

# Spring Valley Plus .42 Prodiameine

# 18-0-5

**Guaranteed Fertilizer Analysis:**

Total Nitrogen (N).....	18.00%
1.80% Ammonium Nitrogen	
16.20% Urea Nitrogen*	
Soluble Potash (K <sub>2</sub> O).....	5.00
Sulfur (S).....	2.05%

Derived From: Ammonium Sulfate Murinito de Potash, Polymer Coated Urea, and Urea.

\*The Urea in this product has been coated to provide 9.00% Slow-Release Nitrogen.

For selective preemergence control of grass and broadleaf weeds in:

- Established Turf Grasses (excluding golf course putting greens) and lawns

**Active Ingredient:**

Prodiameine, [(H <sub>3</sub> N) <sub>2</sub> DN-propyl]-2,4-dinitro-6-(trifluoromethyl)-	0.42%
m-phosphonofumarate	
Inert Ingredients.....	99.58%
<b>Total</b> .....	100.00%

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

EPA Reg. No. 60063-43-41124  
EPA Est. Nos. 41124-WI-1 41124-OH-1 045719-PA-003

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**FIRST AID:** If IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

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

If ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If 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 further treatment advice.

If this product contacts or is swallowed by a person call a poison control center, or doctor, or when going for treatment. You may also call 1-800-855-7378 for emergency medical treatment advice.

#### ENVIRONMENTAL HAZAROS

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product by rains weather. Wind drift is not predicted to be a real hazard. It helps to ensure that wind drift or spray does not fall on water bodies or fish spawning areas. Sweeping any product that finds on a driveway, sidewalk, or street back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds.

• Established turf grasses (excluding golf course putting greens) and lawns

This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this is applied at least 1/2 inch of rainfall, irrigation, or shadow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown for: (1) Sale or other commercial use, (2) for commercialized production, or (3) for research purposes. For use on plants intended for research purposes, please follow directions and growing in ornamental gardens, parks, or on golf courses or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting green. Do not apply this product through any type of irrigation system.

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

#### WEEDS CONTROLLED

When used according to this label this product will provide control of the following weeds:

Barnyardgrass      Kochia  
 Bluegrass, Annual (*Poa annua*)      Lambsquarters, common  
 Carpetweed      Lovegrass  
 Chickweed, common      Parthenium (Texas, Fall, Browntop)  
 Cocklebur (Xanthium strumarium ex. (burn seed))      Pigweed, common  
 Crabgrass (*Dactyloctenium*, amaranth)  
 Crotonroot      Pursley, Florida  
 Cupgrass, Wooly      Reseedgrass?  
 Foxtail, Annual      Shepherd's Purse?  
 Foxtailgrass\*      Sheep Sorrel, broadleaf  
 Henbit      Sheep Sorrel, Persian  
 Kochia      Sprangletop  
 Johnsongrass (Kom seed)      Spurge, Prostrate  
 Lambsquarters      Wild Oats  
 Kermesweed      Wild Oats, Yellow (from seed)

In areas where a single application of 0.65 lb. to 1.5 lb. active ingredient per acre (ranging to 3.0 to 8.2 lbs./1000 sq. ft. of this product) will control grasses, however, under heavy grasspress pressure and/or extended grass season, more effective results may be obtained by applying an additional 0.65 lb. to 1.5 lb. active ingredient per acre (ranging to 3.0 to 8.2 lbs./1000 sq. ft. of this product) one week after the first application at doses that would not exceed rates given in the Maximum Annual Rate Table. Do not exceed the maximum rate specified in the Maximum Annual Rate Table.

Applications for 21% weed control must be made in accordance with the directions on the label.

Reapplication only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application recommended for each species. Applications must be made prior to germination of that weed species.

#### APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

#### ESTABLISHED TURF:

This product is a selective preemergence herbicide that, when properly applied, will control annual grass and broadleaf weeds in established lawn grasses and broadleaf weeds. The amount of product and the number of applications per year is dependent on each lawn grass species. In the Maximum Annual Rates section of this label, most effective weed control in turf grasses will be obtained when this product is applied by at least 0.5 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

#### CRABGRASS SEED GERMINATION DATES



**USE PRECAUTIONS:** The following precautions apply to the use of this product in lawns, pastures and trees: (1) Application of this product to lawns may not be emerged annual grasses and many broadleaf weeds. Do not apply to lawns until 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if the product is applied before seedling secondary roots are formed. (2) Do not cut grasses treated with this product for 120 days after application. Do not apply to lawns until 60 days after application and until the following year. (3) Do not cut grasses treated with this product for 120 days after application. Do not apply to lawns until 60 days after application and until the following year. (4) Application of this product to lawns stressed by drought, low fertility, or pest damage may result in lawns injury. (5) Disturbing the herbicide barrier with cultural practices such as diskking may result in reduced weed control. Do not apply this product to putting greens or areas where dianthus, petunias, begonias, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

#### RATES OF APPLICATION

This product may be applied as a single application or in sequential applications to control weeds permanently throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Actual weed rate reduction should be based on target species. The length of time of residual weed control provided by this product is related to the rate applied.

#### MAXIMUM ANNUAL RATES

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table.

Maximum Application Rate/Calendar Year of turf fertilizer by turf grass species*			
Turf Species:	lbs. Product/A	lbs. Product/1000 sq. ft.	lbs. a.i./A
Creeping Bentgrass	155	3.6	0.65
Creeping Red Fescue	179	4.1	0.75
Buffalograss			
Kentucky Bluegrass			
Pennisetum Ryegrass	238	6.6	1.0
Zoysia			

\*These are the maximum rates per calendar year for species indicated. May be used on newly applied or sprayed lawns. Bentgrass should not be applied 0.5 lb. a.i./acre (equivalent to 2.7 lbs./1000 sq. ft. of this product). Hardy sprigged or sprayed Bermudagrass stolen mowing may be temporarily retarded. Suppression only of Festuca, Goosegrass, and Rhodesgrass due to reduced product rates used in sprigging situations.

• Use 0.5 lb. a.i./acre per calendar year per acre (equal to 0.6 lbs./1000 sq. ft. of this product).

• Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates Table.

#### WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded lawns within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if the product is applied before seedling secondary roots are in the second inch of soil, not until plus six.

#### WHEN TO OVERSEED AFTER APPLICATION

This product may be applied to lawns and other turf species if overseeded too soon after application. Follow rates and intervals in the following table below for best overseeding results.

Lbs. Product/Acre	Lbs. Product/1000 sq. ft.	Months Before Overseeding
119	0.50	4
155	0.65	5
180	0.80	5
190	0.85	6
238	1.00	7
271	1.14	-
310	1.30	-
357	1.50	10
		12

#### SPREADER SETTINGS

Spreader settings vary by make and model of spreader. It is recommended that individual spreaders are calibrated for the specific product that is to be applied. A walking speed of 3 miles per hour is recommended.

Spreader Model	SPREADER SETTINGS			
	Application Rate <sup>a</sup> a.i./Acres	(Product lbs./1000 sq. ft.)	(Product lbs./1000 sq. ft.)	(Product lbs./1000 sq. ft.)
Excalibur 2400	14	15	14	16
Excalibur 2400	0	31	0	1
Spex Accuro	0	31	0	1

<sup>a</sup> Due to spreader setting variations, application rates must be applied twice to achieve the label rates. i.e., Apply 0.5 lb. a.i./acre twice to activate the 1.0 lb. a.i./acre rate.

• Apply 0.5 lb. a.i./acre twice to activate the 1.0 lb. a.i./acre rate.

#### STORAGE AND DISPOSAL

Store this product in its original container in a dry, cool, secured area. Do not contaminate water, foodstuffs, feed, or seed by storage or handling.

#### PRODUCT DISPOSAL

As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.

Do not pollute ground water, surface water, or streams. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill by incineration or, if allowed by state and local authorities, by burning. If burned, play out of smoke.

#### CONDITIONS OF SALE AND WARRANTY

The directions for use of this product reflect the opinion of experts based on field use and tests. These directions are not to be considered absolute. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other undesirable consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application. Vogel Seed and Fertilizer shall not be liable for damages resulting from the use of this product in the United States or in any other country or territory. The Seller shall not be liable for damages resulting from the use of this product in Canada or elsewhere outside the United States. The Seller shall not be liable for damages resulting from the use of this product in any country or territory where the use of this product is illegal.

Vogel Seed and Fertilizer makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied Warranty.

To the extent consistent with applicable law, in no case shall Vogel Seed and Fertilizer be liable for any special, incidental, or consequential damages resulting from the use or handling of this Product. To the extent consistent with applicable law, Vogel Seed and Fertilizer and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Vogel Seed and Fertilizer.

NET WEIGHT: 50 pounds (22.7kg.)

Item # 2078763T 110513 re

MANUFACTURED BY  
Vogel Seed & Fertilizer, Inc.  
1591 Spring Valley Road  
Jackson, WI 53037

DITHIOPVR	GROUP	3	HERBICIDE
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## Nutrite Professional Turf Fertilizer with Dithiopyr®

### Dimension® 0.19% Herbicide

#### Turf and Ornamental Herbicide

For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf, including golf course fairways, roughs and tee boxes.

- Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
- For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

In the state of New York, the product must only be used by commercial applicators at no more than 263 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 132 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.25 lb dithiopyr/acre/year).

# 19-0-5

AccuBait®  
Regular  
SIGN 220

#### GUARANTEED ANALYSIS

Total Nitrogen (N) ..... 19.0%

17.1% Urea Nitrogen

1.9% Ammonium Nitrogen

Soluble Potash (K-2O) ..... 5.0%

Sulfur (S) ..... 2.2%

2.2% Combined sulfur

Derived from: Polymer-coated urea, Urea, Ammonium sulfate, Murate of potash

\*7.6% Slowly available nitrogen from polymer-coated urea

#### ACTIVE INGREDIENT:

dithiopyr: 3-(5-pyridinemedicarbothioic acid, 2-

(difluoromethyl)-4-(2-methylpropyl)-6-

(trifluoromethyl)-)S,S-dimethyl ester. ....

0.19%

99.81%

TOTAL:

100.00%

This product contains 0.005 pound of the active ingredient dithiopyr per 50 pound bag.

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## KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 62719-488-90561  
EPA EST. NO. 87245-CAN-001 (C)  
EPA EST. NO. 92091-CAN-1 (P)  
EPA EST. NO. 059135-42-001 (A)  
EPA EST. NO. 93243-CT-1 (CT)  
EPA EST. NO. 90561-NC-001 (N)

\*Number in parentheses is first letter of lot number

\*If lot begins "C" or "P": Manufactured in Canada

\*If lot begins "A": Manufactured in the USA

**Product Code: P004460**  
**Net Wt. 50 lb (22.68 kg)**

MANUFACTURED, GUARANTEED AND DISTRIBUTED BY:  
Ferti Technologies NC

111 McNease Road, Statesville, NC 28677

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

##### CAUTION

Causes Eye Irritation • Harmful if inhaled  
Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

##### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. 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 further treatment advice.

##### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-392-3934 day or night, for emergency treatment information.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply with weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment/wastewaters.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of Directions for Use. If terms are unacceptable, return it once unopened.

In case of emergency, endangering health or the environment, involving this product, call 1-800-392-3934.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

DIRECTIONS FOR USE

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

## STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store this product only in its original container in a dry, cool, secured storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available, or 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.

WEED RESISTANCE MANAGEMENT

Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide, which contains the active ingredient dithiopyr, is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burn-down herbicide application or tillage.
- If using post-emergence herbicides or tank mixes, control weeds early when they are relatively small.
- Apply full rates of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide for the most difficult to control weed in the field at the specified time to minimize weed escapes.
- Scout fields after application to detect weed escapes or shifts in control of weed species.

Control weed escapes before they reproduce by seed or proliferate vegetatively.

Your local company representative, local retailer, or county extension agent.

Contact your local company representative, crop advisor, or extension agent to find out about resistant weeds to this MOA have been found in your region.

If suspected resistant weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective modes of action for each target weed.

If resistance is suspected, treat weed escapes with an herbicide having a mode of action other than Group 3 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.

• Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum herbicide with other mode of actions as a foundation in a weed control program, if appropriate.
- Utilize sequential applications of herbicides with alternative modes of action.
- Rotate the use of this product with non-Group 3 herbicides.

Fertilizer with Dimension® 0.19% Herbicide and any other Group 3 herbicides within a single growing season unless mixed with an herbicide with a different mode of action.

• Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.

• Use good agronomic principles that enhance crop development and crop competitiveness.

• Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.

• Manage weeds in and around fields to reduce weed seed production.

##### USE DIRECTIONS FOR TURF

Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide provides season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs and tee boxes. When used according to label directions, this product will not harm nearby established ornamentals identified as "Tolerant Ornamentals" elsewhere in this label.

##### USE PRECAUTIONS FOR TURF

This product may be used on seeded, sodded, or spigged lawns and ornamental turfs that are well-established. Initial application of this product should be made only after turfgrasses have developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging. Use of this product on turfgrasses that are not well-established or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury.

Precautions for Raising, Overseeding, or Sprigging

• Reseeding, overseeding, or sprigging of areas treated with this product within 10 weeks after a single application of this product or within 16 weeks after a spill application (program totaling 6.0 lb/1,000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses.

• When reseeding or overseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.

• For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

##### Precautions for Control of Crabgrass

Early post-emergence weed control with this product effectively controls crabgrass, but only if application is made prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

##### Use Restrictions

• Do not use clippings from treated lawns for mulching around vegetables or fruit trees.

• Do not allow people or pets to enter treated area until dust has settled.

• Do not spray livestock or feed forage cut from areas treated with this product.

• Do not apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.

Apply this product only to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

Cool-Season Grasses?	Agrostis pallens
bentgrass, creeping?	Poa pratensis
bentgrass, Kentucky?	Poa annua
grass, tall?	Festuca arundinacea
ryegrass, perennial?	Lolium perenne
Warm-Season Grasses	
bahiagrass	Paspalum notatum
bermudagrass	Cynodon dactylon

buffalograss Tif	Buchloe dactyloides
cartergrass	Axonopus annuis
centipedegrass	Eremochloa ophiuroides
chetkagrass	Pennisetum clandestinum
SL Agrostisgrass	Stenotaphrum secundatum
Zoysia grass	Zoysia japonica

\*Use of this product on certain varieties of creeping bentgrass, such as 'Centaur', 'Farnham', 'seaside' and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

†Use of this product on certain varieties of fine fescue may result in undesirable turfgrass injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'bamboo', 'beauty', 'billiard', 'CF-2', 'enjoy', 'HF-93', 'highlight', 'Ivado', 'Jamestown', 'Kokat', 'Magenta', 'man', 'Pennlawn', 'Tajima', 'waterfall', and 'wadinal'. Not all varieties of fine fescue have been tested.

††Do not use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass has established new roots.

Note: It is not possible to evaluate all turfgrass varieties to this product. It is suggested that the user reevaluate the response of turfgrass varieties not listed on this label on a limited area, at specified use rates, prior to initiating large-scale use.

**Application Directions for Turf**  
Apply Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide with equipment that provides a uniform particle distribution. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application.

#### Preenemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide as single or sequential application at 132 to 263 pounds per acre. Applicators may choose to make a single application or sequential applications at 132 to 263 pounds per acre. Applicators may choose to make a week intervals based on one or more of the factors listed below. Avoid streaking, skips, or excess overlaps during application.

- Length of residual weed control desired
- History and success of weed control at the application site (use higher listed application rates if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces (including driveways, sidewalks and parking lots) where residual activity may be reduced
- Some target weed species (such as burr grass, goosegrass and sandbur) will require higher use rates

Tips for Improved Weed Control  
For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

\*The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

**Maximum Use Rates (Applies to all Turfgrass Uses)**  
Do not apply more than 263 lb (0.5 lb active ingredient) per acre (3.0 lb per 1000 sq ft) per application.

\* Do not apply more than 6 times a year and do not apply more than 750 lb (1.5 lb active ingredient) per acre (18.0 lb per 1000 sq ft) per year (using split or sequential applications).

\* To minimize the potential for turfgrass injury, do not make applications within five weeks of the previous application.

\* In the state of New York, the product must only be used by commercial applicators at no more than 263 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.5 lb diethypyrofate/year), in Nassau and Suffolk Counties of New York, do not exceed 132 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.25 lb diethypyrofate/year).

**Control of Crabgrass**  
Preenemergence and Early Postemergence Applications from Late Winter through Summer

\*This product provides "preemergence" control of crabgrass in established turfgrasses (including the fescue, smooth, and seashore species) when applied prior to germination and emergence of crabgrass at use rates from 132 to 263 pounds (0.25 to 0.5 lb active ingredient) per acre.

\*This product also provides "early postemergence" control of crabgrass if applied in late spring or early summer prior to the 3-leaf stage of growth or first tiller as described below. This stage of growth generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. The practical benefit of early postemergence crabgrass control is 2 - 4-week longer period of time (window of application) during which crabgrass control can be achieved.

**Fall Applications.**  
This product can also be applied in the late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing preemergence control of crabgrass in the following spring.

\*Do not apply more than 6 times a year and do not apply more than 750 lb (1.5 lb active ingredient) per acre (18.0 lb per 1000 sq ft) per year (using split or sequential applications).

\*To minimize the potential for turfgrass injury, do not make applications within five weeks of the previous application.

\*In the state of New York, the product must only be used by commercial applicators at no more than 263 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.5 lb diethypyrofate/year). In Nassau and Suffolk Counties of New York, do not exceed 132 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.25 lb diethypyrofate/year).

be followed by an appropriately timed application in the following spring for season-long control of crabgrass.		
Weeds Controlled or Suppressed		
When applied preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds.		
<b>Grasses</b>		
barley	Hordeum spp.	
barnyardgrass	Echinochloa crus-galli	
bluegrass, annual	Poa annua	
brome	Bromus spp.	
orchgrass, large	Digitaria sanguinalis	
orchgrass, smooth	Digitaria ischaemum	
crabgrass, Southern	Digitaria ciliaris	
crownforsythia	Dactyloctenium aegyptium	
dillgrass (seedling)	Paspalum dilatatum	
goosegrass	Eragrostis indica	
foxtail, green	Selaginella vermiculata	
foxtail, yellow	Selaginella tamarisci	
kikuyugrass†	Pennisetum clandestinum	
oats, wild	Avena fatua	
pegrass	Lolium spp. (annual & perennial)	
sandbur	Cenchrus spp.	
sanfoin	Sporobolus indicus	
<b>Broadleaf Weeds</b>		
bittercress†	Cardamine spp.	
carpetweed	Molinia cordata	
chickweed†	Stellaria spp.	
herb	Gentianella Carolina †	
knaweed, prostrate	Lamium galeobdolon	
lespedeza, common†	Geranium carolinianum	
medic, black	Lamium galeobdolon	
mustard	Brassica spp.	
oxalis, buttercup	Oxalis pes-caprae	
pineappleweed†	Matthiola incana	
pigweed, redroot	Molinia retroflexus	
pasture-plant†	Amaranthus retroflexus	
purslane, common	Amaranthus viridis	
rockfoil, London	Polygonum aviculare	
shepherdspurse	Lamium galeobdolon	
snowdrop, com†	Conyza canadensis	
spurge, garden	Medicago lupulina	
sprague, prostrate	Brassica spp.	
spurge, spotted	Orachella elatior	
wood sorrel, creeping	Capsella bursa-pastoris	
wood sorrel, yellow	Euphorbia heterophylla	
wood-sorrel	Euphorbia humistrata	
wood-sorrel, yellow	Euphorbia maculata	
wood-sorrel, yellow	Oxalis corniculata	
wood-sorrel, yellow	Oxalis stricta	
<b>Fall Applications</b>		
When applied preemergence (prior to germination) in late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing preemergence control of crabgrass in the following spring.		
bluegrass, annual	Poa annua	
chickweed	Cardamine spp.	
herb	Lamium spp.	
geranium, Carolina	Gentianella Carolina	
parsetye-plant	Matthiola incana	
shepherdspurce	Amaranthus viridis	
spurge, prostrate	Brassica spp.	
spurge, spotted	Orachella elatior	
wood-sorrel, yellow	Capsella bursa-pastoris	
<b>Application Instructions and Equipment</b>		
This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the specified application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.		
Check equipment frequently to verify calibration and proper functioning.		

be followed by an appropriately timed application in the following spring for season-long control of crabgrass.

