornamentals, and in other noncropland areas. Consult the labels of those herbicides for suggested treatments, rates, and precautions or restrictions for use in these areas. The efficacy of this product will improve if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. If the product is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Applied according to label directions and under normal growing conditions, this product alone or in tank mix combinations will not cause crop injury. Overapplication can result in crop stand loss, crop injury, or soil residues. Uneven application can decrease weed control or cause crop 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 this product.

MIXING INSTRUCTIONS

This product may be applied in a tank mix or a sequential application with other herbicides registered for use in a given crop. Refer to the companion label for weeds controlled in addition to this product alone.

When using tank mixtures or sequential applications with this product, always read the companion product label(s) to determine the specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow all precautions and restrictions including state and local use restrictions that may apply to specific products. Always follow the most restrictive label.

Fill tank $\frac{1}{2}$ to $\frac{3}{4}$ full with clean water or liquid fertilizer and agitate. Before mixing this product or this product in tank mixtures in liquid fertilizer, refer to appropriate label sections for recommended uses in liquid fertilizer, application instructions, and compatibility determinations.

This Product Alone

When using this product alone, add to the partially filled tank while agitating; then fill the remainder of the tank with water or liquid fertilizer.

This Product in Tank Mixes

Add the tank mixture ingredients in the following order:

1. **Wettable Powder (WP) formulations** - Make a slurry of the WP in water (1:2 ratio). Add the slurry slowly into the partially filled tank while agitating.
2. **Dry Flowable/Water Dispersible Granule (DF/WDG) formulations** - Add the granules to the partially filled tank while agitating. Make a slurry of the granules in water before adding to liquid fertilizer.
3. **Flowable (F) formulations** - Add the F formulation to the partially filled tank while agitating.
4. Add **this product** to the partially filled tank while agitating.
5. **Water-soluble Concentrate (WSC) formulations** - Add the WSC formulation to the partially filled tank while agitating.
6. **Emulsifiable Concentrate (EC) formulations** - Add the EC formulation to the partially filled tank while agitating.

Fill the remainder of the tank with water or liquid fertilizer while agitating.

Maintain continuous agitation while adding herbicides and until spraying is completed. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed.

Backpack Sprayer

Begin with a clean spray tank. Fill the spray tank $\frac{1}{2}$ full with clean water and add the required amount of this product to the sprayer. Cap sprayer and agitate to ensure mixing. Uncap sprayer and finish filling tank to desired level. Cap sprayer and agitate once again. During application it is desirable to agitate the mixture on occasion to ensure mixing. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential before spraying is resumed.

Liquid Fertilizers

Before mixing, always test small quantities with a simple jar test. Add the required amount of this product to a half-filled spray tank while agitating; then add the fertilizer product. Complete filling spray tank to desired level.

SPRAYING INSTRUCTIONS

Avoid unintentional contact of spray solution with driveways, stone, wood, or other porous surfaces. Rinse immediately with water to avoid staining. Avoid mechanically scrubbing until surface area is thoroughly rinsed. Treated turfgrass should be dry before entering to avoid staining onto nontreated surfaces.

Ground Application (spray boom)

Uniformly apply with properly calibrated ground equipment in sufficient water per acre to uniformly treat the area with a spray pressure of 25 to 50 psi. Suggested spray volumes are 20 to 200 gpa for professional turfgrass, landscape and ornamental applications, and 10 to 200 gpa for all other noncrop applications including roadsides, utility rights-of-way, or soft-residual bareground applications. Maintain continuous agitation during spraying with good mechanical or bypass agitation. Avoid overlaps that will increase rates above those specified.

Spray Drift Management for Ground Applications (spray boom):

- Applicators must only apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or plant canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site.
- **DO NOT** apply during temperature inversions.

Ground Application (hand-held equipment)

Use Table 2 or Table 3 to determine the amount of product to apply per 1000 square feet of treated area. The amount of water used for the application is not critical but should be sufficient for thorough coverage without runoff. Calibration of backpack or other hand-held equipment will vary with each operator. Determine the amount of water needed to treat 1000 square feet before mixing the spray solution. Follow information in Mixing Instructions section of this label.

Spray Drift Management for Ground Applications (hand-held):

- Take precautions to minimize spray drift.

Aerial Application

Uniformly apply in 5 or more gallons of water per acre.