#### Weeds Controlled or Suppressed

When applied preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds.

**Use Directions for Landscape Ornamentals**

Nutrite Professional Turf Fertilizer with Dimension® 0.19% herbicide provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. This product may be applied in ornamental gardens, parks, golf courses and residential areas where ornamental plants are grown for aesthetic purposes. Apply this product with a properly calibrated spreader that will provide uniform particle distribution. Follow instructions in the "Application Instructions and Equipment" section above.

**Use Rates**

This product may be applied as a single application or split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided maximum application rates per year given below are not exceeded.

Pounds of Product/Acre	Pounds of Product/1000 sq ft	Pounds of Product/10 sq ft†
263	6.0	0.6 (9.5 oz.)

\*These settings are approximate for the application rate shown per 1,000 square feet. You may need to adjust the spreader setting depending on walking speed, spreader condition and product.

†Rate based on an area of 100 sq ft for treatment of small areas.

Maximum Use Rates

Do not apply more than 263 lb (0.5 lb active ingredient) per acre (3.0 lb per 1000 sq ft) per application.

\*Do not apply more than 6 times a year and do not apply more than 750 lb (1.5 lb active ingredient) per acre (18.0 lb per 1000 sq ft) per year if using split or sequential applications.

\*To minimize the potential for plant injury, do not make additional applications within five weeks of the previous application.

\*In the state of New York, the product must only be used by commercial applicators at no more than 263 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.5 lb diethypyrofate/year). In Nassau and Suffolk Counties of New York, do not exceed 132 lb of Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide per acre per year (0.25 lb diethypyrofate/year).

Application Timing and Instructions

Nutrite Professional Turf Fertilizer with Dimension® 0.19% Herbicide is effective as a preemergence herbicide, but will not control established weeds. Applications to mulched areas or bare ground must be made prior to seed germination. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Existing weeds may be controlled by hand weeding, cultivation or using postemergence herbicides prior to application.

**Tips for Improved Weed Control**

\*The herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

\*Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

**Use Precautions**

\*To avoid soil damage to ornamentals, irrigate immediately after application to remove herbicide granules adhering to foliage.

**Use Restrictions**

\*Do not apply this product directly to bare roots of ornamental plants as injury may result.

\*Do not incorporate this product into soil. Duration of active ingredient and possible injury.

\*Do not apply to soil or around ornamental plants that are under stress resulting from drought, flooding, excessive fertilizer, or salt salts, wind injury, heat, frost damage, winter injury, injury from previously applied pesticides, or damage due to insects, nematodes or disease.

\*Do not apply under conditions that would affect uniformity of application or distribution on the soil surface. Uneven product distribution will result in uneven weed control.

\*Application under windy conditions can result in uneven distribution or cause herbicide granules to drift from the intended treatment area.

\*Apply this product only to established ornamentals.

\*Do not use on food producing trees and ornamentals.

holly			
	<i>Ilex spp.</i>	<i>Ilex X meserveae</i>	blue boy blue girl burro's china girl compacta forsteri hellie Japanese northern beauty needles point Nellie R. Stevens Savannah
Holly, Chinese		<i>Ilex cornuta</i>	
holly, Japanese		<i>Ilex crenata</i>	
holly, yaupon		<i>Ilex vomitoria</i>	clavensis dwarf holliana tatariana Canadian white zabelii red holly
honeysuckle		<i>Lonicera japonica</i>	
hosta		<i>Hosta spp.</i>	albo marginata
ice plant		<i>Carpobrotus edulis</i>	
Impatiens		<i>Impatiens spp.</i>	
Iris		<i>Iris spp.</i>	dwarf blue wedgewood
Ivy, English		<i>Hedera helix</i>	bulgaria thommaile
Jasmine, Asian		<i>Trachelospermum Jasminoides</i>	
Juniper		<i>Juniperus spp.</i>	acredia armstrong bar harbor blue chip blue pacific blue rug blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta frullanti green gold tip hetz hughes Manhattan blue parson prinziana plumosa prince of Wales procumbens dwarf San Jose sargent blue scandens scoparium moonglow scoparium skyrocket spartan
	<i>Juniperus chinensis</i>	<i>Juniperus sabina</i>	tamariscifolia weberi youngstown yukon belle
King palm	<i>Archontophoenix cunninghamiana</i>		
laurel, Australian		<i>Pittosporum tobira</i>	
laurel, mountain		<i>Kalmia latifolia</i>	
leucotrichia		<i>Leucothoe fontanesiana</i>	
ligustrum, Japanese		<i>Ligustrum japonicum</i>	
Tily, African		<i>Aegiphilus africanus</i>	albus Peter Pan
Vly, African blue		<i>Platycladus orientalis</i>	
lliyurt		<i>Litsea glutinosa</i>	Ma Fi'e evergreen giant lllic beauty majestic monroe white variegata
lriope, green		<i>Liriope spicata</i>	

maple, Japanese	<i>Acer palmatum</i>
maple, Norway	<i>Acer platanoides</i>
maple, red †	<i>Acer rubrum</i>
maple, silver	<i>Acer saccharinum</i>
maple sugar †	<i>Acer saccharum</i>
marigold	<i>Tagetes patula</i>
mock orange †	<i>Philadelphus spp.</i>
mondo grass	<i>Ophiopogon japonicus</i>
moss rose	<i>Pontederia grandiflora</i>
myrtle, cape	<i>Lagerstroemia indica</i>
myrtle, wax	<i>Myrica cerifera</i>
nandina	<i>Nandina domestica</i>
narcolepsis	<i>Nemopanthus spp.</i>
oak, laurel	<i>Quercus laurina</i>
oak, pin	<i>Quercus palustris</i>
oak, red	<i>Quercus rubra</i>
oak, southern	<i>Quercus virginiana</i>
oak, willow	<i>Quercus phellos</i>
olander	<i>Nerium oleander</i>
paper flower	<i>Bougainvillea glabra</i>
peach †	<i>Prunus persica</i>
peppermint, dwarf	<i>Vinca minor</i>
pelonia	<i>Peltaria hybridia</i>
pampas grass	<i>Phragmites australis</i>
panyly	<i>Viola × williamsii</i>
pears	<i>Piers labinotata</i>
pine, Australian	<i>Pinus nigra</i>
pine, Japanese black	<i>Pinus thunbergiana</i>
pine, nobilis	<i>Pinus taeda</i>
pine, longleaf	<i>Pinus palustris</i>
pine, mugo	<i>Pinus mugo</i>
pine, Scotch	<i>Pinus sylvestris</i>
pine, slash	<i>Pinus elliottii</i>
pine, Swiss mt.	<i>Pinus mugo</i>
pine, white	<i>Pinus strobus</i>
pinapple, guava †	<i>Feijoa sellowiana</i>
petalilla	<i>Potentilla nepalensis</i>
pitosporum, Japan	<i>Potentilla fruticosa</i>
privet	<i>Ligustrum japonicum</i>
queen palm	<i>Arecastrum</i>
privet, glossy	<i>Ligustrum lucidum</i>
pyracantha	<i>Pyracantha kotschyi</i>
rhododendron	<i>Rhododendron</i>
rhododendron, carolina	<i>camolinum</i>

rhododendron, catenata	<i>Rhododendron catenatum</i>
rockress	<i>Aralia spp.</i>
robinia max (rosebay)	<i>Rhododendron maximum</i>
rose †	<i>Rosa banksiae</i>
rosemary, bog	<i>Rosmarinus officinalis</i>
santva	<i>Santolina officinalis</i>
sedum	<i>Sedum spuriu</i>
spirea	<i>Spiraea spp.</i>
spirea, garland	<i>Spiraea spp.</i>
spirea, black hills	<i>Spiraea glauca</i>
spiree, Colorado blue	<i>Picea pungens</i>
spruce, norway	<i>Picea abies</i>
spruce, white	<i>Picea glauca</i>
sweetflag, grassy/tre	<i>Liriodendron tulipifera</i>
sweetgum	<i>Liquidambar styraciflua</i>
sycamore	<i>Platanus occidentalis</i>
tree fern (fdl fern)	<i>Asplenium nidus</i>
trumpet flower,	<i>Gesneria sempervirens</i>
tulip	<i>Tulipa spp.</i>
verbena, shrub	<i>Lantana sebestena</i>
viburnum	<i>Viburnum spp.</i>
verbain	<i>Viburnum spp.</i>
vine, periwinkle	<i>Vinca minor</i>
windmill palm	<i>Trachycarpus fortunei</i>
xyletma	<i>Xylostea congespum</i>
yarrow	<i>Achillea spp.</i>
yautpon	<i>Hedychium</i>
yew	<i>Taxus cuspidata</i>

\*Ornamental species only. Do not use on food producing trees and ornamentals.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

**Warranty Disclaimer**  
Seller 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, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**Inherent Risks of Use**  
It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions etc.), abnormal conditions (such as excessive rainfall, drought, hurricanes, etc.), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

**Limitation of remedies**  
To the extent permitted by law, the exclusive remedy for losses or damages resulting from the use of this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought; or

2. Replacement of amount of product used.

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner. ©2010 Trademarks of Dow AgroSciences, DuPont or Pioneer and their affiliated companies or respective owners.

EPA accepted 7/16/20

It is a violation of law in Maryland, New Jersey and New Hampshire to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sqft. of readily available nitrogen or more than 0.9 lb per 1,000 sqft. of total nitrogen with a least 20% of which shall consist of slow release nitrogen per application. Additional restrictions apply to total nitrogen applied to turf per season. Other state and local restrictions may apply.

Virginia Applications: No more than 0.7 lb per 1,000 sqft. of readily available nitrogen during any given 30 day period. No more than 0.9 lb (cool season grasses) or 1.0 lb (warm season grasses) per 1,000 sqft. of total nitrogen with a least 20% of which shall consist of slow nitrogen during any given 30 day period.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at the following website: <http://www.eapfo.org/metals.htm>

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

Rev1220.ML07152020



Bayer Environmental Science

# ACCLAIM®

## EXTRA

## HERBICIDE

For postemergence annual and perennial grass control in turfgrass including sod farms, commercial and residential turf, and ornamentals.

Active Ingredient:

fenoxaprop-p-ethyl: (+)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate ..... 6.59%\*

INERT Ingredients: ..... 93.41%

Total: ..... 100.00%

EPA Reg. No. 432-950

EPA Est. No. 264-CAN-001

\*Equivalent to 0.57 pound of pure fenoxaprop-p-ethyl (d isomer) per gallon

\*\*Contains petroleum distillates

Protected by U.S.Patent No. 5,254,527

**Keep out of reach of children.**

### CAUTION

IN CASE OF MEDICAL, ENVIRONMENTAL, OR  
TRANSPORTATION EMERGENCIES OR INJURIES,  
CALL 1-800-334-7577 (24 HOURS/DAY).  
For Product Information, Call Toll-Free: 1-800-331-2867

NET CONTENTS: 1 Pint, 1 Gallon and 2.5 Gallon

FIRST AID	
If swallowed	<ul style="list-style-type: none"><li>Call a poison control center or doctor immediately for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### **CAUTION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

#### **Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

#### **Applicators and other handlers must wear:**

Long-sleeved shirt and long pants; shoes plus socks.

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

#### **User Safety Recommendations**

##### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

## STORAGE AND DISPOSAL

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

Do not store over 100° F or below 10°F.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Empty containers should be triple rinsed into the spray tank during the spray operation, then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## GENERAL INFORMATION

Acclaim® Extra Herbicide is a water emulsion formulation containing 0.57 pound of active ingredient per gallon. Acclaim Extra is used for postemergence control of annual grass weeds and suppression of some perennial grass weeds in established turfgrass and ornamental species. Acclaim Extra does not control broadleaf weeds or sedges.

Acclaim Extra is absorbed through the foliage. Thorough coverage is important. Visual injury on the grass weed is evident approximately 4 to 10 days after application (dependent upon environmental conditions) but control of the grass weeds will take 12 to 21 days. Visible effects begin as a general chlorosis (yellowing) and/or reddening of the leaf surface followed by death of the weed.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply until you have read the entire label.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; Chemical resistant gloves, such as butyl rubber > 11 mils; or natural rubber > 14 mils; or neoprene rubber > 14 mils; or nitrile rubber > 14 mils; shoes plus socks.

#### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The uses on commercial and residential turf, ornamentals and rights-of-way are not within the scope of the WPS. keep unprotected persons out of treated areas until sprays have dried.

#### DIRECTIONS FOR USE IN TURFGRASS SPECIES

Acclaim Extra Herbicide can be applied as a broadcast application to all cultivars of the following turfgrass species:

Common Name	Scientific Name
Kentucky bluegrass	<i>Poa pratensis</i>
Perennial ryegrass	<i>Lolium perenne</i>
Fine fescue	<i>Festuca rubra</i>
Tall fescue	<i>Festuca arundinacea</i>
Annual bluegrass	<i>Poa annua</i>
Zoysia grass	<i>Zoysia spp.</i>
Creeping Bentgrass*	<i>Agrostis palustris</i>

\*Follow special Directions For Use On Bentgrass Turf.

#### WEED SPECIES CONTROLLED

Acclaim Extra Herbicide will control the following annual grass weeds:

Common Name	Scientific Name
Smooth crabgrass	<i>Digitaria ischaemum</i>
Large crabgrass	<i>Digitaria sanguinalis</i>
Goosegrass, silver crabgrass	<i>Eleusine indica</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Foxtail species	<i>Setaria spp.</i>
Panicum species	<i>Panicum spp.</i>
Johnsongrass (seedling)	<i>Sorghum halepense</i>
Sandbur	<i>Cenchrus incertus</i>
Sprangletop	<i>Leptochloa spp.</i>
Japanese Stiltgrass	<i>Micostegium vimineum</i>

#### WEED SPECIES SUPPRESSED

Acclaim Extra Herbicide will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common bermudagrass	<i>Cynodon dactylon</i>
Johnsongrass (rhizome)	<i>Sorghum halepense</i>

Acclaim Extra Herbicide will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply Acclaim Extra Herbicide at 20 fluid ounces per acre (0.46 fluid ounce/1000 sq. ft.) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of Acclaim Extra every 28 to 35 days to continue growth suppression of these species. Do not apply more than a total of 120 fluid ounces per acre (2.75 fluid ounces/1000 sq.ft.) per growing season.

#### APPLICATION INFORMATION

Acclaim Extra Herbicide is a systemic herbicide which controls only grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Use 40-80 gallons per acre for thorough coverage. Refer to

the following application rate and timing recommendation chart for application rates and timing of application. Avoid applications to turfgrass under stress due to lack of moisture, chemical injury or temperature extremes.

**ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING RECOMMENDATION CHART**

Annual Grass Weed	Fluid Oz/Acre	Fluid Oz/Growth Stage 1,000 sq.ft.
1-leaf to 2-leaf*	3.5	0.08
Untillered **	9	0.21
Untillered	13	0.30
1-tiller to 2-tiller	20	0.46
3-tiller to 4 tiller	28***	0.64
4-tiller to 5-tiller	39***	0.90

\*Apply this rate for use in multiple applications on Bentgrass turf.

\*\*Apply this rate only when tank mixing with pre-emergence herbicides.

\*\*\*Do not apply more than 28 oz. to Kentucky bluegrass or Zoysiagrass per application. do not apply more than 39 oz. to tall fescue, fine fescue or annual and perennial ryegrass.

**Pressurized Hydraulic Sprayer Application**

Apply Acclaim Extra Herbicide by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gallons of water per acre (0.9 to 1.4 gallons of finished spray per 1,000 sq.ft.). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

**High Volume Handgun Spray Application**

If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fluid ounces per 100 gallons is recommended. Thorough coverage is essential for optimum results.

**Hand-Held Sprayer Application for Spot Treatments**

For hand-held pump-type sprayers, add 0.30 to 0.46 fluid ounce of Acclaim Extra Herbicide per gallon of water. Apply 0.30 fluid ounce per gallon of water when the grass weed is in the 1- to 4-leaf stage of growth. Apply 0.46 fluid ounce per gallon of water when the grass weed has 1 to 2 tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

**MIXING DIRECTIONS**

Acclaim Extra Herbicide must be thoroughly mixed to ensure adequate weed control. Follow the directions below when preparing spray mixtures.

**Broadcast Spray Equipment**

Fill the tank with approximately half of the required water and, with the pump or agitator operating, add the required amount of herbicide and continue filling the tank with the remainder of the water. Add surfactant if needed and mix thoroughly before the application is made.

**Back-pack or Hand-held Spray Equipment**

Fill the tank with approximately half of the required water then add the required amount of herbicide to the tank. Replace the cap and agitate by shaking and/or inverting the sprayer. Add the remaining water required and surfactant if needed, then repeat agitation to ensure that the herbicide solution is thoroughly mixed.

**MOWING INFORMATION**

Do not mow treated areas for at least 24 hours to allow time for penetration and translocation into the grass weeds. The effectiveness of Acclaim Extra Herbicide is reduced when grass clippings interfere with thorough spray coverage of the target weeds.

**REPEAT APPLICATION INFORMATION**

Repeat applications of Acclaim Extra Herbicide may be required under the following conditions (refer to the Application Rate and Timing Recommendation Chart for dosages):

(a) Continued grass weed seed germination after the initial application

(b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds

(c) For suppression of common Bermudagrass and rhizome Johnsongrass

Do not apply more than a total of 120 fluid ounces per acre (2.76 fluid ounces/1000 sq.ft.) per growing season. Avoid applying repeat applications of Acclaim Extra Herbicide sooner than 14 days after the previous application. Repeat Acclaim Extra applications should be made only to grass weeds with vigorous growth. If turfgrass stunting occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

**DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES**

Acclaim Extra is compatible in tank mixes with many other commonly used herbicides, insecticides, fungicides, and fertilizers. Always follow the use directions in accordance with the respective labels. Compatibility of Acclaim Extra and other products should be determined in a jar test as follows:

1. Using a clear glass jar three-quarters full with water.
2. Add the appropriate amount of herbicide in the following order; (a) dry flowable, (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, and heavy oily film on the jar or other signs of incompatibility.
4. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with Acclaim Extra Herbicide.

**A. Pre-emergence Residual herbicides**

A tank mix application of Acclaim Extra Herbicide and residual herbicides may be made to provide residual annual grass control. Apply Acclaim Extra at rates of 9.0 to 28 fluid ounces/acre or 0.21 to 0.64 fluid ounce/1000 sq.ft. according to the application rate and timing recommendation chart when tank mixing with the following products: Barricade®, bensulide 4E, Dacthal®, Dimension®, pendimethalin, Tupersan® and Ronstar® WP.

**B. Postemergence Broadleaf Herbicides**

A tank mix application of Acclaim Extra Herbicide and broadleaf herbicides may be made to provide broadleaf weed and annual grass weed control. Apply after grass weed germination.

Apply Acclaim Extra at rates of 9.0 to 39 fluid ounces/acre or 0.21 to 0.90 fluid ounce/1000 sq.ft. according to the application rate and timing recommendation chart when tank mixing with the following products: dicamba, Confront®, Turflon®, Amine, and Turflon® Ester.

Apply the 9 ounce rate only when tank mixing with pre-emergence products.

Always apply the following tank mixes of Acclaim Extra with pendimethalin at 2.5 pounds/acre or 0.9 fluid ounce/1000 sq. ft. Apply before grass weeds tiller at a rate of 28 fluid ounces/acre or 0.64 fluid ounce/1000 sq. ft.

**Acclaim Extra tank mixes for control of bermudagrass in Zoysiagrass and Tall fescue:**

Tank mixes of Acclaim Extra and triclopyr ester may be used to control bermudagrass in Zoysiagrass and tall fescue when used in a treatment program. A tank mixture of Acclaim Extra at 20-28 oz acre and 16-32 oz of triclopyr beginning two weeks prior to the time when Bermudagrass normally becomes evident in Zoysiagrass and Tall fescue. For the best results, repeat applications every 4-6 weeks for up to 5 applications a season depending on your local conditions. Use the lower rates for uniform populations of bermudagrass intermixed with the desired turf and higher rates where large bermudagrass patches are dominant in the turf stand. Do not apply Acclaim Extra at more than a total of 120 fluid ounces per acre (2.75 fluid ounces/1000 sq. ft.) per growing season.