Spray Drift Management for Aerial Applications

- **DO NOT** release spray at a height greater than 10 feet above the ground or plant canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must not exceed 65% of the wingspan for fixed wing aircraft or 75% of the rotor diameter for helicopters. Otherwise, the boom length must not exceed 75% of the wingspan for fixed wing aircraft or 90% of the rotor diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions.

Importance of Droplet Size

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- **Adjust Nozzles** - Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Boom Height - Ground Boom

For ground equipment, the boom should remain level with the plants and have minimal bounce.

Release Height - Aircraft

Higher release heights increase the potential for spray drift.

Shielded Sprayers

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversion

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

TURFGRASS

Use this product for preemergence control of grasses and certain broadleaf weed species as they germinate in any turfgrass site (golf courses, lawns, sod farms and other turf areas) and landscape ornamental maintenance areas. Sites include: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries, golf courses, prairie grass areas, and sod farms.

The efficacy of this product will be improved if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. If this product is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

To prevent establishment of weeds along the edges of treated area, it may be necessary to overlap the spray 3 to 6 inches onto sidewalks or driveways, etc., to ensure effective application rates in these especially vulnerable sites.

Where temporary discoloration of pavement is to be avoided, **DO NOT** rub or scrub surface. Rinse area immediately using a heavy spray of water to avoid staining. Treated turfgrass should be dry before entering to avoid staining onto nontreated surfaces.

Turfgrass Tank Mixes

This product can be mixed with postemergence herbicides to control emerged weeds in nonresidential turfgrass. For annual grass control, applications can be made with quinclorac or MSMA to control emerged weeds.

Broadleaf weeds can be controlled using tank mixes of 2-4,D, dicamba, and MCPA or other products containing those active ingredients in combination.

Before tank mixing, use a simple jar test to ensure compatibility of herbicides.

Refer to manufacturer's labels for specific use directions, precautions, and limitations before tank mixing with this product. Follow those that are most restrictive.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Turfgrass Restrictions

- Use on well-established turfgrass with a dense and uniform stand. On turf that has been thinned or damaged due to winter injury, excessive moisture, etc., allow for turf recovery before application.
- On newly planted areas, application should not be made until the turfgrass has filled in and has been mowed at least four times. 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 treated turfgrass for at least three (3) months following the last application.
- Delay sprigging turfgrass for five (5) months after application.
- **For residential and sod farm turfgrass: DO NOT** exceed a maximum of 4.2 pints (2.1 quarts) product/A (2 lb ai/A) or 1.6 fl ozs/1000 sq ft product (0.05lb ai/1000 sq ft) per single application.
- **For golf course turfgrass, commercial and other non-residential turfgrass: DO NOT** exceed a maximum rate of 6.3 pints (3.1 quarts)/A or 2.3 fl ozs/1000 sq ft product per single application.

Table 2. Residential, Golf Course, Commercial and Other Nonresidential Turfgrass Uses for Preemergence Weed Control

COOL SEASON TURFGRASS			
Grass	Weed	Rate per 1000ft ² (fl oz)	Rate per Acre (pt)
Bluegrass, Kentucky Fescue, fine Fescue, tall Ryegrass, perennial	Barnyardgrass, Crabgrass, Evening primrose, Fall panicum, Foxtail, Hop clover, Knotweed, Oxalis, <i>Poa annua</i> , Prostrate spurge, Purslane	All Turf Uses:	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Initial application before weed germination in spring. Make a repeat application of 2.2 - 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to 8 weeks for extended control or where heavy weed infestations are expected.	
	Goosegrass	Residential and Sod Farm Turf Uses²:	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Golf Course, Commercial and Other Non-Residential Turf Uses:	
		1.1 – 2.3 (0.03 – 0.068 lb ai)	3.1 – 6.3 (0.09 – 0.187 lb ai)
		Initial application before weed germination in spring. Make a repeat application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) if the lower rate was used initially or for extended goosegrass control after 5 to 8 weeks.	
	Chickweed, Corn speedwell, Cudweed, Henbit, Lawn burweed, <i>Poa annua</i>	All Turf Uses:	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Apply in late summer or early fall before weed germination. Apply a repeat application of 3.1 to 4.2 pts/A (1.1 to 1.6 fl ozs/1000 sq ft) after 5 to 8 weeks for extended <i>Poa annua</i> control.	

(continued)

Table 2. Residential, Golf Course, Commercial and Other Nonresidential Turfgrass Uses for Preemergence Weed Control (cont.)