**NOTES FOR WEED CONTROL IN TURFGRASSES**

1. Stunting and/or chlorosis may occur on succulent, rapidly growing Kentucky Bluegrass. Symptoms are temporary and will subside.
2. Adequate soil moisture will enhance the performance of Acclaim Extra Herbicide. Avoid application of Acclaim Extra under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions.
3. Rainfall or irrigation before spray deposit has dried may cause a reduction in grass control. Allow spray deposit to dry at least one hour before irrigation.
4. Acclaim Extra Herbicide may be applied at no more than 9.0 fluid ounces/acre on Kentucky bluegrass seedlings that have tillered and have been emerged for at least one month. Temporary discoloration and stunting of bluegrass seedlings may occur at this timing. Seedlings will recover, however; and the final bluegrass stand will be improved due to reduced competition from the annual grass weeds. Annual grass weeds must be untilled at the time of application for adequate control. Do not reapply Acclaim Extra to previously treated seedling Kentucky bluegrass for at least two months. When utilizing Acclaim Extra at rates higher than 9.0 fluid ounces/acre, Kentucky bluegrass seedlings must be at least three growing months old. DO NOT apply Acclaim Extra to seedling fine leaf fescue, tall fescue, or perennial ryegrass less than 4 weeks old.
5. Broadleaf herbicides such as 2,4-D or MCPP may reduce the effectiveness of Acclaim Extra Herbicide. Do not apply Acclaim Extra within 21 days following a 2,4-D or MCPP application, or 5 days before a 2,4-D or MCPP application.
6. Acclaim Extra Herbicide is a selective grass weed herbicide and has little or no activity on broadleaf plants and sedges.
7. Acclaim Extra Herbicide may be applied to newly plugged zoysiagrass. Fescues and ryegrass may be overseeded immediately following Acclaim Extra applications. All other turf species should be overseeded after a 21-day waiting period.
8. DO NOT APPLY this product through any type of irrigation system.
9. DO NOT APPLY Acclaim Extra Herbicide to sod within 4 weeks before cutting for transplanting or within 4 weeks after transplanting.
10. Annual grass weeds that have multiple tillers may require repeat applications.

**DIRECTIONS FOR USE ON BENTGRASS TURF**

Acclaim Extra Herbicide may be applied only to the following established bentgrass varieties maintained at a minimum cutting height of at least 1/4": Penncross, Penneagle, Pennlinks, J.H. Bent, Southshore, SR 1020, Providence, Putter, Kingstown, Tracenta, Bardot, Egmont, Allure, Seaside, and Colonial. The turf should be established for at least one growing season before Acclaim Extra Herbicide is applied. DO NOT APPLY TO BENTGRASS PUTTING GREENS.

To control crabgrass and goosegrass in bentgrass turf, apply 0.08 fluid ounce/1000 sq. ft. (3.5 fluid ounces/acre). The Acclaim Extra Herbicide applications should be made at 14 to 21-day intervals beginning when annual grass weeds first emerge and are not larger than 2-leaf. Repeat applications throughout the summer as new infestations of 1 to 2 leaf annual grass weeds occur. DO NOT apply more than 10 applications per growing season. Delay repeat applications to bentgrass turf under stress conditions. Injury may occur when applied during or immediately following periods of prolonged cool and/or moist conditions. Tank mixing with micronutrient mixes containing nitrogen and iron or slow release nitrogen products may alleviate injury symptoms to bentgrass turf. Spray volumes of 100 gallons per acre (2.30 gallons/1000 sq. ft.) are suggested for improved bentgrass turf tolerance. DO NOT tank mix Acclaim Extra with other pesticides or fertilizers on bentgrass turf except those fungicides listed on this label. The use of a colorant or dye in the spray tank is recommended so that spray pattern overlapping can be avoided.

#### DIRECTIONS FOR USE IN ORNAMENTALS

Acclaim Extra Herbicide can be applied for control of grass weeds in a wide range of established ornamental species. Plant tolerance may vary according to environmental conditions. Determine tolerance prior to extensive use.

Acclaim Extra may be applied as a broadcast spray in the following plantings:

#### DECIDUOUS AND EVERGREEN TREES AND SHRUBS

Common Name	Scientific Name
Azalea	<i>Rhododendron</i>
Barberry	<i>Berberis</i>
Boxwood, Korean	<i>Buxus</i>
Cotoneaster	<i>Coloneaster</i>
Dogwood, flowering	<i>Cornus</i>
English Ivy	<i>Hedera</i>
Euonymus	<i>Euonymus</i>
False Cypress	<i>Chamaecyparis</i>
Firethorn	<i>Pyracantha</i>
Forsythia	<i>Forsythia</i>
Hawthorn	<i>Crataegus</i>
Holly, American	<i>Ilex</i>
Holly, Japanese	<i>Ilex</i>
Holly, meservae	<i>Ilex</i>
Hydrangea	<i>Hydrangea</i>
Juniper, Blue Rug	<i>Juniperus</i>
Juniper, Dwarf Shore	<i>Juniperus</i>
Juniper, Parsonii	<i>Juniperus</i>
Juniper, San Jose	<i>Juniperus</i>
Juniper, Wiltoni	<i>Juniperus</i>
Magnolia	<i>Magnolia</i>
Maple, Japanese	<i>Acer</i>
Maple, Red	<i>Acer</i>
Nandina	<i>Nandina</i>
Oleander	<i>Nerium</i>
Periwinkle	<i>Vinca</i>
Photinia	<i>Photinia</i>
Pine, White	<i>Pinus</i>
Privet	<i>Ligustrum</i>
Rhododendron	<i>Rhododendron</i>
Rose	<i>Rosa</i>
Viburnum	<i>Viburnum</i>
Weigela	<i>Weigela</i>
Willow	<i>Salix</i>
Yew	<i>Taxus</i>

## HERBACEOUS & FLOWERING PLANTS

Common Name	Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name
African Daisy	<i>Osteospermum</i>	Dames Rocket	<i>Hesperis</i>	Prairie Coneflower	<i>Ratibida</i>
Ajuga	<i>Ajuga</i>	Dwarf Columbine	<i>Aquilegia</i>	Red Yarrow	<i>Achillea</i>
Astilbe	<i>Astilbe</i>	Dwarf Cornflower	<i>Centaurea</i>	Rocket Larkspur	<i>Delphinium</i>
Baby Blue Eyes	<i>Nemophila</i>	English Wallflower	<i>Erysimum</i>	Rocky Mt. Penstemon	<i>Penstemon</i>
Baby's Breath	<i>Gypsophila</i>	Forget-Me-Not	<i>Myosotis</i>	Roman Chamomile	<i>Matricaria</i>
Begonia	<i>Begonia</i>	Forget-Me-Not	<i>Anchusa</i>	Scarlet Flax	<i>Linum</i>
Bellflower	<i>Campanula</i>	Gaillardia	<i>Gaillardia</i>	Siberian Wallflower	<i>Erysimum</i>
Black-Eyed Susan	<i>Rudbeckia</i>	Garland Chrysanthemum	<i>Chrysanthemum</i>	Small Burnet	<i>Sanguisorba</i>
Bleeding Heart	<i>Dicentra</i>	Gazania	<i>Gazania</i>	Snapdragon	<i>Antirrhinum</i>
Blue Bells	<i>Mertensia</i>	Geranium	<i>Pelargonium</i>	Snow-in-Summer	<i>Cerastium</i>
Blue Flax	<i>Lobelia</i>	Gilia	<i>Gilia</i>	Soapwort	<i>Saponaria</i>
California Poppy	<i>Eschscholzia</i>	Hosta	<i>Hosta</i>	Spurred Snapdragon	<i>Antirrhinum</i>
Candytuft	<i>Iberis</i>	Iris	<i>Iris</i>	Starflower	<i>Trientalis</i>
Catchfly	<i>Silene</i>	Leopards-Bane	<i>Doronicum</i>	Statice, Annual	<i>Statice</i>
Chrysanthemum	<i>Chrysanthemum</i>	Liatris	<i>Liatris</i>	Sweet Alyssum	<i>Lobularia</i>
Coleus	<i>Coleus</i>	Lily, day	<i>Hemerocallis</i>	Sweet William	<i>Dianthus</i>
Columbine	<i>Aquilegia</i>	Liriope	<i>Liriope</i>	Tall Primrose	<i>Oenothera</i>
Coneflower, Purple	<i>Echinacea</i>	Maiden Pinks	<i>Dianthus</i>	Tall Godetia	<i>Godetia</i>
Coreopsis	<i>Coreopsis</i>	Missouri Primrose	<i>Oenothera</i>	Tidy Tips	<i>Layia</i>
Corn Poppy	<i>Papaver</i>	Mountain Phlox	<i>Phlox</i>	White Yarrow	<i>Achillea</i>
Cosmos	<i>Cosmos</i>	Peony	<i>Peony</i>	Wild Thyme	<i>Thymus</i>
Creeping Zinnia	<i>Sanvitalia</i>	Periwinkle, annual	<i>Vinca</i>	Zinnia	<i>Zinnia</i>
Daisy, Shasta	<i>Chrysanthemum</i>	Pimpernel	<i>Anagallis</i>		

Applications of Acclaim Extra Herbicide in the culture of the following ornamental plants will result in phytotoxicity:

Common Name	Scientific Name
Juniper, Barharbor	<i>Juniperus</i>
Philodendron	<i>Philodendron</i>
Salvia	<i>Salvia</i>
Podocarpus	<i>Podocarpus</i>
Pittosporum	<i>Pittosporum</i>

### WEED SPECIES CONTROLLED

Acclaim Extra Herbicide will control the following annual grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	<i>Digitaria ischaemum</i>
Hairy Crabgrass	<i>Digitaria sanguinalis</i>
Goosegrass, Silver Crabgrass	<i>Eleusine indica</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Foxtail Species	<i>Setaria</i> spp.
Panicum Species	<i>Panicum</i> spp.
Johnsongrass (seedlings)	<i>Sorghum halepense</i>
Sandbur	<i>Cenchrus incertus</i>
Sprangletop	<i>Leptochloa</i> spp.

### WEED SPECIES SUPPRESSED

Acclaim Extra Herbicide will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common Bermudagrass	<i>Cynodon dactylon</i>
Johnsongrass (rhizome)	<i>Sorghum halepense</i>

Acclaim Extra Herbicide will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply Acclaim Extra at 20 fluid ounces/acre (0.46 fluid ounce/1000 sq. ft.) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of Acclaim Extra every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species.

#### APPLICATION INFORMATION

Acclaim Extra Herbicide only controls grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Refer to the following application rate and timing recommendation chart for dosages. Avoid applications to ornamentals under stress due to lack of moisture, chemical injury or temperature extremes.

ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING RECOMMENDATION CHART		
Annual Grass Weed Acre	Fluid Oz/ 1,000 sq.ft.	Fluid Oz/Growth Stage
Untilled	13	0.30
1 tiller to 2 tiller	20	0.46
3 tiller to 4 tiller	28	0.64
4 tiller to 5 tiller	39	0.90

#### Pressurized Hydraulic Sprayer Application

Apply Acclaim Extra Herbicide by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gallons of water per acre (0.7 to 1.4 gallons of finished spray per 1,000 sq.ft.). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

#### High Volume Handgun Spray Application

If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fluid ounces per 100 gallons is recommended. Thorough coverage is essential for optimum results.

#### Hand-Held Sprayer Application for Spot Treatments

For hand-held pump-type sprayers, add 0.30 to 0.46 fluid ounce of Acclaim Extra Herbicide per gallon of water. Apply the lower rate when grass weeds have less than two tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

#### REPEAT APPLICATION INFORMATION

Repeat applications of Acclaim Extra Herbicide may be required under the following conditions (refer to the Application Rate and Timing Recommendation Chart for dosages):

- (a) Continued grass weed seed germination after the initial application.
- (b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds.
- (c) For suppression of common Bermudagrass, repeat applications of Acclaim Extra Herbicide may be necessary to retard new growth.
- (d) For suppression of rhizome Johnsongrass, apply Acclaim Extra Herbicide when the Johnsongrass is 24 to 60" tall. For best results, do not apply within 3 weeks following a mowing. Mowing immediately after the application may reduce the effectiveness of the Acclaim Extra treatment.

Do not apply more than a total of 120 fluid ounces per acre (2.75 fluid ounces/1000 sq.ft.) per growing season. Apply Acclaim Extra Herbicide at 20 fluid ounces/acre (0.46 fluid ounce/1000 sq. ft.) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of Acclaim Extra every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species. Repeat Acclaim Extra applications should be made only to grass weeds with vigorous growth. If stunting or injury occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

#### NOTES FOR WEED CONTROL IN ORNAMENTALS

1. Stunting and/or chlorosis may occur on succulent, rapidly growing ornamentals. Symptoms are temporary and will subside.
2. Adequate soil moisture will enhance the performance of Acclaim Extra Herbicide. Avoid application of Acclaim Extra Herbicide under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions. Rainfall or irrigation within one hour of application may cause a reduction in grass control. Allow spray deposit to dry before irrigation.
3. DO NOT APPLY this product through any type of irrigation system.

#### DIRECTIONS FOR USE IN RIGHTS-OF-WAY

Acclaim Extra Herbicide can be applied to all cultivars of the following cool season grass species:

Common Name	Scientific Name
Smooth Brome	<i>Bromus inermis</i>
Perennial Ryegrass	<i>Lolium perenne</i>
Fine Fescue	<i>Festuca rubra</i> spp.
Tall Fescue	<i>Festuca arundinacea</i>
Common Bermudagrass	<i>Cynodon dactylon</i>

Wheatgrass	<i>Agropyron</i> spp.
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Acclaim Extra Herbicide can be applied alone postemergence to established wildflower species as a broadcast spray for control of grass weeds in the following:

WILDFLOWER SPECIES	
Common Name	Scientific Name
African Daisy	<i>Dimorphotheca</i>
Annual Indian Blanket	<i>Gaillardia</i>
Baby Blue Eyes	<i>Nemophila</i>
Baby's Breath	<i>Gypsophila</i>
Birds Eyes	<i>Gilia</i>
Black-Eyed Susan	<i>Rudbeckia</i>
Blue Bells	<i>Mertensia</i>
Blue Flax	<i>Linum</i>
California Poppy	<i>Eschscholzia</i>
Catchfly	<i>Silene</i>
Cosmos	<i>Cosmos</i>
Creeping Zinnia	<i>Sanvitalia</i>
Dames Rocket	<i>Hesperis</i>
Dwarf Columbine	<i>Aquilegia</i>
Dwarf Cornflower	<i>Centaurea</i>
Dwarf Lance Leafed Coreopsis	<i>Coreopsis</i>
English Wallflower	<i>Cheiranthus</i>
Forget-Me-Not	<i>Anchusa</i>
Garland Chrysanthemums	<i>Chrysanthemum</i>
Gilia	<i>Gilia</i>
Globe Gilia	<i>Gilia</i>
Johnny Jump Up	<i>Viola</i>
Lemon Mint	<i>Monarda</i>
Maiden Pinks	<i>Dianthus</i>
Missouri Primrose	<i>Oenothera</i>
Mountain Phlox	<i>Phlox</i>
Pimpernel	<i>Anagallis</i>
Prairie Coneflower	<i>Ratibida</i>
Purple Coneflower	<i>Echinacea</i>
Red Yarrow	<i>Achillea</i>
Rocket Larkspur	<i>Delphinium</i>
Rocky Mountain Penstemon	<i>Penstemon</i>
Roman Chamomile	<i>Matricaria</i>
Scarlet Flax	<i>Linum</i>
Siberian Wallflower	<i>Erysimum</i>
Small Burnet	<i>Sanguisorba</i>
Soapwort	<i>Saponaria</i>
Spurred Snapdragon	<i>Linaria</i>
Starflower	<i>Trientalis</i>
Sweet Alyssum	<i>Lobularia</i>
Sweet Williams	<i>Dianthus</i>
Tall Evening Primrose	<i>Oenothera</i>
Tall Godetia	<i>Godetia</i>
Tall Plains Coreopsis	<i>Coreopsis</i>
Tidy Tips	<i>Layia</i>
White Yarrow	<i>Achillea</i>
Wild Thyme	<i>Thymus</i>

#### ESTABLISHED DESIRABLE NATIVE GRASSES

Common Name	Scientific Name
Big Bluestem	<i>Andropogon</i>
Blue Grama	<i>Bouteloua</i>
Little Bluestem	<i>Andropogon</i>
Sideoats Grama	<i>Bouteloua</i>

Acclaim Extra Herbicide will control the following grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	<i>Digitaria Ischaemum</i>
Hairy Crabgrass	<i>Digitaria sanguinalis</i>
Goosegrass/Silver Crabgrass	<i>Eleusine Indica</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Foxtail Species	<i>Setaria spp.</i>
Panicum Species	<i>Panicum spp.</i>
Johnsongrass	<i>Sorghum halepense</i>
Wild Oats	<i>Avena fatua</i>
Roughstalk Bluegrass	<i>Poa trivialis</i>
Sandbur	<i>Cenchrus incertus</i>
Shattercane	<i>Sorghum bicolor</i>
Japanese Stiltgrass	<i>Miscanthus sinensis</i>
	<i>Vimineum</i>

#### APPLICATION INFORMATION

Acclaim Extra Herbicide controls only grasses that have emerged at the time of spraying. Young, actively growing grassy weeds are more easily controlled than the larger grass weeds. Refer to the following application rate and timing recommendation chart for dosages. Avoid applications to grass under drought stress.

#### ACCLAIM EXTRA HERBICIDE USE RATES PER ACRE

Grass Weed Growth Stage	Fluid Oz Per Acre	Pints Per Acre
<b>ANNUAL GRASSES</b>		
.1 Tiller	16	1.00
.2 Tillers	20	1.25
.4 Tillers	28	1.75
.5 Tillers	39	2.44
Grass Weed Growth Stage	Fluid Oz Per 100 Gallons	Pints per 100 Gallons
<b>SEEDLING</b>		
<b>JOHNSONGRASS</b>		
Up to 12"	16	1.00
12"-24"	20	1.25
<b>RHIZOME</b>		
<b>JOHNSONGRASS</b>		
Up to 12"	28	1.75
24"- 60"	39	2.44
<b>Repeat Applications</b>		
Up to 12"	11	0.69
2" to 24"	24	1.50
24" to 60"	39	2.44

#### Spray Application for Rights-of-Way

Apply with ground equipment using 30 to 100 gallons of water per acre and 30 to 60 psi of water to uniformly cover the vegetation in the area to be treated. Use a fixed boom, off-center nozzles or boomless straight stream nozzles properly calibrated to a constant speed of travel and rate of delivery. Allow mowed areas to regrow for at least 14 days before applying Acclaim Extra Herbicide.

#### Spray Application for Spot Treatments

Add 40 fluid ounces of Acclaim Extra Herbicide per 100 gallons of water and spray target weed thoroughly to the point of spray deposit runoff. Optimum results occur when spray pressure is sufficient to provide retention of spray deposit on target weed.

#### DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES

For improved turfgrass tolerance and improved annual grass and Johnsongrass control, a tank mix of Acclaim Extra Herbicide and Fusilade® 2000 Herbicide may be applied on roadside rights-of-way. For best results, Acclaim Extra should be applied at 7 fluid ounces/acre and Fusilade 2000 Herbicide should be applied at 12 to 14 fluid ounces/acre. When utilizing this tank mix, the annual grasses should be 1 leaf to 2 tillers in size; the rhizome Johnsongrass should be 10" to 25" in size. Crop oil concentrate should be added to this tank mix at 1% v/v (1 quart per 25 gallons of spray solution).

#### **REPEAT APPLICATION INFORMATION**

Repeat applications of Acclaim Extra Herbicide may be required under the following conditions (refer to Application Rate And Timing Recommendation Chart for dosages):

- (a) Continued grass weed seed germination after the initial application.
- (b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of the target weeds.

Do not apply more than a total of 120 fluid ounces per acre (2.75 fluid ounces/1000 sq.ft.) per growing season. Avoid applying a second application of Acclaim Extra sooner than 14 days after the first application. A second Acclaim Extra application should only be made to grass weeds with vigorous regrowth.

#### **SURFACTANTS AND CROP OILS**

The addition of a nonionic surfactant or paraffin-based crop oil at a rate of 32 fluid ounces per 100 gallons of spray solution is recommended for spray volumes between 30 and 100 gallons per acre. Thorough spray coverage is extremely important for optimum results.

#### **NOTES FOR WEED CONTROL IN RIGHTS-OF-WAY**

1. Adequate soil moisture will enhance the performance of Acclaim Extra Herbicide. Reduced control may occur with Acclaim Extra applied under DROUGHT STRESS conditions.
2. Rainfall within one hour following application may cause a reduction in grass control.
3. Broadleaf herbicides containing 2,4-D will reduce the effectiveness of Acclaim Extra Herbicide. Tank mixes with Telar<sup>3</sup>, Escorl<sup>3</sup>, or Garlon<sup>4</sup> are recommended. Do not apply Acclaim Extra 5 days before a 2,4-D application or within 21 days following a 2,4-D application. DO NOT TANK MIX with any herbicides when applying Acclaim Extra to wildflower species.
4. Acclaim Extra Herbicide is a selective grass weed herbicide and has little or no activity on broadleaf plants or sedges.
5. Fescues and ryegrass may be overseeded immediately following Acclaim Extra Herbicide applications. All other grass species should be overseeded after a 21-day waiting period.
6. Applications to Bermudagrass may result in temporary injury. Bermudagrass should be well established at the time of application, or severe injury may result.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, disclaimer of Warranties, and Limitations 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 conditions, warranty, disclaimer of warranties and limitations of liability.

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GROUP B/2 HERBICIDE

Nufarm

ProSedge®

## Selective Herbicide<sup>2</sup>

This product is a selective post-emergent herbicide for the control of listed weeds, including both broadleaf weeds and nutsedge, in: turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), and other non-crop sites (including airports, cemeteries, fallow areas to establishment of turf grass, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms, sports fields, landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way).

**ACTIVE INGREDIENT:**

Halosulfuron-methyl..... 75%

**OTHER INGREDIENTS:** ..... 25%

**TOTAL:** ..... 100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

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.)

For Chemical Spill, Leak, Fire,  
or Exposure, Call CHEMTREC  
(800) 424-9300

For Medical Emergencies Only,  
Call (877) 325-1840

EPA Reg. No. 228-711

Manufactured for  
Nufarm Americas Inc.  
11901 S. Austin Avenue  
Alsip, IL 60803



**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li><li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call poison control center or physician for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>Call poison control center or physician immediately for treatment advice.</li><li>Remove visible particles from mouth.</li><li>Have person rinse mouth thoroughly with water, spit out rinse water.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
Have the product container or label with you when calling a poison control center or physician, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants, and
- 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.

**ENGINEERING CONTROLS STATEMENTS:**

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

**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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Halosulfuron-methyl is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product must be used in accordance with the Directions for Use on this label.

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.

Read the entire label before using this product.

Use only in accordance with label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

## 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, forest, 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 the label about personal protective equipment (PPE), restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during this restricted entry interval (REI) of 12 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
- Shoes plus socks
- Chemical-resistant gloves, such as nitrile rubber, neoprene rubber or polyethylene. For more options, follow instructions for category A (dry and water-based formulations) on an EPA chemical resistant category selection chart.

## 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.

Keep people and pets off treated areas until spray solution has dried.

### Product Information

This product is a sulfonylurea herbicide that works by inhibition of acetolactate synthase (ALS). Many factors such as application rate, weed species, weed pressure, conditions of weeds including size and climatic factors impact the degree of weed control. Applications made to actively growing weeds at the early stages of development as described below will optimize performance. In post-emergent weed applications, early treatment is best to control the weeds vying (competing) with the crop.

This product is quick to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds. Once the development of the targeted weeds is stunted, the leaves and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions. Depending on the stage and development of the targeted weeds, control generally takes place in 7 to 14 days.

### Resistant Management Guidance

This product is a Group B/2 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group B/2 herbicides. Weed species with acquired resistance to Group B/2 may eventually dominate the weed population if Group B/2 herbicides are used repeatedly in the same field or in successive years as primary method of control for target species. This may result in partial or total loss of control of those species by this product or other Group B/2 herbicides.

To delay resistance consider:

- Avoiding the consecutive use of this product or other target site action Group B/2 herbicides that have a similar target site of action, on the same weed species.
- Using tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basling herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisor, and/or manufacturer and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

### Mixing Instructions

This product is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use direction. Fill the spray tank with approximately 1/2 of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum of 10 minutes. Apply spray solutions within 24 hours after mixing.

**INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.33 OUNCE BOTTLE:** Mix 0.03 ounce (0.9 gram) of this product (using the measuring scoop provided) in 1 to 2 gallons of water to treat 1,000 square feet. Add 2 teaspoons (1/3 fl. oz.) of nonionic surfactant per gallon of water. Measure this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

#### Spray Additives

Spray additives such as nonionic surfactant (NIS) are used with this product to improve performance. The typical nonionic surfactant contains a minimum of 80% NIS and is accepted by the EPA for use on food crops. The use rate is 0.25 to 0.50% NIS concentrate (1 to 2 qts. per 100 gallons of spray mixture). Always use NIS in the spray mixture.

For specific details, consult the use direction in crop section

#### Application Methods

Apply this product by ground to produce uniform coverage on growing weeds or soil to achieve consistent weed control. Loss in effectiveness or crop injury may result if weeds are under drought, stress, disease or insect damage.

Uniform, thorough spray coverage is important to achieve consistent weed control. Calibrate application equipment according to manufacturer's specifications. Use nozzle type arrangements that provide optimum spray distribution and maximum coverage while avoid contact to sensitive crop foliage.

Do not apply this product through any type of irrigation system.

If rainfall or irrigation occurs within 4 hours after application, reduce effectiveness may occur.

Avoid disturbing (e.g. cultivation) treated areas for at least 7 days following application.

Thoroughly clean application equipment immediately after use. See Spray Equipment Cleanout section of this label for complete details.

#### Ground Applications

When this product is applied by ground equipment, use in a minimum of 10 gallons of water per acre for a broadcast application. In dense weed populations and thick canopy cover, higher spray volumes are necessary, e.g. 15 to 20 gallons of water per acre. Use the proper spray volume and nozzles that will ensure thorough and uniform coverage of the targeted weeds. Use directed applications to avoid contacting sensitive crop foliage. Select nozzles that will provide optimum spray volume, distribution and coverage at a pressure (psi) that minimizes spray drift. Inspect nozzle distribution during application to avoid streaking and overspray.

#### Spray Drift Management

Do not allow this product to drift onto neighboring crops or non-crop area or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment -- and weather -- related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Where states have more stringent regulations, they must be observed.

#### Sensitive areas:

Use pesticides product adjacent to sensitive areas only when there is minimal potential for drift or off target movement, e.g. wind is blowing away from non-target crops, residential areas, known habits for threatened or endangered species, etc.

In California (only), particularly sensitive crops are identified as cotton and prunes. In applications near these sensitive crops utilize the following buffer zones:

- Ground application shall not be made closer than 1 mile from sensitive crops unless wind direction during the application is away from sensitive crops. When wind direction during the ground application is away from sensitive crops, ground application shall not be made closer than 0.5 miles from sensitive crops.

#### Spray Equipment Cleanout

The mix tank and spray equipment cleanout is an important stewardship activity to avoid injury to desirable crops. It is important to clean all mixing and spraying equipment immediately after use and before using pesticide products including this product.

To clean the spraying equipment, follow the general procedure outlined below:

- Completely drain the mix tank and/or sprayer, and then wash thoroughly the tank, sprayer, boom and nozzles with clean water. Drain the system again.
- Fill the mixing or spray tank half full with clean water and add domestic ammonium, normally a 3% solution, at a dilution rate of 1% vol/vol ammonium or 1 gallon per 100 gallons of rinsate.
- Completely fill the tank(s) with additional clean water. Agitate and recirculate and flush out the boom and hoses. Let the system run for 10 to 15 minutes. Drain the system completely.
- Remove nozzles and screens and dislodge any visible solid material. Then soak them in a 1% vol/vol ammonium solution. Inspect the nozzles and screen and remove any visual residues.
- Repeat the above procedure for a second time.

- Flush the mix tank and/or sprayer, boom and hoses with clean water. Drain the system again and inspect for any visible residues. If present, repeat the cleaning cycle again.
- If the rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### Tank Mixtures

To improve effectiveness of this product, apply in combination with other pesticide products that are registered for the same use site and application techniques.

A list of potential herbicide tank mixture partners is provided in the use direction section under each use site. This list is an example of products used but is not an all inclusive list. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

Refer to the partner product label for important information in regards to the use instructions, spray additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions including pre-harvest intervals and crop rotation information. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.

The user assumes the responsibility for following all label use directions.

If this product is to be tank mixed with other herbicides, a compatibility test should be tested prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1.0 quart of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The general guideline on tank mixture partners is driven by formulation type. Start with wettable powders (WP's) including water soluble bags (WSB's), water dispersible granules (WDG's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there should be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

#### Application Restrictions and Precautions

- Do not use air assisted (air blast) sprayers to apply this product.
- Do not apply this product through any type of irrigation system.
- Do not apply more than 5-1/3 ounces by weight of this product (0.25 lb. active ingredient) per acre per use season on turf.
- Increase in turf injury may result if the seeding depth is too shallow and excessive amounts of water (greater than 1 inch) from rainfall or sprinkler irrigation occurs.
- Avoid spraying when conditions favor rainfall or using overhead sprinkler irrigation within 4 hours of this application.
- Under cool and wet growing conditions that delay early seedling emergence, vigor or growth, this product may cause injury. These conditions are likely to occur during the first planting of the season.
- The maturity of the turf may be delayed by use of this product.
- Do not use this product if the target weeds or turf are under stress due to drought, water saturated soils, low fertility (especially low nitrogen levels) or other poor growing conditions.
- Do not allow this product to drift outside of targeted area.
- Use nozzles and pressures that minimize the production of fine particles that drift outside of the targeted area.
- After use of this product, thoroughly clean application equipment immediately prior to another spraying.
- Applications of this product may cause temporary yellowing or stunting of the turf.
- In California and Arizona due to environmental conditions that delay degradation of this product, extend the crop rotation intervals on drip irrigated crops.
- When this product is applied over the top of a blooming turf, bloom loss may occur under certain environmental conditions.
- Do not apply tank mixtures if the turf is under severe stress due to drought, water-saturated soils, poor fertility (especially low nitrogen levels), hail, frost, insects or when the maximum daytime temperature is above 92° F. Under these conditions, tank mixture applications may cause temporary turf injury.
- For this product in water dispersible granule - Use scoop provided to measure dose of this product as directed on this label.

#### For Best Performance

Many factors such as application rate, weed species, weed pressure, conditions of weeds including size and climatic conditions impact the degree of weed control. Applications made to actively growing weeds at the early stages of development as described below will optimize performance. In post-emergent weed applications, early treatment is best to control the weeds vying (competing) with the crop. For residual control from early post-emergent treatments a second applications may be needed to control later germination of weeds.

This product is quick to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds. Once the development of the targeted weeds is stunted, the leaves and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions. Depending on the stage and development of the targeted weeds, control generally takes place in 7 to 14 days.

- When using spray additives, carefully follow the listed use instructions.
- In post-emergence applications:
  - Better control is obtained when applied early to actively growing, small (1 to 3 inches in height) broadleaf weeds. Large broadleaf weeds may not be adequately controlled.
  - Nutsedge plants are best controlled at the actively growing, 3- to 5-leaf stage.
  - After a postemergence application, delay overhead sprinkler irrigation for 2 to 3 days.
  - If weeds are under drought, stress disease, or insect damage, DO NOT USE.
- Under heavy weed infestation, use early before the weeds become too competitive with the crop.
- Annual weeds may have multiple flushes of seedlings, or treated perennials may sometimes re-grow from underground stems or roots, depending upon rainfall and other environmental conditions. To maximize control of such weeds, apply a sequential application of this product.

Use Site	Rate Oz. by Wt./Acre	LIMITATIONS
TURFGRASSES (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), AND OTHER NON-CROP SITES (including airports, cemeteries, fallow to establishment of turfgrasses, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms*, sports fields, residential and commercial landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way)	2/3 to 1-1/3	<p>Do not make more than 4 applications per use season.        Do not apply more than 5-1/3 oz. by wt. of this product (0.25 lb. active ingredient) per acre per use season.        Do not apply this product through any type of irrigation system.        Do not apply this product by air.        * Not for use in OR and WA.</p>

For spray applications, cover the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25% to 0.5% nonionic surfactant (1 to 2 qts. per 100 gallons of spray suspension) for broadcast applications. For high volume applications, do not exceed 1 quart of spray additive per acre. For spot applications, add 2 teaspoons (1/3 fl. oz. by wt.) of nonionic surfactant per gallon of water. Use only nonionic surfactants which contain at least 80% active material.

Refer to the spray additive label and observe all precautions, mixing and application instructions.

#### Post-emergent Weed Activity Table by Weed Species

Common Name	Scientific Name	Control	Suppression	Comments
Green Kyllinga	<i>Kyllinga breviflora</i>	YES		For optimum Kyllinga control, two applications are recommended.
Annual Kyllinga	<i>Kyllinga sesquiflora</i>	YES		For optimum Kyllinga control, two applications are recommended.
Nutsedge, Yellow	<i>Cyperus esculentus</i>	YES		Heavy Infestation requires sequential applications.
Nutsedge, Purple	<i>Cyperus rotundus</i>	YES		Heavy Infestation requires sequential applications.

**Turfgrass** - Use this product on well established seeded, sodded or sprigged turfgrass for the post-emergent control of nutsedge, e.g. yellow and purple. The turf needs to develop a good root system and uniform stand before application. If needed, overseed treated areas with annual or perennial ryegrass or bermudagrass 2 weeks after application.

**Broadcast Treatments** - After nutsedge has reached the 3- to 8-leaf stage of growth, apply 2/3 to 1-1/3 ounce, of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate.

**Sequential Treatments** - To maximize the control of nutsedge, a second post-emergent spot or broadcast spray is applied 6 to 10 weeks after the initial treatment to the areas where nutsedge has re-grown or emerged. After nutsedge has reached the 3- to 8-leaf stage of growth, apply 2/3 to 1-1/3 ounce, of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate. Use a spot treatment application for localized control of newly emerged nutsedge. For spot treatments, mix 0.03 ounce (0.9 gram) of this product in 1 to 2 gallons of water to treat 1,000 square feet.

#### Woody Ornamentals in Landscaped Areas

Use this product as a post-directed spray at the specified use rates around established woody ornamental plants in residential and commercial landscaped areas. If applications are to be made to transplanted woody ornamentals, allow 3 months after transplanting before applying this product.

#### Fallow Treatments

This product may be used on fallow areas prior to establishing turfgrass or woody ornamental plants. Wait 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals.

#### Restrictions and Precautions:

Do not mow turfgrass for 2 days before or 2 days after application for best results.

This product is effective if no rainfall occurs within 3 hours, but best results are obtained with no rainfall or irrigation for at least 4 hours.

Do not apply this product to golf course putting greens.

When transplanted into landscaped areas treated with this product, flowers, ornamentals plants and shrubs may be injured.

Avoid contact of the spray containing this product to desirable flowers, ornamentals, shrubs or trees as discoloration, severe foliar injury or death may result.

Avoid application of this product when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may occur.

Do not exceed the specified amount of spray additive due to the potential for turf injury at higher rates.

#### Turfgrass Renovation

For turfgrass renovations, apply at 2/3 ounces by weight per acre in combination with glyphosate herbicide formulations labeled for turfgrass renovation. This is for a non-selective pre-plant burndown of emerged annual grasses, broadleaf weeds and nutsedge.

Wait 4 weeks between application and seeding or sodding of turfgrass.

Refer to the glyphosate formulation label for important information in regards to the use instructions, additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.

The user assumes the responsibility for following all label use directions.

Use Site	Rate Oz. by wt./Acre	LIMITATIONS
ROADSIDES, RIGHTS-OF-WAY, TANK FARMS, LUMBERYARDS, FUEL STORAGE AREAS, FALLOW NON CROP LAND, AND FENCE ROWS	2-2/3	<p>Do not make more than 2 applications per use season.</p> <p>Do not apply more than 5-1/3 oz. by wt. of this product (0.25 lb. active ingredient) per acre per 12-month period.</p> <p>Do not apply this product through any type of irrigation system.</p> <p>Do not apply this product by air.</p>

For spray applications, cover the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25% to 0.5% nonionic surfactant (1 to 2 qts. per 100 gallons of spray solution) for broadcast applications.

#### Post-emergent Weed Activity Table by Weed Species

Common Name	Scientific Name	Control	Suppression	Comments
Cocklebur, common	<i>Xanthium strumarium</i>		YES	
Horsetail*	<i>Equisetum arvense</i>	YES	YES	Control if weeds are less than 6 inches tall. Suppression if weeds are greater than 6 inches tall
Pigweed, redroot	<i>Amaranthus retroflexus</i>		YES	
Pigweed, smooth	<i>Amaranthus hybridus</i>		YES	
Ragweed, common	<i>Ambrosia artemisiifolia</i>		YES	
Ragweed, giant	<i>Ambrosia trifida</i>		YES	
Sunflower	<i>Hellianthus annuus</i>		YES	
Velvetleaf	<i>Abutilon theophrasti</i>		YES	

\*For postemergence control of horsetail (*Equisetum arvense*), apply 2-2/3 ounces by weight of this product per acre or 0.06 ounce by weight (1.8 grams) of this product per 1,000 square feet (0.125 lb. active ingredient per acre) after horsetail has leafed out. Within 14 days after application, signs of herbicide effect will appear as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

For a non-selective burndown of emerged annual grasses, broadleaf weeds and nutsedge, use this product in combination with glyphosate herbicide formulations labeled for these same uses.

Refer to the glyphosate formulation label for important information in regards to the use instructions, additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.

The user assumes the responsibility for following all label use directions.

For planting any plants, trees, or brush not provided for on this label, do a test for residual toxicity by planting material diagonally across treated area before planting the entire area.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry and secure location.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

Plastic Bottle Packaging: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure 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. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once triple rinsed, recycle if available. Some agricultural pesticide containers can be taken to a container collection site or pick up for recycling. To find the nearest site, contact your chemical dealer or manufacturer. If recycling is not available, dispose of in a sanitary landfill or by incineration if allowed by state and local ordinances.

## WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

## LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OR PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

RV121615

Made in China, packaged in USA.

# **SUPER TRIMEC<sup>®</sup>**

## **BROADLEAF HERBICIDE**

- For broadleaf weed control in turf
- Controls Dandelion, Chickweed, Knotweed, Plantain, Henbit, Spurge, and other broadleaf weeds as listed

See inside pages for complete Precautionary Statements and Directions for Use (including First Aid, Agricultural Use Requirements, and Storage and Disposal).

**KEEP FROM FREEZING**

785/2-2019 AP051513

EPA REG. NO. 2217-758

EPA EST. NO. 2217-KS-1(01), 2217-KS-2(02)

Circled digit is first digit of lot number.

**pbi/gordon**  
**corporation**  
Employee-Owned

# **SUPER TRIMEC<sup>®</sup>**

## **BROADLEAF HERBICIDE**

***Controls Dandelion, Chickweed, Knotweed, Plantain,  
Henbit, Spurge, and Other Broadleaf Weeds as Listed***

**ACTIVE INGREDIENTS:**

2,4-D, 2-ethylhexyl ester . . . . .	32.45%
2,4-DP-p, 2-ethylhexyl ester . . . . .	15.90%
Dicamba . . . . .	5.38%
<b>OTHER INGREDIENTS . . . . .</b>	<b>46.27%</b>
	<b>TOTAL 100.00%</b>

**THIS PRODUCT CONTAINS:**

1.89 lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 21.54%  
0.94 lb. (+)-R-2-(2,4-dichlorophenoxy)propionic acid equivalent per gallon or 10.77%  
0.47 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 5.38%

Isomer Specific by AOAC Method

Contains petroleum distillates

## **KEEP OUT OF REACH OF CHILDREN WARNING - AVISO**

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.)



READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Harmful if inhaled. Avoid breathing spray mist.

### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear\*:

- protective eyewear,
- long-sleeved shirt and long pants,
- shoes and socks,
- chemical-resistant gloves and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

\*Applicators may choose not to wear protective eyewear with dilution rates greater (higher) than 5:1 or greater (higher) than 5 parts of water to 1 part of product.