Grass	Weed	Rate per 1000ft ² (fl oz)	Rate per Acre (pt)
Bentgrass or established <i>Poa annua</i> ² (½ inch high or taller)	Barnyardgrass, Crabgrass, Evening primrose, Fall panicum, Foxtail, Hop clover, Knotweed, Oxalis, <i>Poa annua</i> , Prostrate spurge, Purslane	All Turf Uses (Non-greens and Tees):	
		1.1 (0.03 lb ai)	3.1 (0.09 lb ai)
		Initial application before weed germination in spring. Make a repeat application of 2.2 to 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to 8 weeks for extended control or where heavy weed infestations are expected.	
	Goosegrass	All Turf Uses (Non-greens and Tees):	
		1.1 (0.03 lb ai)	3.1 (0.09 lb ai)
		Initial application before weed germination in spring. Make a repeat application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) for extended goosegrass control after 5 to 8 weeks.	
	Chickweed, Corn speedwell, Cudweed, Henbit, Lawn burweed, <i>Poa annua</i>	All Turf Uses (Non-greens and Tees):	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Apply in late summer or early fall before weed germination.	

(continued)

Table 2. Residential, Golf Course, Commercial and Other Nonresidential Turfgrass Uses for Preemergence Weed Control (cont.)

WARM SEASON TURFGRASS			
Grass	Weed	Rate per 1000ft ² (fl oz)	Rate per Acre (pt)
Bahiagrass Bermudagrass Buffalograss Centipedegrass Fescue, tall <i>Paspalum</i> , seashore St. Augustinegrass Zoysiagrass	Barnyardgrass, Crabgrass, Evening primrose, Fall panicum, Foxtail, Hop clover, Knotweed, Oxalis, <i>Poa annua</i> , Prostrate spurge, Purslane	Residential and Sod Farm Turf Uses¹:	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Golf Course, Commercial and Other Non-Residential Turf Uses:	
		1.1 – 2.3 (0.03 – 0.068 lb ai)	3.1 – 6.3 (0.09 – 0.187 lb ai)
		Initial application before weed germination in spring. Make a repeat application of 2.2 to 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to 8 weeks if necessary.	
	Goosegrass	All Turf Uses (Non-greens and Tees):	
		1.1 (0.03 lb ai)	3.1 (0.09 lb ai)
		Apply before weed germination in spring. Make a second application at 3.1 pts/A (1.1 fl ozs/1000 sq ft) 5 to 8 weeks later. An additional application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) may be made for extended goosegrass control 8 weeks after the second application.	
	Chickweed, Corn speedwell, Cudweed, Henbit, Lawn burweed, <i>Poa annua</i>	All Turf Uses:	
		1.1 – 1.6 (0.03 – 0.048 lb ai)	3.1 – 4.2 (0.09 – 0.12 lb ai)
		Apply in late summer or early fall before weed germination. Make a repeat application of 3.1 to 4.2 pts/A (1.1 to 1.6 fl ozs/1000 sq ft) after 5 to 8 weeks for extended <i>Poa annua</i> control.	

¹ Residential is defined as turf in any residential situation as well as home lawns, schools, parks, and playgrounds.

² **DO NOT** use on bentgrass or *Poa annua* greens or tees.

Weeds Controlled

This product will not control established weeds. If weeds should germinate before activation of herbicide, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow. This product may be used with herbicides registered for postemergence application for control of established weeds. A treatment using this product may be followed by any registered herbicide to control weeds not listed on this label.

LANDSCAPE AND GROUNDS MAINTENANCE

This product 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, including mulch beds, parking areas and roadsides, fencelines and borders, and around statuary or monuments, should be free of emerged weeds before application. To remove emerged weeds, either cultivate or tank mix this product with a postemergence product labeled for such use.

Not all ornamental species or cultivars of species can be tested for plant safety. Refer to the list of ornamental plant species found in this label (Table 4. Tolerant Ornamental Species). This product may be used on plant species not listed on this label; however, testing a small number plants at the specified rate and evaluating for suitability before a broad-use application is advised. Refer to Table 3. Weed Control in All Nonturfgrass Sites for application rates. Avoid unintentional contact of spray solution with stone, wood, or other porous surfaces because staining may occur. Rinse surfaces immediately using a heavy spray of water to avoid staining.