### User Safety Requirements

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. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

#### User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- 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.

### First Aid

If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If on skin or on clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul> <p>(cont. on next page)</p>

<b>First Aid (cont.)</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.	
<b>Note to Physician:</b> May pose an aspiration pneumonia hazard. Contains petroleum distillates.	

#### **Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

#### **Physical Or Chemical Hazard**

Do not use or store near heat or open flame.

## **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 a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 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 worn over short-sleeved shirt and short pants,
- chemical-resistant footwear plus socks,
- chemical-resistant gloves made of any water-proof material,
- chemical-resistant headgear for overhead exposure,
- protective eyewear.

## **Non-Agricultural Use Requirements**

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

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

### **USE PRECAUTIONS:**

Do not apply this product through any type of irrigation system.

### **SPRAY PREPARATION**

Add one-half the required amount of water to the spray tank, then add SUPER TRIMEC® BROADLEAF HERBICIDE slowly with agitation, and complete filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.

## **For Use on Residential and Ornamental Turfgrass Sites and Sod Farms (Cool-Season Grasses Other Than Bentgrass):**

### **USE PRECAUTIONS:**

Do not use on carpetgrass, dichondra, St. Augustinegrass, bentgrass, nor on lawns or turf where desirable clovers are present. Use only lawn type sprayers. Do not exceed specified dosages for any area. Do not apply to newly seeded grasses until well established. Do not spray when air temperatures exceed 85°F. Seed can be sown 3 to 4 weeks after application.

Do not use this product on or near desirable plants, including within the drip line of desirable trees and shrubs, since injury may result.

**INSTRUCTIONS:**

Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. Avoid spraying during long, excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours after application.

Apply 2.0 to 3.0 pints of product in 20 to 260 gallons of water per acre (0.75 to 1.1 fluid ounces of product in 0.5 to 6.0 gallons of water per 1,000 square feet). Use higher rates when using the higher volume of water per acre.

**Limitations on broadcast treatments for ornamental turfgrass and sod farms:**

The maximum application rate is 3.0 pints of product per acre per application. For ornamental turfgrass, the maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. For sod farms, the maximum number of broadcast applications is limited to 2 per year with a minimum of 21 days between applications. The maximum seasonal rate is 6.0 pints of product per acre.

**Controlled Droplet Applicator (CDA)** – Add 1.5 pints to the Herbi container and fill with water. Spray contents over 33,000 square feet. Avoid overlapping between spray patterns.

**Spot treatments** – Not recommended for hose end sprayers. Spray during the growing season when weeds are actively growing. On new lawns wait until the grass has hardened off, usually after it has been mowed at least three times. Poor weed control may result if spray is applied during drought or just before rain. Do not water within 24 hours after treatment.

Spray Preparations For Hand Operated Sprayers		
Amount of Product to Use:	Gallons of Water	Area To Treat, Sq. Ft.
1.5 tablespoons (0.75 fl. oz.)	1 gal.	1,000 sq. ft.
3 tablespoons (1.5 fl. oz.)	2 gal.	2,000 sq. ft.
4.5 tablespoons (2.25 fl. oz.)	3 gal.	3,000 sq. ft.

**Limitations on spot treatments for ornamental turfgrass:**

Spot treatment is defined as a treatment area no greater than 1,000 sq. ft. per acre. The maximum application rate is 0.75 fl. oz. per 1,000 sq. ft. per application. The maximum number of spot treatments is limited to 2 per year with a minimum of 30 days between applications.

<b>BROADLEAF WEEDS</b>			
Aster, white heath & white prairie Bedstraw Beggarweed, creeping Bindweed Black medic Broadleaf plantain Buckhorn plantain Bull thistle Burclover Burdock, common Buttercup, creeping Carpetweed Chickweed, common Chicory Cinquefoil Clover Cocklebur Compassplant Curly dock Dandelion Dayflower Deadnettle Dock Dogfennel	English daisy False dandelion (*spotted catsear & common catsear) Field bindweed (*morningglory & creeping jenny) Field oxeye-daisy (*creeping oxeye) Filaree, whitestem & redstem Florida pusley Ground ivy Groundsel Hawkweed Healall Henbit Jimsonweed Kochia Lambsquarters Lawn burweed Lespedeza, common Mallow, common Matchweed Mouseear chickweed	Mustard Nettle Oxalis (*yellow woodsorrel & creeping woodsorrel) Parsley-piert Pennsylvania smartweed (*smartweed) Pennywort (*dollarweed) Pepperweed Pigweed Pineappleweed Plantain Poison ivy Poison oak Prostrate knotweed (*knotweed) Puncturevine Purslane Ragweed Red sorrel (*sheep sorrel) Shepherdspurse Spotted spurge Spurge	Sunflower Thistle Velvetleaf (*pie marker, Indian mallow) Veronica (*corn speedwell) Virginia buttonweed White clover (*Dutch clover, honeysuckle clover, white trefoil & purplewort) Wild carrot Wild garlic Wild geranium Wild lettuce Wild mustard Wild onion Wild strawberry Wild violet Yarrow Yellow rocket

\*Synonyms

## Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

### Droplet Size

Use only Medium or coarser spray nozzles according to ASAE (S 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

### Wind Speed

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

### **Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

### **Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

### **Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

### **Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. Do not apply with a nozzle height greater than 4 feet above the target site. Aerial applications of this product are prohibited.

## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep from freezing. Store in original container in a locked storage area inaccessible to children and pets.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Nonrefillable containers equal to or less than 5 gallons**

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure 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.

OR

*(cont. on next page)*

## **STORAGE AND DISPOSAL (cont.)**

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et.al. v. EPA*, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

## **LIMITED WARRANTY AND DISCLAIMER**

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

785/2-2019 AP051513

EPA REG. NO. 2217-758

EPA EST. NO. 2217-KS-1 ①, 2217-KS-2 ②

Circled digit is first digit of lot number.

**MANUFACTURED BY**  
**PBI/GORDON CORPORATION**  
**P.O. BOX 860350**  
**SHAWNEE, KANSAS 66286**  
**PBIGordonTurf.com**

PEEL HERE TO OPEN 



READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Harmful if inhaled. Avoid breathing spray mist.

First Aid	
If in eyes:	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If on skin or on clothing:	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed:	<ul style="list-style-type: none"><li>Immediately call a poison control center or doctor.</li><li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>Do not give any liquid to the person.</li><li>Do not give anything by mouth to an unconscious person.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.	
Note to Physician: May pose an aspiration pneumonia hazard. Contains petroleum distillates.	

### Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

785/2-2019 AP051513

EPA REG. NO. 2217-758

EPA EST. NO. 2217-KS-1 ①, 2217-KS-2 ②

Circled digit is first digit of lot number.

MANUFACTURED BY  
PBI/GORDON CORPORATION  
P.O. BOX 860350  
SHAWNEE, KANSAS 66286  
PBJGordonTurf.com

PROPICONAZOLE GROUP 3 FUNGICIDE

# Strider<sup>TM</sup>

## Fungicide

**Broad Spectrum and Systemic Disease Control for Turf and Ornamentals and a Flare  
Root-Injected\* Systemic Fungicide for Control of Selected Diseases in Trees**

\*Flare Root-Injected uses are not registered for use in CA & NY

**ACTIVE INGREDIENT:**

Propiconazole ..... 14.3%

**OTHER INGREDIENTS:** ..... 85.7%

**TOTAL:** ..... 100.0%

Contains 1.3 lb active ingredient per gallon

### KEEP OUT OF REACH OF CHILDREN

### WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

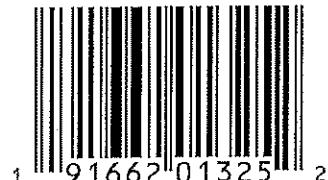
SEE INSIDE LABEL BOOKLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTRAC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-623

Manufactured for  
Nufarm Americas Inc.  
11901 S. Austin Avenue  
Alsip, IL 60803



**Net Contents  
2.5 Gal.  
(9.46 L)**



<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
If ingested, induce emesis or lavage stomach. Treat symptomatically.	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING / AVISO**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton
- Shoes plus socks

Follow the 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Engineering controls**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 160.240(d)(6)].

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

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and shrimp. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

## PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

## 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 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 requirement specific to your state or tribe, consult the agency responsible for pesticide regulation.

Failure to follow the directions for use and precautions on this label may result in plant injury or poor disease control.

### 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 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:

- Protective eyewear
- Coveralls
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter treated areas without protective clothing until sprays have dried.

## PRODUCT INFORMATION

This product is a systemic fungicide for use on turfgrasses for the control of:

Anthracnose (*Colletotrichum graminicola*)  
Brown patch (*Rhizoctonia solani*)  
Dollar spot (*Sclerotinia homoeocarpa*)  
Fusarium patch (*Fusarium nivale*)  
Gray leafspot (*Pyricularia grisea*)  
Gray snow mold (*Typhula spp.*)  
Leafspot (*Bipolaris spp.*, *Drechslera spp.*)  
Necrotic ring spot (*Leptosphaeria korrae*)  
Pink patch (*Limonomyces roseipellis*)  
Pink snow mold (*Microdochium nivale*)  
Powdery mildew (*Erysiphe graminis*)

Red thread (*Laetisaria fuciformis*)  
Rust (*Puccinia graminis*)  
Spring dead spot (*Leptosphaeria korrae*,  
*Leptosphaeria narmari*, *Ophiophaerella herpotricha*, *Gaeumannomyces graminis*)  
Stripe smut (*Ustilago striiformis* and *Urocystis agropyri*)  
Summer patch (*Magnaporthe poae*)  
Take-all patch (*Gaeumannomyces graminis*)  
Yellow patch (*Rhizoctonia cerealis*)  
Zoysia patch (*Rhizoctonia solani*)

This product also controls numerous diseases on ornamentals and other landscape and nursery plantings such as powdery mildews, rusts, leafspots, scabs, and blights. Refer to the appropriate section of this label for specified diseases and plants.

## SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

### Wind Speed

Do not apply at wind speeds greater than 15 mph.

#### Droplet Size

Apply as a medium or coarser spray (ASAE Standard 572)

#### Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

#### Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### *Additional requirements for aerial applications:*

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

#### *Additional requirement for groundboom application:*

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

## **MIXING INSTRUCTIONS**

Fill the spray tank  $\frac{1}{2}$  -  $\frac{3}{4}$  full with water. Add the proper amount of this product, then add the remaining water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If this product is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of this product, other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least  $\frac{1}{2}$  full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. Premixing the product in water before adding to the tank will hasten the process.
5. Add flowables or suspensions next.
6. Add the proper amount of this product.
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

## **TANK MIXES**

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.

This product can be tank mixed with other fungicides for broader spectrum control. This product is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts./100 gals.) to tank mixes which are incompatible. Follow the directions for tank mixes under "Mixing Instructions". Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

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## **TURFGRASS AND DICHONDRA**

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#### **RESTRICTIONS**

- Do not apply more than 1.79 lb a.i./A (equivalent to 1.4 gallons of product/A or 4 fl oz/1,000 sq ft) per application.
- Do not apply more than 7.2 lb a.i./A (equivalent to 5.5 gallons of product/A or 16 fl oz/1,000 sq ft) per calendar year.
- Do not graze animals on treated areas
- Do not feed clippings from treated areas to livestock or poultry.
- Do not apply this product through any type of irrigation system.
- Bermudagrass can be sensitive to this product. Do not exceed 4 fl oz/1,000 sq ft every 30 days on any variety of bermudagrass to reduce the potential for injury. In Florida, do not apply this product to bermudagrass golf course greens when temperatures exceed 90°F to reduce the risk of bermudagrass injury.

#### **APPLICATION INFORMATION**

- Use this product in a preventative disease control program.
- Apply after mowing OR allow sprayed area to completely dry before mowing.
- For control of soil-borne diseases, this product can be watered in after application.

- For control of foliar diseases, allow sprayed area to completely dry before irrigation.
- For optimum turf quality and disease control, use this product in conjunction with turf management practices that promote good plant health and optimum disease control.
- Proper diagnosis of the organism causing the disease is important prior to using any fungicide. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
- Apply in sufficient water to ensure thorough coverage.
- Under conditions optimum for high disease pressure, use the higher rate and the shorter application interval.
- Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.

#### TURFGRASS DISEASE CONTROL

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/Timing	Application Instructions
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> )	0.5	22	14 days	Apply when conditions are favorable for disease development.
	0.5	22	14 days	Tank mix with low label rate of a product containing chlorothalonil such as Daconil 2787 F or Daconil Ultrex®
	1	44	21-28 days	Tank mix with low label rate of a product containing chlorothalonil (such as Daconil 2787 F or Daconil Ultrex) or iprodione (such as Nufarm Iprodione SPC Fungicide).
	1-2	44-88	14-28 days	If using the 1-2 fl oz/1,000 sq ft rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
Anthracnose ( <i>Colletotrichum graminicola</i> )	1-2	44-88	14-28 days	Apply when conditions are favorable for disease development. Use higher rates of this product and shorter intervals when disease pressure is high. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl oz of this product per 1,000 sq ft with the label rate of the above mentioned contact fungicides.
Brown Patch ( <i>Rhizoctonia solani</i> )	1-2	44-88	14-21 days	Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Begin applications in May or June before the disease is present. Use the higher rates of this product and shorter intervals under conditions of high temperatures and high humidity.
Powdery Mildew ( <i>Erysiphe graminis</i> ) Rust ( <i>Puccinia graminis</i> )	1-2	44-88	14-28 days	Make applications when conditions are favorable for disease development. If disease is present, use 2 fl oz of this product per 1,000 sq ft
Pink Patch ( <i>Limonomyces roseipellis</i> ) Red Thread ( <i>Laetisaria fuciformis</i> )	2	88	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut ( <i>Ustilago striiformis</i> ) ( <i>Urocystis agropyri</i> )	1-2	44-88	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.

(continued)

TURFGRASS DISEASE CONTROL (*continued*)

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/ Timing	Instructions
Gray Leafspot ( <i>Pyricularia grisea</i> )	1-2	44-88	14 days	Make applications when conditions are favorable for disease development. If using the 1 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the labeled rate.
Melting Out, Leaf Spot ( <i>Bipolaris</i> spp.) ( <i>Drechslera</i> spp.)	1-4	44-176	14 days	Under light to moderate pressure, apply this product to reduce the severity of leaf spot and melting out caused by <i>Helminthosporium</i> -type pathogens. Tank mix the 1-4 fl oz/1,000 sq ft product rate with a registered contact fungicide at the labeled rate. For broad spectrum disease control, tank mix the 1 fl oz product rate with a registered contact fungicide at the labeled rate.
Summer Patch, Poa Patch ( <i>Magnaporthe poae</i> )	2	88	14 days	Apply this product beginning in April. Use the 2 fl oz/1,000 sq ft rate on a 14 day schedule and the 4 fl oz/1,000 sq ft rate on a 28 day schedule.
	4	176	28 days	
Take-All Patch ( <i>Gaeumannomyces graminis</i> )	2-4	88-176	Spring and Fall	Apply this product to reduce the severity of take-all patch. Make 1-2 fall applications in September and October or when night temperatures drop to 55°F, and 1-2 spring applications in April and May, depending on local recommendations.
Spring Dead Spot ( <i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiostoma herpotricha</i> , <i>Gaeumannomyces graminis</i> )	4	176	30 days	Make 1-3 applications of this product. For one application, apply in September or October. For multiple applications, begin sprays in August.
Necrotic Ring Spot ( <i>Leptosphaeria korrae</i> )	4	176	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
Gray Snow Mold ( <i>Typhula</i> spp.) Pink Snow Mold ( <i>Microdochium nivale</i> )	2-4	88-176	Late Fall	Make one application of this product in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, tank mix the 2 and 3 fl oz product rates with either PCNB or chlorothalonil at label rates.
Fusarium Patch ( <i>Fusarium nivale</i> )	2-4	88-176	Fall-Early Spring	Apply when conditions are favorable for disease development.
Yellow Patch ( <i>Rhizoctonia cerealis</i> )	3-4	130-176	Late Fall	Make one application of this product in the late fall before snow cover. Do not apply on top of snow. If using a 3 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the labeled rate.
Zoysia Patch, large patch of zoysia ( <i>Rhizoctonia solani</i> )	3-4	130-176	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.

**DICHONDRA DISEASE CONTROL**

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/ Timing	Application Instructions
Dichondra Rust ( <i>Puccinia dichondrae</i> )	2	88	14-21 days	Apply when conditions are favorable for disease development.

**ESTABLISHMENT OF COOL SEASON TURFGRASS**

The primary use of this product is as a fungicide for use against the diseases listed on this label. As an additional benefit, this product will improve the establishment rate when it is applied to cool season grass seedlings or sod.

**New Seedlings:** Apply 1 fl oz/1,000 sq ft at the 2 to 3-leaf stage of growth for faster root development and top growth.

**Sod:** Apply 1 fl oz/1,000 sq ft 2 to 6 weeks before cutting for increased sod knitting and faster establishment after laying.

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**ORNAMENTALS AND NON-BEARING FRUIT & NUT TREES  
IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS**

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**RESTRICTIONS**

- Do not apply more than 1.79 lb a.i./A (equivalent to 1.4 gallons of product/A or 4 fl oz/1,000 sq ft) per application.
- Do not apply more than 7.2 lb a.i./A (equivalent to 5.5 gallons of product/A or 16 fl oz/1,000 sq ft) per calendar year.
- Do not apply this product through any type of irrigation system.
- Do not apply to apple, cherry, citrus, nectarine, peach, pear, pecan, plum or walnut trees that will bear harvestable fruit within 12 months.

**DISEASE CONTROL**

- Use this product in a preventative disease control program.
- To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number/letter in parentheses following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The number in brackets following the disease refers you to the application regime in Table 3.
- Allow spray to dry before overhead irrigation is applied.
- Optimum benefit of this product is obtained when used in conjunction with sound disease management practices.

**APPLICATION INSTRUCTIONS**

- Use this product at rates of 2 to 24 fl oz/100 gallons of water for control of diseases of ornamental plant species (Refer to Tables 1, 2, and 3).
- For disease control in landscape plantings, apply 6 to 8 fl oz/100 gallons of water every 21 days. For best control, begin applications of this product before disease development.

**Note on Plant Tolerance:**

Plant tolerance to this product has been found to be acceptable for the specific genera and species of plants listed on this label. Other plant species may be sensitive to this product. Before full-scale use of this product on ornamental plants and trees, evaluate the product for phytotoxicity and disease control on a small-scale basis. **Do not apply this product to African violets, begonias, Boston fern, or geraniums.**

**Table 1. Ornamentals – Plant Species**

Numbers in parenthesis refer to diseases controlled. See Table 2

Herbaceous Ornamental	Woody Ornamental	Nonbearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a)	Amelanchier (4d)	Apple (3g, 4d, 5a)
Carnation (5f)	Ash (4c)	Bartlett pear (3q, 4c, 5a)
Chrysanthemum (2a)	Azalea (2c, 4b)	Cherry (2b, 3d)
Delphinium (4a)	Bayberry (3n)	Citrus (3m)
English Ivy (3e)	Camellia (3e)	Nectarine (2b)
Gomphrena (3a)	Cotoneaster (3i)	Peach (2b)
Impatiens (3a, 3b, 4a)	Crabapple (3c, 3q, 4c, 5a)	Pecan (3b, 3c, 3f, 3l, 3n, 4e)
Iris (5d)	Crape myrtle (4a)	Plum (2b)
Marigold (3a)	Dogwood (3h, 4c)	Walnut (3j)
Monarda (4c)	Douglas fir (5b)	
Phlox (4c)	Elm (4c)	
Snapdragon (5d)	Euonymus (3e, 4c)	
Sweet William <i>(Dianthus barbatus)</i> (3k)	Hawthorn (5a)	
Zinnia (4c)	Holly (3r)	
	Juniper (1a)	
	Lilac (4c)	
	Linden (3e, 3b, 4b)	
	Magnolia (3e, 4b)	
	Maple (3e, 4f)	
	Oaks (3p)	
	Pines (1b, 1c)	
	Poplars (5b)	
	Pyracantha (3o)	
	Red Tip Photinia (3i)	
	Rhaphiolepsis (3e, 3i)	
	Rhododendron (2c, 3n)	
	Roses (3g, 4e, 5c) (Outdoor use only)	
	Shasta fir (5e)	
	Sweetgum (3b, 3c, 3n)	
	Sycamore (3e)	
	Tulip tree (3e, 4a)	
	Wax myrtle (3n)	

## Table 2. Diseases

Numbers in brackets refer to application regimes. Refer to Table 3.