Table 3. Weed Control in All Nonturfgrass Sites*

For preemergence control of the weed species listed, apply at the specified rates:

Length of Control (months)	Amount Product (qts/A)	Required to Treat 1000 ft ² (fl oz)
Short Term (2 – 4)	2.1	1.6
Long Term (6 – 8)	4.2	3.2
*For all turfgrass weed control rates, refer to Table 2. Residential, Golf Course, Commercial, and Other Nonresidential Turfgrass Uses for Preemergence Weed Control.		

For extended weed control, repeat applications can be made.

Non-Turfgrass Restrictions

- **DO NOT** exceed a maximum of 4.2 pints (2.1 quarts) product/A (2 lb ai/A) or 3.2 fl ozs/1000 sq ft product (0.1lb ai/1000 sq ft) per single application.

ORNAMENTAL PLANTINGS AND TREE PLANTATIONS INCLUDING NONCROPLAND AREAS

Use this product for grounds maintenance in noncropland areas, for preemergence control of the weed species listed in and around established tree plantations for site preparation, and for maintenance of conifer and hardwood seedling nurseries and pulpwood and fiber farms. This product may be used for hardwood and conifer regeneration on conservation reserve program land. It can also be used in Christmas trees and nonbearing fruit and nutcrops and vineyards established, or bulb and wildflower field plantings, in and around established ornamentals planted in noncropland areas including highway rights-of-way and utility substations. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Applications at Planting or to Established Trees

When applying at planting, it is important to achieve slit closure to prevent this product from directly contacting the tree roots or being washed into the root zone via the open slit, or root stunting may occur. Refer to Landscape and Ornamental Plantings Instructions and Restrictions chart before application.

For postemergence weed control, tank mix combinations of this product plus sethoxydim, glyphosate, glufosinate, or other labeled herbicides are recommended. Refer to approved labeling for species recommendations. Determine rates for tank mix compounds from the product labels of this product and partner herbicides before use. Use caution to prevent combination sprays from direct contact with desirable foliage or injury may result.

This product plus diuron or simazine combinations will broaden weed control spectrum; however, use of combinations may restrict use of this product in sensitive areas. Refer to manufacturer's labels for specific use directions, precautions, and limitations before application and follow those that are most restrictive.

Ornamental Bulbs

This product may be applied for control of susceptible annual weeds in ornamental bulbs listed in the Perennials section in **Table 4. Tolerant Ornamental Species (crocus, daffodil, gladiolus, lily, tulip, etc.)**. Apply before, during, or after bulb emergence. If weeds have already germinated, add a labeled postemergence herbicide to control emerged weeds.

Wildflowers

This product may be applied for control of susceptible annual weeds in plantings of wildflowers listed in the Perennials section in **Table 4. Tolerant Ornamental Species**. The perennial species noted¹ (black-eyed Susan, California poppy, coreopsis, oxeye daisy, etc.) have been evaluated for plant tolerance to applications of this product at 4.2 pints (2.1 quarts) per acre. This product may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed, apply no sooner than 4 weeks after wildflowers have emerged, but before weed germination. If weeds have already germinated, add a labeled postemergence product to control emerged weeds. Refer to all label restrictions before application.

Due to the diversity of species and varieties that exist in areas where wildflowers are grown, the response to this product may vary greatly. Careful testing on desirable species is recommended to determine if area- wide applications can be made.

Nonbearing Fruit and Nutcrops and Vineyards

This product may be applied for preemergence control of most annual grasses and certain broadleaf weeds on the following nonbearing crops:

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

Noncropland

Use this product for preemergence control of most annual grasses and certain broadleaf weeds as they germinate on noncropland areas including railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; utility substations, petroleum tank farms, pumping installations, fence rows, storage areas, windbreaks and shelterbelts.

Industrial (Unimproved) Turf

This product will provide preemergence control of the annual grasses and broadleaf weeds listed in **Table 1. Weeds Controlled** that might germinate in established grass in rights-of-way, roadsides, construction sites, parks, substations, or lots.

Apply before weeds germinate. A postemergence herbicide such as 2,4-D, quinclorac, sethoxydim, MSMA, or similar products registered for this use site may be tank mixed to control established weeds. Apply according to label instructions for the respective products and follow the most restrictive wording.