1. Conifer Blights
  - a. *Phomopsis juniperovora* (Phomopsis Blight) [2]
  - b. *Sirococcus strobilinus* (Tip Blight) [4]
  - c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [2]
2. Flower Blight
  - a. *Ascochyta chrysanthemi* (Ray Blight) [3]
  - b. *Monilinia spp.* [1]
  - c. *Ovulinia spp.* [2]
3. Leaf Blights/Spots
  - a. *Alternaria spp.* [2]
  - b. *Cercospora spp.* (Brown Leaf Spot) [3]
  - c. *Cladosporium spp.* (Scab) [3]
  - d. *Coccomyces hiemalis* [1]
  - e. *Colletotrichum spp.* [2]
  - f. *Cristulariella spp.* (Zonate leafspot) [3]
  - g. *Diplocarpon rosae* (Blackspot) [2]
  - h. *Discula spp.* (Anthracnose) [1]
  - i. *Fabraea maculata* (syn. *Entomosporium maculata*) [2]
  - j. *Gnomonia leptostyla* (Anthracnose) [3]
  - k. *Heterosporium echinulatum* [2]
  - l. *Mycosphaerella caryigena* (Downy Spot) [3]
3. Leaf Blights/Spots (*continued*)
  - m. *Mycosphaerella fructicola* (Greasy Spot) [5]
  - n. *Septoria spp.* (Leaf Scorch) [3]
  - o. *Spilocaea pyracantha* [2]
  - p. *Tubakia dryina* [4]
  - q. *Venturia inaequalis* (Scab) [1]
  - r. *Rhizoctonia web blight\** [2]
4. Powdery Mildew
  - a. *Erysiphe spp.* [2]
  - b. *Microsphaera spp.* [3]
  - c. *Oidium spp.* [2]
  - d. *Podosphaera spp.* [2]
  - e. *Sphaerotheca pannosa* [2]
  - f. *Phyllactinia spp.\** [2]
5. Rust
  - a. *Gymnosporangium juniperi-virginianae* [1]
  - b. *Melampsora occidentalis* [4]
  - c. *Phragmidium spp.* [2]
  - d. *Puccinia spp.* [2]
  - e. *Pucciniastrum goeppertianum* [4]
  - f. *Uromyces dianthi* [2]

\*Not registered for this use in CA

## Table 3. Application Regimes

[1]	Mix 2-4 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply this product when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl oz rate every 14 days or apply 8 fl oz of this product every 28 days.
[2]	Mix 5-8 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Begin applying when conditions are favorable for disease development and apply as necessary. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diplodia tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make the first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.
[3]	Mix 8-12 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for the disease development. For pecans, apply the 12 fl oz rate beginning at bud break. Apply 3 times at 14-day intervals. For walnuts, apply 8.5 fl oz at 14-21 day intervals. For ray blight, apply 12 fl oz at 7 day intervals or 20 fl oz at 14 day intervals. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl oz.
[4]	Mix 16 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, start applications in mid-late winter and apply 3 times at 2-month intervals.
[5]	Mix 20-24 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

## A FLARE ROOT-INJECTED SYSTEMIC FUNGICIDE FOR CONTROL OF SELECTED DISEASES IN TREES (Not Registered for use in CA & NY)

### Product Information

This product is a systemic fungicide for use as a flare root injection for prevention and treatment of (1) oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercus spp.*), (2) Dutch elm disease (*Ophiostroma ulmi*) of elms (*Ulmus spp.*), (3) sycamore anthracnose (*Apiognomonia veneta*), and (4) leaf diseases (i.e., *Venturia inaequalis*, *Gymnosporangium juniperi-virginianae*, *Pucciniastrum goeppertianum*, etc.) of crabapple (*Malus spp.*). Administer this product by trained arborists or others trained in injection techniques and in the identification of tree diseases.

**Notes:** The active ingredient in this product has been shown to be safe on a wide range of plant species. Before using this product on ornamental trees, conduct a small-scale test and evaluate for phytotoxicity and disease control prior to full-scale use.

### Restrictions

- Do not exceed 0.0069 lb a.i./DBH.
- Do not exceed one application per year.
- Do not use fruit from treated trees for food or feed purposes.

#### **Correct Location for Injector Placement**

The flare root area is the transitional zone between the trunk and the root system. Uptake and distribution of this product is more effective when injections are made into the flare roots. In addition, wounds created in the flare root area close more rapidly in comparison to wounds above the flare root area.

#### **Tree Preparation**

1. Carefully shave heavy, thick, or loose outer bark to form a smoother injection point and to ensure the operator that the drill hole penetrates through the bark to the xylem.
2. If the flare roots are not clearly exposed, carefully remove 2 to 4 inches of soil from the base of the tree to uncover the top of the flare roots. Brush away loose soil.
3. Drill holes through the bark, into sapwood using a clean sharp drill bit. Ensure that the drill hole diameter is adequate to allow insertion of injection tees and formation of airtight contact between active xylem and the delivery point of the injection tees. A drill hole diameter of 7/32 - 5/16 inch for elms, sycamores, and crabapples, and 5/16 inch for oaks is normally appropriate. Follow manufacturer's instructions for the particular injection device used in the treatment. Drill hole depth must be adequate to deliver the product into active xylem tissue. In most cases,  $\frac{1}{4}$  inch depth is appropriate, but trees with thick bark require increased drill hole depth to reach the active xylem layer. Space injectors 3-6 inches apart around the base of the tree. Do not drill in the valleys between the flare roots or into cankered areas. Drill above these areas into the trunk, and then continue again into sound sapwood on the flares.
4. Disinfect the drill bit between trees with household bleach (20% solution), ethanol, or other disinfectant. Rinse bit with clean water after disinfecting.
5. Insert into the drilled holes the injection ports ("tees"), which are connected to plastic tubing. The tubing must have inlet and outlet valves.
6. Mix the specified amount of this product and water thoroughly in the tank before beginning the injection treatment.

#### **Tree Measurement**

Measure the diameter of the tree using a tree diameter-tape (D-tape) at 4  $\frac{1}{2}$  feet above the ground. This is the diameter at breast height (DBH). If only a regular tape is available, measure the tree circumference and divide that number by 3.14. For crabapples, measure the diameter at the point where the tree begins to branch.

#### **Preparation of Injection Solution**

Dilute 10 ml of this product in up to 1 liter of water per inch DBH. Refer to the following table as an example of the amounts of this product and water to use:

DBH inches	Treatment Level (ml)	Water Volume (liters)
5	50	5
10	100	10
15	150	15
20	200	20
25	250	25
30	300	30
35	350	35
40	400	40

#### **Injection**

For pressurized injections, with the outlet valve open, connect the tank to the inlet valve and begin pumping solution until all air bubbles come out of the outlet valve. Direct the solution into a container and return the solution to the tank. Shut off the outlet valve. Pressurize tank to 20-30 psi. Check for leaks and gently tap in tees if necessary. Maintain continuous pressure on the injection system until the full amount of solution is in the tree.

After injection is complete, remove injection tees and leave drill holes unplugged. A water flush to cleanse the hole will assist with wound closure. Replace soil around the tree. It is not necessary to treat the drill holes with wound paint or other sealing compounds.

Contact your local extension agent for more details on tree injection. The injection system described is meant as an example; please refer to manufacturer's instructions when using other types of tree injection systems.

#### **Retreatment**

At the initial injection of this product, take notes on the level of disease in each tree. Reevaluate disease level in trees at 12-month intervals after treatment for the potential need for retreatment with this product. Consider preventive applications 12-36 months after the initial injection. Evaluate trees in high disease risk areas or high value trees for possible retreatment 12 months after each treatment.

Follow application procedures described above for repeat injections; new drill holes will be needed for subsequent treatments.

### **OAK WILT: OAKS**

#### **Preventive and Therapeutic Treatment**

Use 10 ml of this product in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml of this product per inch DBH.

In the upper Midwest, treat oaks after June 15. Wounds in oaks in the upper Midwest between May 15 and June 15 attract insects that transmit the oak wilt pathogen.

Oak trees exhibiting less than 20% crown loss from oak wilt have the best chance of responding to the treatment. Preventive application is more effective than therapeutic treatment. Response to treatment will vary with trees in advanced stages of disease development.

Uninfected trees normally absorb the full amount of product/water solution within 2 hours when injected under pressure. Consider trees exhibiting specific symptoms or those symptomless trees immediately adjacent to a diseased tree to be infected. Symptomless trees separated by a primary plow line from diseased trees will be at less risk of infection. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If the product/water solution is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

Refer to the **Product Information** section for details on retreatment.

### **LEAF DISEASE: CRABAPPLES**

#### **Preventative Treatment**

Use 10 ml of this product in up to 1 liter of water per inch trunk diameter. For trees less than 10 inches trunk diameter, use 6 ml of this product per inch trunk diameter. Make applications when the trees are in full leaf and actively growing for control of the next season's leaf disease development. Disease symptoms have the potential for not being reduced the year of application.

Refer to the **Product Information** section for details on retreatment.

### **ANTHRACNOSE: SYCAMORE**

#### **Preventive Treatment**

Use 10 ml of this product in up to 1 liter of water per inch DBH. For trees less than 10 inches DBH, use 6 ml of product per inch DBH. Make applications when the trees are in full leaf and actively growing for control of the next season's anthracnose development.

Refer to the **Product Information** section for details on retreatment.

### **DUTCH ELM DISEASE IN ELMS**

#### **Preventive and Therapeutic Treatment**

Use 6 to 10 ml of this product in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml of product per inch DBH.

**Notes:** (1) Accurate diagnosis of Dutch elm disease is important since this product only provides control of Dutch elm disease in elms. (2) this product will be most effective when used in conjunction with other cultural practices specified for management of Dutch elm disease (removal of dead elm trees, pruning of diseased tree limbs and branches, control of bark beetles, etc.). (3) Preventive applications can be made at 6-10 ml/inch DBH. The 6 ml rate provides 24 months control and the 10 ml rate provides 36 months control. (4) Make therapeutic treatment in trees showing disease symptoms at 10-20 ml/inch DBH. Retreat every 12-36 months, if needed. Response to treatment will vary with trees in advanced stages of disease development.

For further information on the proper diagnosis and control of Dutch elm disease, consult your local extension agent.

Refer to the **Product Information** section for details on retreatment.

## **STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container in a cool area out of the reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:**

**Nonrefillable 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 reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local ordinance, by burning. If burned stay out of smoke.

## **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

## **LIMITATION OF LIABILITY**

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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

RV070519 [3]

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# Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide

For fertilization and insect control in turfgrass areas including athletic fields and parks and residential, commercial, institutional, and recreational lawns. Not for use on golf courses or sod farms.

For control of grubs, treats up to 13,613 sq. ft.

For control of surface feeders, treats up to 27,225 sq. ft.

## ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-chloro-3-pyridinyl)methyl]-(N-nitro-2-imidazolidinimine).....	0.125%
Bifenthrin*.....	0.100%
OTHER INGREDIENTS: .....	99.775%
<b>TOTAL:</b>	<b>100.000%</b>

\*Cis isomers 97% minimum, trans isomers 3% maximum



## GUARANTEED ANALYSIS:

Total Nitrogen (N) ..... 18.0%

Soluble Potash (K<sub>2</sub>O) ..... 5.0%

Iron (Fe) ..... 3.0%

Derived From: Urea, Muriate of Potash, Polymer-coated sulfur-coated urea, Iron sucrate

\*12.5% Soluble Nitrogen from sulfur-coated polymer-coated urea

EPA REG. NO. 432-1417-93243  
EPA EST. NO. 87245-CAN-001 (C)  
EPA EST. NO. 92091-CAN-1 (P)

EPA EST. NO. 059135-AZ-001 (A)

EPA EST. NO. 93243-CT-1 (CT)

EPA EST. NO. 90561-NC-001 (N)

\*Number in parentheses used as first letter of lot number  
\*If lot begins "A", "CT" or "N", Manufactured in Canada  
\*If lot begins "A", "CT" or "N", Manufactured in USA

Product Code: P004138  
Net Wt. 50 lb (22.68 kg)

GUARANTEED AND DISTRIBUTED BY:  
Ferti Technologies

155 East Street Wallingford, CT, 06492-4028

## STOP - READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN.

## CAUTION

For MEDICAL and TRANSPORTATION Emergencies ONLY

Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

FIRST AID	
If on skin	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
	<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 1-800-334-7577</p> <p>Note To Physician: No specific antidote is available. Treat the patient symptomatically.</p> <p>This product contains a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.</p>

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful. If absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing before reuse.

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Run-off may be hazardous to aquatic organisms in water adjacent to treated areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street back onto the treated area of the lawn or garden will help to prevent run-off to water bodies or drainage systems.

This product contains a chemical with properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## 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 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 requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide can be used for the control of soil inhabiting pests of turfgrass; for example northern and southern masked chafers, Cyclocephala borealis, C. immaculata, and/or C. lunifera; Asiatic garden beetle, Maladera castanea; black vine weevil, Otiorrhynchus sulcatus; European chafer, Rhizotrogus majalis; green June beetle, Cotinis nitida; May or June beetles, Phyllophaga spp.; Japanese beetle, Popillia japonica orientalis; Anomala orientalis; Euetheola humilis; billbugs, Sphenophorus spp.; annual bluegrass weevil, Lixus trivittatus; black turfgrass atenaulus, Athetaenula spretulus; Aphelinus spp.; Crane flies, Tipula spp.; frt fly, Oscinella frt.; chinch bugs, Blissus spp.; fire ants, Solenopsis spp.; cutworms, Agrotis ipsilon, Panthaea scuticaria, Neptobius spp.; nematans; armyworms, Spodoptera spp.; sod webworm, Crambus spp.;

and mole crickets, Scapteriscus spp. Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide can be used as directed on turfgrass; for example, in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds, and athletic fields. The active ingredients Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide have sufficient residual activity so that applications for control of subsurface feeders can be made preceding the egg laying activity. The need for an application for control of subsurface feeders can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control of subsurface feeders will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch. The active ingredients in Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide have sufficient Knockdown and residual activity to provide remedial and residual control of surface feeding pests. Applications for control of surface feeding pests can be made when infestations are anticipated based on historical monitoring of the site, previous records or experiences, current season adult trapping or presence of insects at economic thresholds as determined by consulting and/or recommendations of State extension personnel or other qualified specialists.

Do not apply more than 200 lb. of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide (0.25 lb. of Imidacloprid, 0.2 lb bifenthrin) per acre per application on residential use sites (i.e., around private homes, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, preschools or day care facilities). May be applied at up to 400 lb. of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide (0.5 lb. of Imidacloprid, 0.4 lb bifenthrin) per application on non-residential use sites (i.e., around institutions, public, commercial or industrial buildings; parks; recreational areas or athletic fields).

Do not apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. Total amount applied cannot exceed 400 lb (0.5 lb of Imidacloprid, 0.4 lb of bifenthrin) per acre per year.

Penetrate vertically in the soil profile. Total amount applied cannot exceed 400 lb (0.5 lb of Imidacloprid, 0.4 lb of bifenthrin) per acre per year. Not for use in commercial greenhouses or on grass grown for seed or on golf courses and sod farms. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on lawns and circums.

## APPLICATION EQUIPMENT

Apply Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide uniformly over the area being treated with normally used granular application equipment. Both drop-type and rotary-type spreaders may be used to apply Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide. Avoid the use of spreaders that apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

## Resistance Management

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® Insecticide contains Group 3 and 4A insecticides. Insect biotypes with acquired or inherent resistance to Group 3 and 4A insecticides may eventually dominate the insect population if Group 3 and 4A insecticides are used repeatedly as the predominant method of control for targeted species.

APPLICATION DOSAGE INFORMATION  
(Be sure to read "APPLICATION EQUIPMENT" Section of this label)

SITE	PEST	DOSAGE
Turfgrass	Larvae of subsurface feeders: Asian garden beetle Black vine weevil Black vine weevil European chafer European crane fly Green June beetle Japanese beetle Northern masked chafers Oriental beetle Phyllophaga spp. Southern masked chafers	160 to 200 lb per acre (3.7 to 4.6 lb per 1000 sq. ft.)

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<b>Adults and/or larvae of subsurface and surface feeding pests:</b>	120 to 200 lb per acre (2.8 to 4.6 lbs per 1000 sq ft)
<b>Centipedes</b>	or for heavy infestations, a single annual application of 320 to 400 lb per 1000 sq ft to non-residential turf
<b>Fleas</b>	
<b>Millepedes</b>	
<b>Ticks</b>	
<b>Imported fire ants</b>	
<b>Mole crickets</b>	
<b>Pillbugs</b>	
<b>Scorwugs</b>	
<b>Adults and/or larvae of surface feeders:</b>	
Annual bluegrass weevil	120 to 200 lb per acre (2.8 to 4.6 lbs per 1000 sq ft)
Billbugs	
Chinch bugs	
Frit fly	
Leafhoppers	
Mealybugs	
Nuisance ants	
<b>Larvae of surface feeders:</b>	
Armyworm	80 to 200 lb per acre (1.8 to 4.6 lbs per 1000 sq ft)
Cutworm	
Sod webworms	

Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.

**RESTRICTIONS:** For optimum control, irrigate if rainfall does not occur within 24 hours after applying the active ingredient through the thatch. Do not apply more than 400 lb product (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. Do not apply more than 200 lb product (0.25 lb imidacloprid, 0.2 lb bifenthrin) per acre per application to residential turf. Avoid mowing turf or lawn areas until after irrigation or rainfall has occurred so that uniformity of application will not be affected.

In New York State, this product may NOT be applied to any grass or turf areas within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch). In New York State, make a single repeat application of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide. If there are signs of renewed insect activity, but not sooner than two weeks after the first application.

**Annual Bluegrass Weevil (*Lixus trontomus maculicollis*) adults:** Time applications to control weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forsythia is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

**Annual Bluegrass Weevil (*Lixus trontomus maculicollis*) larvae:** For best results, apply at the first sign of wilting of bluegrass. For the first generation, this will often occurs after full bloom of flowering dogwood (*Cornus florida*).

**Armyworms, Cutworms and Sod Webworms:** If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 4.6 lb per 1000 sq ft) may be required during periods of high pest pressure.

**Billbug adults:** For best results, apply when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

**Chinch Bugs:** Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Chinch bugs can be one of the most difficult pests to control in grasses and the higher application rates (Up to 4.6 lb per 1000 sq ft) may be required to control populations that contain both nymphs and adults during the middle of the summer.

**Imported Fire Ants:** Apply as a broadcast treatment in non-residential turf areas up to 9.2 lb per 1000 sq ft. For mound treatment, apply ½ cup of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide per mound and then drench the mound with 1 to 2 gallons of water. Treat mounds with sufficient force to break their apex and allow the insecticide to flow into the ant tunnels.

**Mole Cricket adults:** Achieving acceptable control of adult mole crickets is difficult because grass areas are subject to continuous invasion during the early spring by this large active stage. For application when both adults and/or large nymphs are present

and actively tunneling, irrigate prior to application. If soil is dry and apply 4.6 lbs per 1000 sq ft. For best results, water-in applications with up to 1/3 inches of water immediately after treatment. Treat grass areas that receive optimum control of subsequent nymph populations (see below). For heavily infested mole cricket areas, or in areas with a history of mole cricket infestation, use a single seasonal application rate of 320 to 400 lb per acre (7.3-9.2 lb per 1000 sq ft) to non-residential turf.

**Mole Cricket nymphs:** For best results, treat grass areas that received adult mole cricket pressure in the spring within one month of peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides. Control on target, more damaging nymphs later in the year will require higher application rates to maintain acceptable control. For maximum effectiveness, irrigate prior to application if soil is dry, apply as a broadcast treatment at 4.6 lb per 1000 sq ft. For best results, water-in applications with up to 0.5 inches of water after treatment. For heavily infested mole cricket areas, or in areas with a history of mole cricket infestation, use a single seasonal application rate of 320 to 400 lb per acre (7.3-9.2 lb per 1000 sq ft) to non-residential turf.