Total Vegetation Control

This product may be tank mixed with imazapyr, imazapic, sethoxydim, glufosinate, sulfometuron methyl, diuron, glyphosate or other products registered for use on the desired use site to provide bareground or total vegetation control. This product can be used to provide 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. Refer to tank mix partner labels regarding effects on desirable plants.

Applications may be made to existing weeds controlled by the partner herbicide. Determine rates from the product labels before use. Follow the most restrictive label instructions.

For kochia control, combinations of this product with imazapyr or diuron are recommended if control has been a problem for other herbicides.

Landscape and Ornamental Plantings Instructions and Restrictions¹

Site	Application Instructions and Restrictions
Landscape Plantings ²	<ol style="list-style-type: none">1. DO NOT apply to newly transplanted ornamentals until plants have been watered and soil has been thoroughly packed and settled around roots.2. Apply as a directed or over-the-top spray.3. Use the lowest labeled rate when making applications to annuals. Repeat applications can be made for extended landscape weed control.
Ornamental Bulbs ³	<ol style="list-style-type: none">1. This product may be applied to bulb species listed on the label.2. Apply before bulb emergence.
Wildflowers ³	<ol style="list-style-type: none">1. This product may be applied in plantings of wildflowers listed on the label. Refer to specific instructions for rate and plant tolerance.2. For wildflowers being established from seed, apply at 4 weeks after wildflowers have germinated, but before weed seed germination.
¹ Plant only those desirable plant species listed on this label into soil treated the previous season with this product or injury may occur. ² Before treating a large number of plants, spray a few plants and observe for 1 to 2 months for plant damage before full-scale application. ³ DO NOT treat plants grown for food or feed. DO NOT use treated plants for food or feed.	

Weeds Controlled

This product will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow.

Use with herbicides registered for postemergence application for control of established weeds. A treatment of this product may be followed by any registered herbicide to control weeds not listed on this label.

The efficacy of this product will be improved if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if this product is not activated by rainfall or irrigation within 30 days.

COMMERCIAL ORNAMENTAL PRODUCTION

Application Use Sites

This product can be used in and around field, liner, and container ornamental production.

The sprays from this product are safe around and over the top of the established plants listed in **Table 4. Tolerant Ornamental Species**. However, not all varieties or strains of the plant species listed have been tested. Refer to ornamental instructions and restrictions in this label before any application of this product. Unintentional consequences such as crop injury may result because of certain environmental or growing conditions, manner of use, or application. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage before full-scale application.

Application Instructions

This product will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or use with herbicides registered for postemergence use in ornamentals and vegetation control sites. Consult the labels of those herbicides for suggested treatments, rates, and precautions or restrictions for use in these areas.

The efficacy of this product will improve if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. If this product is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Applied according to label directions and under normal growing conditions, this product alone or in tank mix combinations will not cause crop injury. Overapplication can result in crop-stand loss, crop injury, or soil residues. Uneven application can decrease weed control or cause crop 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 this product.

Production Ornamentals Instructions and Restrictions¹

Site	Application Instructions and Restrictions
Newly Transplanted Field-Grown Nursery Stock ^{2,3}	<ol style="list-style-type: none">1. DO NOT make over-the-top applications at time of field transplanting. Use shielded sprayer until plantings have been established for one (1) year or more in the field.2. DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Take care to ensure there are no cracks in the soil where this product could come into contact with the roots.3. DO NOT apply during bud swell, bud break, or at time of first flush of new growth.4. Direct sprays away from grafted or budded tissue on transplants at all times.
Ornamental Bulbs ³	<ol style="list-style-type: none">1. This product may be applied to bulb species listed on the label.2. Apply before bulb emergence.
Newly Transplanted Container-Grown Nursery Stock ^{2,3}	<ol style="list-style-type: none">1. DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Take care to ensure there are no cracks in the soil where this product could come into contact with the roots.2. For container-grown ornamentals, delay first application of the product to bare-root liners for two (2) weeks after transplanting.3. DO NOT apply during bud swell, bud break, or at time of first flush of new growth.4. Direct sprays away from grafted or budded tissue on transplants at all times.
Bareground for Container Placement	Apply to soil (including mulch, gravel, wood chips, or other permeable base); then water in. Replace containerized ornamentals onto pad.
Greenhouses, Shadehouses, or Other Enclosed Structures	DO NOT apply in greenhouses, shade-houses, or other enclosed structures.
¹ Plant only those desirable plant species listed on this label into soil treated the previous season with this product or injury may occur. ² Before treating a large number of plants, spray a few plants and observe for 1 to 2 months for plant damage before full-scale application. ³ DO NOT treat plants grown for food or feed. DO NOT use treated plants for food or feed.	

Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Ornamental Tank Mixes

Emerged weeds in ornamentals can be controlled using tank mixes containing sethoxydim, glyphosate, glufosinate, fluazifop-p-butyl, isoxaben, simazine, and other similar products registered for use on the desired use site. **DO NOT** apply sprays containing glyphosate or glufosinate over the top of ornamental plants.

Before tank mixing, use a simple jar test to ensure compatibility of herbicides. Refer to manufacturer's labels for specific use directions, precautions, and limitations before tank mixing with this product. Follow those that are most restrictive.

Christmas Tree Plantations

Use this product in and around Christmas tree plantations. Apply at planting or to established trees. When applying at planting, it is important to achieve slit closure to prevent this product from directly contacting the tree roots or being washed into the root zone via the open slit or root stunting may occur.

For postemergence weed control, tank mix combinations of this product plus sethoxydim, glyphosate, glufosinate, or other labeled herbicides are recommended. Refer to approved labeling for species recommendations. Determine rates for tank mix combinations from the product labels of this product and partner herbicides before use. Use caution to prevent combination sprays from direct contact with desirable foliage or injury may result. This product plus diuron or simazine combinations will broaden weed control spectrum; however, use of combinations may restrict use of this product in sensitive

areas. Refer to manufacturer's labels for specific use directions, precautions, and limitations before application. Follow those that are most restrictive. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Vegetation Control in Ornamental Production

Use this product for preemergence control of most annual grasses and certain broadleaf weeds as they germinate on noncropland areas including sign posts, pumping installations, fence rows, storage areas, and windbreaks and shelterbelts. This product may be tank mixed with sethoxydim, glufosinate, diuron, glyphosate or other products registered for use on the desired use site to provide bareground or total vegetation control. This product can be used to provide 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. Refer to tank mix partner labels regarding effects on desirable plants.

Applications may be made to existing weeds controlled by the partner herbicide. Determine rates from the product labels before use. Follow the most restrictive label instructions. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Weeds Controlled

This product will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow. This product may be used with herbicides registered for postemergence application for the control of established weeds. A treatment of this product may be followed by any registered herbicide to control weeds not listed on this label.

The efficacy of this product will be improved if the application is followed by ½ inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if this product is not activated by rainfall or irrigation within 30 days.

This product may be used on plant species not listed on this label. Determine the suitability for such uses by treating a small number of such plants at the specified rate. Evaluate treated plants 1 to 2 months following treatment for possible injury.

Sprays from this product are safe around and over the top of the established plants listed in **Table 4. Tolerant Ornamental Species**. Refer to ornamentals instructions and restrictions before application. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Table 4. Tolerant Ornamental Species

Bedding Plants			
Ageratum	Cast-iron plant	Gazania, trailing	Petunia ¹
Alyssum ¹	China aster ¹	Gloxinia	Plumosa cockscomb
Anemome, poppy-flowered	Crocasmia, monteбетia	Kale, ornamental	Portulaca ¹
Artemesia	Dahlia ¹	Marigold, African	Salvia ¹
Balloonflower	Dianthus	Moss rose ¹	Snapdragon
Begonia ¹	Dusty miller	Mum, garden	Statice ¹
Cabbage, ornamental	Gayfeather	Periwinkle ¹	Sweet William
Caladium	Gazania, treasure flower	Periwinkle, rose	Vinca ¹
¹ Application should not be made sooner than 4 weeks after transplanting for these annuals. Use the lower labeled rate.			
Ground Covers			
Ajuga	Iceplant, large leaf	Morningglory	Sand strawberry
Baby sun rose	Ivy, English	Myoporum	Sedum
Beach strawberry	Ivy, geranium	Pachysandra	Stonecrop
Capeweed	Jasmine, Asiatic	Potentilla	Verbena, Peruvian
Cinquefoil, spring	Jasmine, primrose	Red apple	Vervain
Coyotebrush, dwarf	Jessamine, Carolina	Rosemary	Vetch, crown
Daisy, trailing African	Manzanita, bearberry	Rose-of-Sharon	Vinca
Dymondia	Miscanthus	St. Johnswort, creeping	Wintercreeper
Gazania	Mondograss		

(continued)

Table 4. Tolerant Ornamental Species (cont.)

Ornamental Grasses			
Beach grass Fescue, blue Fescue, sheep	Fountain grass Pampas grass	Reed canary grass Reed, giant	Ribbon grass Tufted hair grass
Perennials			
Acacia Asparagus Aster, New York Aster, Stokes Astilbe (False spirea) Avens Baby's breath (<i>Gypsophila elegans</i>) Baby's breath (<i>Gypsophila. paniculata</i>) Beard-tongue Bellflower Bellflower, willow Bird of paradise Black-eyed Susan ¹ Blanket flower ¹ (<i>Gaillardia aristata</i>) Blanket flower ¹ (hybrid) Bleeding heart Butterfly weed California poppy ¹ Calla lily Canna, common garden	Carex Chincherinchee Clover, crimson ¹ Columbine (McKana Giant) Columbine (hybrid) Coreopsis (Tickseed) ¹ Crinum lily Crocus Daffodil (Narcissus) Daylily Fairy duster Fern, asparagus Fern, Boston Fern, hay-scented Fern, leatherleaf ² Fortnight lily Foxglove Freesia Gaillardia	Geum Gladiolus Heather, dwarf Hosta Indian blanket ¹ Iris, Japanese Lantana, weeping Leopard's bane Lily Liriope, big blue Liriope, creeping Liriope, variegated Montbretia Moonbeam Mugwort, Western Nightshade Orchid, peacock Oxeye, daisy ¹ Palm, areca	Palm, pygmy date Palm, Washington Peony, Chinese Purple coneflower ¹ Purple gay-feather Purple loosestrife Rodgersia Rosemary Sedge Shasta daisy ¹ Statice Statice, German Sweet flag Tickseed ¹ Texas bluebonnet Tulip Wonder flower Yarrow ¹ Zephyr lily
¹ These plants have shown tolerance to applications of this product at 4.2 pints/A (2.1 quarts/A) in wildflower plantings established from seed.			
² Applications to immature ferns (during periods of new growth of fronds) may result in some injury.			

(continued)

Table 4. Tolerant Ornamental Species (cont.)

Shrubs			
Abelia, glossy	Euonymus	Laurel, Schipka	Pyracantha
Alder, witch	Euonymus, golden	Laurustinus	Quince, flowering
Aucuba, gold	Euonymus, winged	Lavender, English	Ranger, Texas
Azalea	Firethorn	Leucothoe	Redroot
Bamboo, heavenly	Forsythia, border	Leucothoe, coast	Rhododendron
Barberry	Fragrant olive	Lilac, cut-leaf	Robira
Barberry, Japanese	Fuchsia, California	Lily-of-the-Nile	Rose
Blue indigo bush	Gardenia	Mahonia	Spiceplant
Bottlebrush, lemon	Hawthorne, Indian	Mock orange	Spiraea
Boxwood, common	Hibiscus	Myrtle, compact	Spiraea, Anthony Waterer
Boxwood, Japanese	Holly, Chinese	Myrtle, wax	Spiraea, Japanese
Brittlebush	Holly, Japanese	Nandina	Sweet bay
Buttonbush	Holly, Fosters	Oleander	Trumpet bush
Camellia	Holly, Savannah	Oregon grape	Verbena, lemon
Cape jasmine	Holly, Yaupon	Osmanthus	Viburnum
Cassia, feathery	Honeysuckle, bush	Palm, European fan	Vitex
Cordyline	Hopseed bush	Palm, Mediterranean fan	Weigela
Correa	Hopbush	Phlox, prickly	Wild lilac
Cotoneaster	Hydrangea	Photinia, Fraser	Wisteria
Cotoneaster, bearberry	Juniper	Pieris, Japanese	Xylosma
Cotoneaster, rock	Juniper, Chinese	Pine, Mugo	Yellowbells
Cypress, Italian	Juniper, shore	Plum, Natal	Yew ¹
Cypress, Leyland	Juniper, trailing	Privet, California	Yew, Japanese ¹
Deutzia, slender	Laurel, cherry	Privet, glossy	Yew, Southern ¹
Dogwood, red twig	Laurel, mountain	Privet, variegated	Yucca, Adam's needle
Elaeagnus	Laurel, Otto Luyken	Privet, waxleaf	Yucca, weeping
Escallonia			

¹ Applications should not be made during spring growth or injury to terminals may occur.