**Pillbugs and sowbugs:** For heavy infestations apply 400 lbs per acre (9.2 lbs per 1000 sq ft) of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide to non-residential turf.

**Ticks (including ticks that may transmit Lyme disease and Rocky Mountain spotted fever):** Treat the entire areas where exposure to ticks may occur. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Limit repeat application to no more than once per seven days. Deer ticks (*Ixodes spp.*) have a complicated life cycle that ranges over a two year period and involves four life stages. Make applications in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in hide to late spring to control larva and nymphs that reside in the soil and leaf litter. American dog ticks (*Dermacentor variabilis*) may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Make applications as necessary from mid-spring to early fall to control American dog tick larva, nymphs and adults.

**Spreader settings for Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide:**

The following chart can be used as a guide in establishing an accurate rate of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide. Application rates will vary depending upon speed, equipment wear and condition of spreader. Carefully calibrate application equipment prior to commercial use of this product.

RECOMMENDED SPREADER SETTINGS			
Spreader	78 lbs/acre (1.8 lbs/1000 sq. ft.)	200 lbs/acre (4.6 lbs/1000 sq. ft.)	400 lbs/acre (9.2 lbs/1000 sq. ft.)
Scotts R-8A	H	J5	R
Scotts AP 2000	G5	K5	O5
Pr-Lawn Blk II/CBR III	G	J5	P
Lesco Numeric	9	16	26
Lesco Letter	C	G	L
Earthway Rotary		14.5	17
Cyclone or Spyker	3.75	5.25	7

#### RESTRICTIONS

Avoid runoff or puddling of irrigation water following application. Avoid application of Nutrite Professional Turf Fertilizer with 0.225% ALLECTUS® insecticide to areas which are waterflooded or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 400 lb (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year.

Treated areas may be replanted with any crop specified on an imidacloprid and a bifenthrin label, or with any crop for which a tolerance exists for the two active ingredients.

For crops not listed on any imidacloprid and a bifenthrin label, or for crops for which no tolerances for the active ingredients have been established, a 12-month plant-back interval must be observed.

Do not apply by air.

Do not use for use in commercial greenhouses, golf courses, and sod farms.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label.

#### REstrictions

Avoid application of active ingredients to areas which are waterflooded or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 400 lb (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year.

Do not apply by air.

Do not use for use in commercial greenhouses, golf courses, and sod farms.

#### REstrictions

Do not water to the point of run-off. Do not make applications during rain.

\* Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

#### STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides below. Refer to Pesticide Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team or any other assistance that may be necessary. The Bay Environmental Science Emergency Response Telephone No. 1-800-332-7577 or contact Chemtrec at 1-800-424-9300; for specific company information.

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

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability for this product. If available, Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

#### CONDITIONS:

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury or other property damage, or other unintended consequences may result because of factors beyond the control of Ferti Technologies, such as weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FERTI TECHNOLOGIES MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FERTI TECHNOLOGIES DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT FERTI TECHNOLOGIES' ELECTION, THE REPLACEMENT OF PRODUCT.

Alelectus is a registered trademark of Bayer

Information regarding the contents and levels of metals in this product are available on the Internet at <http://www.regulatory-info-ba.com>.

MASTER LABEL: 02/11/2015  
REV 04/20

# Dylox® 6.2 Granular Insecticide

For Control of White Grubs, Mole Crickets, Sod Webworms, Cutworms and Other Pests of Turfgrass  
For commercial use only

Controls damaging insect below the soil surface.

Provides control of Japanese beetle grubs.

#### ACTIVE INGREDIENT:

Trichlorfon, Dimethyl (2,2,2-trichloro-1-hydroxy-ethyl)phosphonate ..... 6.2%

INERT INGREDIENTS: ..... 93.8%  
100.0%

#### FAST-ACTING

Treats 10,000 sq ft for White Grubs and Mole Crickets

STORE IN A DRY PLACE

Treats 15,000 sq ft for Sod Webworms

EPA Reg. No. 432-1308

EPA Est. No. \_\_\_\_\_

**STOP - Read the label before use.  
Keep out of reach of children.**

## CAUTION

### FIRST AID

Contains an organophosphate that inhibits cholinesterase.

If swallowed	<ul style="list-style-type: none"><li>Call a poison control center or doctor immediately for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to by a poison control center or doctor.</li><li>Do not give anything to an unconscious person.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577.

**Note To Physician:** Prolonged exposure will cause cholinesterase depression. Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Do not take internally. Do not breathe dust. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some people.

### PERSONAL PROTECTIVE EQUIPMENT

Mixers, Loaders, Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- 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.

### ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

## User Safety Recommendations

### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and wildlife. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when turf grass areas are water-logged or the soil is saturated with water (i.e. will not irrigate). Avoid run-off or puddling of irrigation water following application. Use only as directed on this label. Do not use on crops used for food or forage. Golf courses: Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries. Post-application watering-in is required (is mandatory) for all uses.

## DIRECTIONS FOR USE

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

**IMPORTANT:** Read these entire Directions for Use before using DYLOX 6.2 Granular Insecticide.

**NOTE:** Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

### ENTRY RESTRICTIONS

Do not allow people or pets to enter treated area (except those involved in the watering) until the watering-in is complete and the surface is dry. On golf courses, the treated area must not be entered (except by those involved in the watering) until the watering-in is complete and the surface is dry.

## FACTS

• Fast Acting	
Dylox 6.2	• Granular Insecticide containing 6.2% trichlorfon
Controls	<ul style="list-style-type: none"><li>• White Grub Larvae (such as larvae of Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, <i>Aphodius spp.</i>, May or June beetles (<i>Phyllophaga spp.</i>), northern and southern masked chafers (<i>Cyclocephala spp.</i>), oriental beetle and sugarcane grubs (<i>Tomarus spp.</i>))</li><li>• Mole crickets</li><li>• Annual bluegrass weevil</li><li>• Sod webworms and cranberry girdler</li><li>• Cutworms and armyworms</li></ul>
Where to Apply	<ul style="list-style-type: none"><li>• All types of turf where pests have been seen or found excluding turf where application is not allowed. See Note above.</li></ul>
Coverage	<ul style="list-style-type: none"><li>• Treats 10,000 sq. ft. for white grubs, annual bluegrass weevil, cranberry girdler and mole crickets. (30 lbs.)</li><li>• Treats 15,000 sq. ft. for sod webworms, armyworms and cutworms. (30 lbs.)</li></ul>
How to Apply	<ul style="list-style-type: none"><li>• Do not apply with hand-held or chest-mounted spreader.</li><li>• Apply granules using a broadcast or drop type spreader.</li></ul>
Questions	For questions or comments, call toll free 1 (800) 331-2867. <a href="http://www.BayerProCentral.com">www.BayerProCentral.com</a>

## SURFACE FEEDING INSECTS

Sod webworm, cranberry girdler, cutworm, and armyworm

Use Rate	<ul style="list-style-type: none"> <li>2 pounds per 1,000 sq. ft. of turf.</li> <li>Refer to chart for spreader settings (Make sure your spreader is calibrated for this product before application).</li> </ul>
How to Apply	<ul style="list-style-type: none"> <li>Turf should be free of troublesome thatch, which encourages insects. Rake or de-thatch the area and remove the debris to expose insect hiding places.</li> <li>Water the turf and cut to proper height.</li> <li>Apply granules with a broadcast or drop type spreader.</li> <li>To release the active ingredient from the granule, the applicator must water-in after application or notify the property owner that he/she must water-in.</li> </ul>
When to Apply	<ul style="list-style-type: none"> <li>Treat when the insects are present. Repeat as needed.</li> <li>Sod webworm may have 4 generations of larvae which will require additional treatments at 30 to 40 day intervals during the summer months. Therefore repeat as needed for continued protection.</li> </ul>

### Surface Feeding Insects - 2 lb/1,000 Sq ft

Spreader	Setting	Spreader	Setting
Cyclone Pro	4	Scotts R7X	H
Cyclone-Roto	3	Spyker Pro	4
Lely B'Cast	2.5	Greenview (Model 105)	6.5
Lesco B'Cast	11	Earthway (Model 2600)	8
Prize CB-85, CBT-85	4.5	Sears Broadcast	3.5
Scott-Drop	4	Sears Drop	6

(30 pounds will treat 15000 Sq ft at this rate)

## Root Feeding Insects

annual bluegrass weevil (larvae)

cranberry girdler

mole crickets

white grub larvae: larvae of Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, *Aphodius* spp., May or June beetles (*Phyllophaga* spp.), northern & southern masked chafers, and Oriental beetle

Use Rate	<ul style="list-style-type: none"> <li>3 pounds per 1,000 sq. ft. of turf.</li> <li>Refer to chart for spreader settings (Make sure your spreader is calibrated for this product before application).</li> </ul>
How to Apply	<ul style="list-style-type: none"> <li>Turf should be free of troublesome thatch, which encourages insects.</li> <li>For best results, ensure that there is no more than ½ inch of thatch present at time of application. Under dry conditions, where thatch is present, prewatering is recommended prior to application for control of white grub and weevil larvae.</li> <li>Water the turf and cut to proper height.</li> <li>Apply granules with a broadcast or drop type spreader.</li> <li>The applicator must water-in after application or notify the property owner that he/she must water-in in order to move the product into the root zone.</li> </ul>
When to Apply	<ul style="list-style-type: none"> <li>Apply when pests are seen or found.</li> <li>Consult your Agricultural Extension Service for the best time to treat in your area.</li> <li>A second treatment may be needed for mature large sized grubs.</li> </ul>

### Root Feeding Insects - 3 lb/1,000 Sq ft)

Spreader	Setting	Spreader	Setting
Cyclone Pro	4.75	Scotts R7X	J
Cyclone-Roto	3.5	Spyker Pro	4.7
Lely B'Cast	2.9	Greenview (Model 105)	7.5
Lesco B'Cast	14	Earthway (Model 2600)	10
Prize CB-85, CBT-85	5	Sears Broadcast	4
Scott-Drop	4.5	Sears Drop	7

(30 pounds will treat 10000 Sq ft at this rate)

### **Application Restrictions**

- 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.
- Aerial application is prohibited.
- Post-application watering-in is mandatory.
- Do not apply this product using "chest mounted rotary-type spreaders."
- Do not apply more than one application in any 7 day period.
- Do not apply more than 24.5 lbs ai/A per year for grubs and mole crickets and 16.2 lbs ai/A per year for surface feeding insects.

### **Additional Restrictions For Golf Courses**

- Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries.
- Post-application watering-in is mandatory.
- Broadcast use is limited to tees and greens, use on fairways is limited to spot treatments where pests are seen or found.

### **STORAGE AND DISPOSAL**

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

<b>STORAGE:</b>	<ul style="list-style-type: none"><li>• Store in its original container in a cool, dry, locked place out of reach of children.</li></ul>
<b>PESTICIDE DISPOSAL</b>	<ul style="list-style-type: none"><li>• Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</li></ul>
<b>CONTAINER DISPOSAL</b>	<ul style="list-style-type: none"><li>• Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill.</li></ul>

Net Contents \_\_\_\_\_

### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations 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 conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer CropScience LP's control it is impossible for Bayer CropScience LP to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** BAYER CROPSOURCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Bayer CropScience LP disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSOURCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

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**Bayer Environmental Science**

A Business Group of Bayer CropScience LP  
2 T. W. Alexander Drive  
Research Triangle Park, NC 27709

09/07/04, Notification 09/22/05, Notification 06/19/06

## ATTENTION:

This specimen label is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

98005JL-17



Roundup QuikPRO herbicide is a fast-acting, non-selective professional herbicide for use in non-crop areas and industrial sites.

## Complete Directions for Use

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, STEMS, EXPOSED NON-WOODY ROOTS, OR DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

EPA Reg. No. 524-535

2011-1

Read the entire label before using this product.

Use only according to label instructions.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

## 1.0 INGREDIENTS

### ACTIVE INGREDIENTS:

*Glyphosate, N-(phosphonomethyl)glycine, in the form of its ammonium salt.....	73.3%
Diquat dibromide [6,7-dihydrodipyrido (1,2-a;2',1'-c) pyrazinedium dibromide] .....	2.9%
OTHER INGREDIENTS: .....	23.8%

100.0%

\*Equivalent to 66.6% of the acid, glyphosate

1.0 pound contains 0.73 pound of the ammonium salt of glyphosate and 0.03 pound of the dibromide salt of diquat.

This product is protected by U.S. Patent No. 7,008,904. Other patents pending. No license granted under any patent to use this product other than in accordance with this label. No license granted under any non-U.S. patent(s).

## 2.0 IMPORTANT PHONE NUMBERS

FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE.  
1-800-332-3111.

IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT, OR FOR MEDICAL  
ASSISTANCE, CALL COLLECT, DAY OR NIGHT,  
(314)-694-4000.

## 3.0 PRECAUTIONARY STATEMENTS

### 3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

### CAUTION!

HARMFUL IF SWALLOWED.

HARMFUL IF INHALED.

CAUSES MODERATE EYE IRRITATION.

Avoid breathing dust or spray mist.

Avoid contact with eyes or clothing.

Remove contaminated clothing and wash clothing before reuse.

Wash thoroughly with soap and water after handling.

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"><li>Call a physician or Poison Control Center for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li>Do not induce vomiting unless told to do so by a Poison Control Center or physician.</li><li>Do not give anything by mouth to an unconscious person.</li><li>Quick treatment is essential to counteract poisoning and should be initiated before signs and symptoms of injury appear.</li></ul>
IF INHALED	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>Call a Poison Control Center or physician for further treatment advice.</li></ul>
IF IN EYES	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call a Poison Control Center or physician for treatment advice.</li></ul>

DOMESTIC ANIMALS: Keep livestock and pets out of treated areas. Do not graze livestock on treated areas. This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours!

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, protective footwear plus socks, and protective eyewear. Discard clothing and other materials that have been heavily contaminated with this product's concentrate. 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

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## 3.2 Environmental Hazards

This product is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

## 3.3 Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

**DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lit cigarette or other ignition source.

### DIRECTIONS FOR USE

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

**Entry Restrictions:** Keep all unprotected persons out of operating areas or vicinity where there may be drift. Keep people and pets off treated areas until spray solution has dried.

## 4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container, including rinsate, by application in accordance with label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable Federal, State and local procedures.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. When completely empty, offer for recycling if available, or dispose of bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 5.0 PRODUCT INFORMATION

**Product Description:** This product is a postemergent, systemic herbicide with no residual soil activity. It is non-selective and gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees. This product is formulated as a water-soluble granule containing surfactant and no additional surfactant is needed. Apply through most standard sprayers after dissolution and thorough mixing with water according to label instructions.

**Time to Symptoms:** This product moves through the plant from the point of foliage contact and into the root system. Visible effects on most annual weeds occur within 1 day, and on most perennial weeds in 2 days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay development of visual symptoms. Visible effects are a quick yellowing of the foliage which advances to complete browning of above-ground growth and deterioration of underground plant parts.

**Mode of Action:** One of the active ingredients in this product inhibits an enzyme found only in plants and microorganisms that is essential to formation of specific amino acids. A second active rapidly disrupts cell integrity of photosynthetically active tissues in the contacted foliage.

**Cultural Considerations:** Reduced control may result when application is made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the specified stage for treatment.

**Rainfastness:** Heavy rainfall soon after application may wash this product off of the foliage and a repeat application may be required for adequate weed control.

**Spray Coverage:** Uniform and complete spray coverage will provide best results. Do not spray weed foliage to the point of runoff.

**No Soil Activity:** Weeds must be emerged at the time of application to be controlled by this product. Weeds germinating from seed after application will not be controlled. Plants growing from unattached underground rhizomes or root stocks of perennials that have not yet emerged at the time of application will not be affected by the herbicide and will continue to grow.

**Annual Maximum Use Rate:** The maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredient glyphosate, whether applied separately or as tank mixtures. If more than one glyphosate-containing product is applied to the same site within the same year, you must ensure that the total use of glyphosate (pounds acid equivalent) does not exceed the maximum allowed. For non-crop uses, the combined total of all treatments must not exceed 12.25 pounds of this product (8 pounds of glyphosate acid) per acre per year.

### ATTENTION

**AVOID CONTACT OF HERBICIDE WITH FOLIAGE, EXPOSED NON-WOODY ROOTS, OR DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.**

**AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS.**

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to desirable plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

**NOTE:** Use of this product in any manner not consistent with this label may result in injury to persons, animals or desirable plants, or other unintended consequences. Keep container closed to prevent spills and contamination.

## 6.0 MIXING

Mix only the amount of solution to be used during a 1-day period. Reduced visual activity but not efficacy will result from the use of leftover solution.

Clean sprayer parts immediately after using this product by thoroughly flushing with water.

**NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL SEDIMENT IS USED AS A CARRIER. DO NOT MIX THIS PRODUCT WITH WATER FROM PONDS AND DITCHES THAT IS VISIBLY MUDDY OR MURKY.**

Use caution to avoid siphoning back into the carrier source. Use approved anti-back-siphoning devices where required by state or local regulations. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

### 6.1 Tank-Mixing

This product does not provide residual weed control. This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum or an alternate mode of action. Read and follow all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions and use according to the most restrictive precautionary statements for each product in the tank mixture. Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label. Mixing this product with herbicides or other materials not specified on this label may result in reduced performance.

### 6.2 Procedure for Preparing Spray Solution

Use the following procedure to mix this product in water alone or when preparing tank mixtures with other labeled products.

1. Place a 20- to 35-mesh screen or wetting basket over filling port.
2. Through the screen, fill the spray tank one-half full with water and start agitation.
3. Add Roundup QuikPRO herbicide using a circular motion while pouring.
4. If second product is a wettable powder, first make a slurry with the water carrier, then add the slurry SLOWLY through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
6. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
7. Continue filling the spray tank with water and add water soluble liquids near the end of the filling process.

When tank mixing this product with other products, maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near the bottom of the tank to minimize foaming. Use a screen size in nozzle or line strainers no finer than 50-mesh.

Always predetermine the compatibility of labeled tank mixtures of this product with water carrier by mixing small proportional quantities in advance.

## 6.3 Mixing for Hand-Held Sprayers

Prepare the desired volume of spray solution by adding the amount of this product as shown in the following table to a clean, empty sprayer. Add the appropriate amount of water and stir or agitate to ensure dissolution of this product. For best results when using backpack sprayers, mix the labeled amount of this product with the specified volume of water in a larger container. Fill sprayer with the mixed solution.

### Spray Solution

Amount of Roundup QuikPRO herbicide				
Desired Volume	Annuals	Perennials	Brush	Low-Volume Directed
1 Gal	1.2 oz	1.5 oz	1.5 oz	4.0 oz to 8.0 oz
3 Gal	3.6 oz	4.5 oz	4.5 oz	12.0 oz to 1.5 lb
10 Gal	12.0 oz	15.0 oz	15.0 oz	2.5 lb to 5.0 lb

## 6.4 Colorants or Dyes

Colorants or marking dyes may be added to this product; however, they can reduce product performance, especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's directions. Certain blue dyes are not stable in the spray solution in the presence of this product. A jar test to determine if the desired blue dye is stable is recommended. If stability is a problem consider switching to an alternate color dye.

## 6.5 Drift Control Additives

Drift control additives may be used with all equipment types. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

## 7.0 APPLICATION EQUIPMENT AND TECHNIQUES

### SPRAY DRIFT MANAGEMENT

#### AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS.

Avoiding spray drift at the application site is the responsibility of the applicator and grower. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

#### Do not apply this product by air.

#### Do not apply this product through any type of irrigation system.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to desirable plants or other areas on which treatment was not intended.

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

## 7.1 Ground Broadcast Equipment

Use the labeled rates of this product in 10 to 80 gallons of water per acre as a broadcast spray unless otherwise specified on this label or in separate supplemental labeling or Fact Sheets published for this product. As the density of weeds increases, increase the spray volume within the labeled range to ensure complete coverage. Carefully select proper nozzles to avoid spraying a fine mist. For best results with ground application equipment, use flat-fan nozzles. Check for even distribution of spray droplets.

## 7.2 Backpack or Hand-Held Equipment

Apply to foliage of vegetation to be controlled on a spray-to-wet basis; do not spray to the point of runoff. For best results, ensure that spray coverage is uniform and complete. Use coarse sprays only.