(continued)

Table 4. Tolerant Ornamental Species (cont.)

Trees			
Alder, European black	Dogwood, shrub	Maidenhair tree	Pine, Monterey
Apple	Dogwood, silky	Maple, Japanese	Pine, red
Arborvitae, American	Elm	Maple, Norway	Pine, Scotch
Arbutus	Elm, winged	Maple, red	Pine, Virginia
Ash, red	Eucalyptus (Silver-dollar) tree	Maple, sugar	Pine, white
Ash, white	Fir, balsam	Nannyberry, rusty	Plum, purpleleaf
Aspen, bigtooth	Fir, Douglas	Oak, chinquapin	Poplar, black
Aspen, quaking	Fir, Fraser	Oak, live	Redcedar, Eastern
Basswood	Fir, white	Oak, pin	Redcedar, Western
Birch, European weeping	Franklinia	Oak, red	Red ironbark
Birch, river	Fringe tree	Oak, swamp chestnut	Redwood, dawn
Buckeye, red	Ginkgo	Oak, water	Sequoia, giant
Cedar, white	Gum, black	Oak, white	Serviceberry
Chamaecyparis, Boulevard	Gum, sour	Oak, willow	Sourwood
Cherry, black	Haw, black	Olive	Spruce, Colorado blue
Cherry, choke	Hawthorn	Palm, date	Spruce, dwarf Alberta
Cherry, Kwanzan	Hemlock, Canada	Palm, fan	Spruce, Norway
Cherry, Nanking	Hemlock, Eastern	Palm, pindo	Spruce, white
Cottonwood	Holly, America	Palm, Washington	Sweetgum
Crabapple	Honeylocust	Peach	Sycamore
Crape myrtle	Lilac, common	Pear, Bradford	Trachycarpus
Cryptomeria, Japanese cedar	Lilac, Japanese tree	Pecan	Tulip tree
Cypress, bald	Linden	Pine, Austrian	Walnut, black
Cypress, Leyland	Magnolia, saucer	Pine, Italian stone	Willow, weeping
Dogwood, flowering	Magnolia, Southern	Pine, loblolly	Yellowwood
Dogwood, Korean	Magnolia, star		

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: DO NOT freeze. **DO NOT** store below 40°F. Store product in original container only in a location inaccessible to children and pets. **DO NOT** contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage around the home.

PESTICIDE DISPOSAL: DO NOT contaminate water, food or feed by storage or disposal. Dispose of excess waste or pesticide by use according to label directions or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING less than or equal to 5 gallons:

Non-refillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

ALMACENAMIENTO Y DESECHO

NO contamine agua, comida ni forrajes mediante el almacenamiento y desecho.

ALMACENAMIENTO DE PESTICIDAS: NO congelar. **NO** lo almacene por debajo de 40°F. Guarde el producto en su envase original únicamente en un lugar inaccesible a niños y mascotas. **NO** contamine el agua, otros pesticidas, fertilizantes, alimentos o piensos mientras esté almacenado. No para uso ni almacenamiento en el hogar.

DESECHO DE PESTICIDAS: NO contamine agua, comida ni forrajes mediante el almacenamiento y desecho. Deseche el exceso o los desechos de pesticidas utilizándolos de acuerdo con las instrucciones de la etiqueta, o comuníquese con la agencia estatal de control ambiental o de pesticidas, o con el representante de desechos peligrosos de la oficina regional de la EPA más cercana para obtener orientación.

MANIPULACIÓN DE RECIPIENTES ≤ 5 galones:

Recipientes no recargables. **NO** reutilice ni rellene este recipiente. Enjuague tres veces el recipiente (o equivalente) inmediatamente después de vaciarlo. Enjuague tres veces de la siguiente manera: Vacíe el contenido restante en el equipo de aplicación o en un tanque de mezcla y drene durante 10 segundos después de que el flujo comience a gotear. Llène 1/4 del recipiente con agua y vuelva a tapar. Agitar durante 10 segundos. Vierta el enjuague en el equipo de aplicación o en un tanque de mezcla o almacene el enjuague para su uso o eliminación posterior. Drene durante 10 segundos después de que el flujo comience a gotear. Repita este procedimiento dos veces más. Luego ofrézcalo para reciclarlo, si está disponible, o perforélo y deséchelo en un vertedero sanitario, o mediante incineración, o mediante otros procedimientos aprobados por las autoridades estatales y locales.

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