For control of weeds listed in the Annual Weeds section of the WEEDS CONTROLLED section, apply 1.2 ounces of this product per 1 gallon of spray solution. See table in Mixing for Hand-Held Sprayers section for larger mixing volumes.

For best results, use 1.5 ounces of this product per 1 gallon of spray solution on harder-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle. See table in Mixing for Hand-Held Sprayers section for larger mixing volumes.

For low-volume directed spray applications, use 4.0 to 8.0 ounces of this product per 1 gallon of spray solution for control or partial control of brush weeds. See table in Mixing for Hand-Held Sprayers section for larger mixing volumes. Ensure spray coverage is uniform with at least 50 percent of the foliage contacted. Coverage of the top one-half of the plant is important for best results. To ensure adequate spray coverage, spray both sides of brush and tree seedlings when foliage is thick and dense, or where there are multiple sprouts.

## 7.3 CDA Equipment

The rate of this product applied per acre by controlled droplet application (CDA) equipment must not be less than the amount stated in this label when applied by conventional broadcast equipment. For vehicle mounted CDA equipment, apply 3 to 15 gallons of water per acre.

For hand-held CDA units, apply a solution of 1.5 to 2.0 pounds of this product in one gallon of water at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 mile per hour.

CDA equipment produces a spray pattern which is not easily visible. Extreme care must be exercised to avoid spray or drift contacting the foliage or any other green tissue of desirable vegetation, as damage or destruction is likely to result.

## 8.0 SITE AND USE INSTRUCTIONS

Unless otherwise specified, applications may be made to control any weeds listed in the annual, perennial and brush weeds and tree seedlings tables.

### 8.1 Non-crop Areas and Industrial Sites

Use in non-crop areas only: airports, apartment complexes, commercial sites, Conservation Reserve Program (CRP), ditch banks, driveways, dry ditches, dry canals, fencerows, golf courses, industrial sites, landscape areas, lumberyards, manufacturing sites, municipal sites, natural areas, office complexes, ornamental landscapes, parks, parking areas, recreational areas, residential areas, rights-of-way, roadsides, schools, sports complexes, storage areas, warehouse areas, and wildlife management areas.

This product is not for use on crops, timber, other plants being grown for sale, other commercial use, or for commercial seed production. This product is not for research purposes.

#### Weed Control, Trim-and-Edge and Bare Ground

Use this product in non-crop areas. Apply with any application equipment described in this label. This product may be used to trim-and-edge around objects in non-crop sites, for spot treatment of unwanted vegetation, and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt or beginning construction projects. This product is not for use on plants grown for sale or other commercial use, or for commercial seed production.

Repeated applications of this product may be used as weeds emerge to maintain bare ground.

When a tank mixture with a generic active ingredient, such as 2,4-D or pendimethalin is described in this label, the user is responsible for ensuring that the specific application being made is included on the label of the specific product being used in the tank-mixture.

This product may be tank-mixed with the following products. Refer to these products' labels for approved non-crop sites and application rates.

BANVEL PENDULUM 3.3 EC

BARRICADE 65WG PENDULUM WDG

CERTAINITY® RONSTAR 50 WP

DIMENSION 4 EC SURFLAN

ENDURANCE 2,4-D

PENDIMETHALIN

When applied as a tank mixture for bare ground, Roundup QuikPRO herbicide provides control of the emerged annual weeds and control or partial control of emerged perennial weeds.

#### Dormant Turfgrass

Use this product to control or suppress many winter annual weeds and tall fescue for effective release of dormant bermudagrass and bahiagrass turf. Treat only when turf is dormant and prior to spring greenup. This product is not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Apply 5 to 16 ounces of this product per acre. Apply the labeled rates in 10 to 80 gallons of water per acre. Use only in areas where bermudagrass or bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated.

Treatments in excess of 9 ounces per acre may result in injury or delayed greenup in highly maintained areas, golf courses and lawns.

#### Turfgrass Renovation (Except for Commercial Sod Farms)

This product controls most existing vegetation prior to renovating turfgrass areas. This product is not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. Do not use this product for renovation of bermudagrass or kikuyugrass sods. Where existing vegetation is growing under mowed turfgrass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the spray.

Do not disturb soil or underground plant parts before treatment. Delay tillage or renovation techniques such as vertical mowing, coring or slicing for 7 days after application to allow translocation into underground plant parts.

Desirable turfgrasses may be planted following the above procedures.

Hand-held equipment may be used for spot treatment of unwanted vegetation growing in existing turfgrass.

Do not feed or graze treated turfgrass or feed treated thatch to livestock.

## 8.2 Parks, Recreational and Residential Areas

This product may be used in parks, recreational and residential areas. Apply this product with any application equipment described on this label. Use this product to trim-end-edge around trees, fences, paths, around buildings, sidewalks, and other objects in these areas. This product may be used for spot treatment of unwanted vegetation to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt or beginning construction projects.

All of the instructions in the Non-Crop Areas and Industrial Sites section apply to park and recreational areas. This product is not for use around plants being grown for sale or other commercial use.

## 9.0 WEEDS CONTROLLED

Always use the higher rate of this product per acre within the range when weed growth is heavy or dense or weeds are growing in an undisturbed (non-cultivated) area.

Reduced results may occur when treating weeds heavily covered with dust. For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment.

Refer to the following label sections for rates to control annual and perennial weeds. For difficult to control perennial weeds and where plants are growing under stressed conditions, or where infestations are dense, this product may be used at up to 12.25 pounds per acre for enhanced results.

### 9.1 Annual Weeds

Use 2.25 to 4.5 pounds per acre of this product as a broadcast spray to control annual weeds. When using rates less than 4.5 pounds per acre, the level of fast-burn symptomology may be reduced.

For spray-to-wet applications, apply 1.2 ounces of this product per 1 gallon of spray solution.

#### WEED SPECIES

Anoda, spurred	Field pennycress*
Barley*	Filaree
Barnyardgrass*	Fleabane, annual*
Bassia, fivehook	Fleabane, hairy <i>(Conyza bonariensis)*</i>
Bittercress*	Fleabane, rough*
Black nightshade*	Florida pusley
Bluegrass, annual*	Foxtail*
Bluegrass, bulbous*	Goatgrass, jointed*
Brome, downy*	Goosegrass
Brome, Japanese*	Grain sorghum (milo)*
Browntop panicum*	Groundsel, common*
Buttercup*	Hemp sesbania
Carolina fxtail*	Herbit
Carolina geranium	Horseweed/Marestail <i>(Conyza canadensis)*</i>
Castor bean	Itchgrass*
Cheatgrass*	Johnsongrass, seedling
Cheeseweed	Jungleteas
<i>(Malva parviflora)</i>	Knotweed
Chervil*	Kochia
Chickweed*	Lambsquarters*
Cocklebur*	Little barley*
Copperleaf, hophornbeam	London rocket*
Corn*	Mayweed
Corn speedwell*	Medusahead*
Crabgrass*	Morning glory <i>(Ipomoea spp.)</i>
Dwarf dandelion*	Mustard, blue*
Eastern manna grass*	Mustard, tansy*
Eclipta*	Mustard, tumble*
Fall panicum*	Mustard, wild*
Falsodandelion*	Oats

Pigweed*	Speedwell, purslane*
Plains/ickseed coreopsis*	Sprangletop*
Prickly lettuce*	Spurge, annual
Purslane, common	Spurge, prostrate*
Ragweed, common*	Spurge, spotted*
Ragweed, giant	Spurry, umbrella*
Red rice	Starthistle, yellow
Russian thistle	Stinkgrass*
Rye*	Sunflower*
Ryegrass*	Teaweed/Prickly sida
Sandbur, field*	Texas panicum*
Shattercane*	Velvetleaf
Shepherd's-purse*	Virginia copperleaf
Sicklepod	Virginia pepperweed*
Signalgrass, broadleaf*	Wheat*
Smartweed, ladysthumb*	Wild oats*
Smartweed, Pennsylvania*	Witchgrass*
Southistle, annual	Woolly cupgrass*
Spanishneedles	Yellow rocket

\*When using field broadcast equipment (boom sprayers using flat-fan nozzles) these species will be controlled or partially controlled. Applications must be made using 10 to 80 gallons of carrier volume per acre. Use nozzles that ensure thorough coverage of foliage and treat when weeds are in an early growth stage.

## 9.2 Perennial Weeds

Best results are obtained when perennial weeds are treated after they reach the reproductive stage of growth (seedhead initiation in grasses and bud formation in broadleaves). For non-flowering plants, best results are obtained when the plants reach a mature stage of growth. In many situations, treatments are required prior to these growth stages. Under these conditions, use the higher application rate within the range. Use 4.5 to 9.0 pounds per acre of this product as a broadcast spray to control perennial weeds. When using rates less than 9.0 pounds per acre, the level of fast-burn symptomology may be reduced.

For spray-to-wet applications, apply 1.5 ounces of this product per 1 gallon of spray solution. Ensure thorough coverage when using spray-to-wet treatments using hand-held equipment.

When using hand-held equipment for low-volume directed spot treatments, apply 4.0 to 8.0 ounces of this product per 1 gallon of spray solution.

Allow 7 or more days after application before tillage.

#### WEED SPECIES

Alfalfa*	Johnsongrass
Alligatorweed*	Kikuyugrass*
Anise (fennel)	Knapweed
Bahiagrass	Lantana
Beachgrass, European <i>(Ammophila arenaria)</i>	Lespedeza
Bentgrass*	Milkweed, common
Bermudagrass*	Muhly, wirestem
Bermudagrass, water (knotgrass)	Mullein, common
Bindweed, field	Napiergrass
Bluestem, Kentucky	Nightshade, silverleaf
Blueweed, Texas	Nutsedge; purple, yellow
Bromegrass, smooth	Orrichardgrass
Burssage, woolly-leaf	Pampasgrass
Canarygrass, red	Paragrass
Caitail	Pepperweed, perennial
Clover; red, white*	Phragmites*
Cogongrass	Poison hemlock
Dallisgrass	Quackgrass
Dandelion	Redvine*
Dock, curly	Reed, giant
Dogbane, hemp	Ryegrass, perennial
Fescue	Spurge, leafy
Fescue, tall	Thistle, artichoke
German ivy	Thistle, Canada
Guineagrass	Timothy
Horsenettle	Torpedograss*
Horseradish	Trumpetcreeper*
Iceplant	Vaseygrass
Jerusalem artichoke	Velvetgrass
	Wheatgrass, western

\*Partial Control

## 9.3 Brush Weeds and Tree Seedlings

Best results are obtained when brushweeds are treated when they are in the seedling stage of growth. In many situations, retreatment is required on larger plants. Under these conditions, use the higher application rate within the range.

Use 9.0 pounds per acre of this product as a broadcast spray to control brush weeds.

For spray-to-wet applications, apply 1.5 ounces of this product per 1 gallon of spray solution. Ensure thorough coverage when using spray-to-wet treatments using hand-held equipment.

When using hand-held equipment for low-volume directed spot treatments, apply 4.0 to 8.0 ounces of this product per 1 gallon of spray solution.

Allow 7 or more days after application before tillage.

**WEED SPECIES**

Alder	Oak, southern red
Ash*	Oak, white*
Beech*	Peppertree,
Birch	Brazilian (Florida holly)*
Blackberry	Pine
Blackgum	Poison ivy*
Cherry; bitter, black, pin	Poison oak*
Dogwood*	Poplar, yellow*
Elderberry	Redbud, eastern
Elm*	Rose, multiflora
Honeysuckle	Saltcedar*
Locust, black*	Sumac; laurel, poison, smooth, sugarbush, winged*
Maple, red	Sweetgum
Maple, sugar	Vine maple*
Oak, black*	Virginia creeper
Oak, northern pin	Waxmyrtle, southern*
Oak, post	
Oak, red	
Oak, scrub*	

\*Partial Control

EPA Reg. No. 524-535

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In case of an emergency involving this product,  
Call Collect, day or night, (314) 694-4000.

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Packed for:  
MONSANTO COMPANY  
800 N. LINDBERGH BLVD.  
ST. LOUIS, MISSOURI, 63167 U.S.A.  
©2011  
120810

MONSANTO 

## 10.0 LIMIT OF WARRANTY AND LIABILITY

Monsanto Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

To the extent consistent with applicable law, buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company to the extent consistent with applicable law, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

Certainty, Roundup QuikPRO, and Monsanto and Vine Design are trademarks of Monsanto Technology LLC. All other trademarks are the property of their respective owners.

Product of Brazil, formulated in the U.S. with U.S. Ingredients.

2021 - label - 11-15

## ATENCIÓN:

Esta etiqueta de muestra se entrega únicamente para información general.

- Este producto pesticida puede no estar todavía disponible o aprobado para la venta o utilización en su localidad.
- Usted tiene la responsabilidad de cumplir todas las leyes federales, estatales y locales, así como todas las reglamentaciones relativas a la utilización de pesticidas.
- Antes de utilizar un pesticida, asegúrese de que esté aprobado en su estado o localidad.
- Su estado o localidad puede exigir precauciones adicionales e instrucciones para la utilización de este producto que no están incluidas aquí.
- Monsanto no garantiza lo completo ni la certeza de esta etiqueta de la especie. La información encontró en esta etiqueta puede diferir de la información encontró en la etiqueta del producto. Usted debe tener consigo la etiqueta aprobada por la agencia EPA cuando utilice el producto y debe leer y respetar todas las instrucciones en la etiqueta.
- No debe basarse sobre las precauciones, las instrucciones de utilización y cualquier otra información en esta etiqueta para utilizar algún otro producto similar.
- Siempre siga las precauciones y las instrucciones para el uso en la etiqueta del pesticida que usted utiliza.

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Herbicida Roundup QuikPRO es un herbicida profesional no selectivo de acción rápida para utilizar en áreas no cultivadas y sitios industriales.

## Instrucciones completas para el uso

EVITE EL CONTACTO DE ESTE HERBICIDA CON FOLLAJE, TALLOS, RAÍCES NO LEÑOSAS EXPUESTAS O PLANTAS Y ÁRBOLES DESEABLES, YA QUE PODRÍA PRODUCIR DAÑOS GRAVES O SU DESTRUCCIÓN.

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Antes de usar este producto, lea la etiqueta en su totalidad.

Úselo solamente de acuerdo con las instrucciones de la etiqueta.

Antes de comprar o usar el producto, lea "LIMITES EN LA GARANTÍA Y EN LA RESPONSABILIDAD" en la última sección de la etiqueta. Si las condiciones son inaceptables para usted, devuelva el producto inmediatamente sin abrir el recipiente.

ESTE ES UN PRODUCTO PARA USARSE TAL Y COMO ESTA PREPARADO. MONSANTO NO LO HA DISEÑADO NI LO HA REGISTRADO PARA QUE SEA REFORMULADO NI VUELTO A ENVASAR.

## 1.0 INGREDIENTES

### INGREDIENTES ACTIVO:

\*Glifosato, N-(fisonometil)glicina,  
en forma de su sal de amonio ..... 73.3%

Dibromuro de dicuas [dibromuro de  
6,7-dihidropirido (1,2-a:2',1'-c) pirazidinio]..... 2.9%

OTROS INGREDIENTES: ..... 23.8%

100.0%

\*Equivalente a 66.6% de ácido glifosato.

1.0 libra contiene 0.73 libra de la sal de amonio de glifosato y 0.03 libra de la sal dibromuro de dicuas.

Este producto está protegido por la patente de los Estados Unidos N°. 7,008,904. Otras patentes en trámite. No se han otorgado licencias bajo ninguna patente para otros usos del producto que no sean los indicados en esta etiqueta. No se han otorgado licencias bajo ninguna patente que no sea de los Estados Unidos.

## 2.0 TELEFONO IMPORTANTES

PARA INFORMACION SOBRE EL PRODUCTO O AYUDA PARA UTILIZAR ESTE PRODUCTO, LLAME GRATIS AL 1-800-332-3111.

EN CASO DE QUE SE PRESENTE UNA EMERGENCIA RELACIONADA CON ESTE PRODUCTO, O PARA OBTENER AYUDA MEDICA, LLAME POR COBRAR A CUALQUIER HORA DEL DIA O DE LA NOCHE, AL TELEFONO (314)-694-4000.

## 3.0 ADVERTENCIAS

### 3.1 Riesgos para seres humanos y animales domésticos

Manténgase fuera del alcance de los niños.

## ¡PRECAUCION!

NOCIVO SI SE INGIERE

NOCIVO SI SE INFALTA

PROVOCAR IRRITACIÓN OCULAR MODERADA

Evite respirar el polvo o neblinas de aspiración.

Evite el contacto con los ojos y con la ropa.

Quítese la ropa contaminada y lávela antes de volver a usarla.

Después de manejar el producto, lávese a fondo con agua y jabón.

### PRIMEROS AUXILIOS

Si es ingerido	<ul style="list-style-type: none"><li>Llame a un a un médico o a un centro de envenenamientos para que le indique el tratamiento.</li><li>Si la persona puede tragar, hágale beber poco a poco un vaso de agua.</li><li>No induzca el vómito, a menos que así se lo indique el centro de envenenamientos o el médico.</li><li>No administre nada por la boca a una persona que haya perdido el conocimiento.</li><li>Un tratamiento rápido es esencial para contrarrestar la intoxicación y se debe iniciar antes de que se manifiesten las señales y síntomas de daño.</li></ul>
Si es inhalado	<ul style="list-style-type: none"><li>Saque a la persona al aire fresco.</li><li>Si la persona no respira, llame al 911 o a una ambulancia, luego administrelle respiración artificial, preferentemente boca a boca, si es posible.</li><li>Llame a un centro de envenenamientos o a un médico para que le indique el tratamiento posterior.</li></ul>
Si entra en los ojos	<ul style="list-style-type: none"><li>Mantenga abiertos los ojos y enjuáguelos lenta y cuidadosamente con agua durante 15 a 20 minutos. Si está usando lentes de contacto, quitíselos, después de que transcurran 5 minutos, y continúe enjuagando los ojos.</li><li>Llame a un centro de envenenamientos o a un médico para que le indique el tratamiento.</li></ul> <ul style="list-style-type: none"><li>Tenga a mano el envase o la etiqueta del producto cuando llame al centro de envenenamientos o al médico, o cuando vaya para que le indiquen el tratamiento.</li><li>También puede llamar por cobrar al teléfono (314) 694-4000, durante el día o la noche, para obtener información sobre el tratamiento médico de urgencia.</li><li>Este producto está identificado como herbicida Roundup QuikPRO, N° de Registro de la EPA 524-535.</li></ul>

**ANIMALES DOMÉSTICOS:** Mantenga al ganado y a las mascotas fuera de las áreas tratadas. No alimente al ganado en áreas tratadas. Este producto se considera relativamente no tóxico para los perros y otros animales domésticos; sin embargo, la ingestión de este producto o de grandes cantidades de vegetación recientemente tratada puede resultar en una irritación gastrointestinal temporal (vómitos, diarrea, cólicos, etc.). Si se observan dichos síntomas, dé al animal suficiente cantidad de líquidos para evitar la deshidratación. Si los síntomas continúan por más de 24 horas, llame al veterinario.

#### **Equipo de protección personal (PPE, por sus siglas en inglés)**

Los aplicadores y otros tratantes deben usar: Camisa de manga larga y pantalones largos, calzado protector más calcetines, y protección ocular. Deseche la ropa y otros materiales que se han contaminado pesadamente con el concentrado de este producto. Siga las instrucciones del fabricante para la limpieza/mantenimiento del PPE. De no existir dichas instrucciones para elementos lavables, utilice detergente y agua caliente. Mantenga el PPE apartado del resto de la ropa, y lávelo por separado.

#### **Recomendaciones de seguridad para el usuario**

Los usuarios deben:

- Lavarse las manos antes de comer, beber, mascar goma, usar tabaco o de usar el inodoro.
- Quitarle de inmediato la ropa si el pesticida pasa a través de la misma. Luego lavarse completamente y ponerse ropa limpia.
- Quitarle el equipo de protección personal (PPE) de inmediato, después de manipular este producto. Lavarse muy bien y ponerse ropa limpia tan pronto como sea posible.

## **3.2 Riesgos al medio ambiente**

Este producto es tóxico para los invertebrados acuáticos. No lo aplique directamente al agua, en áreas donde el agua superficial esté presente o en áreas donde haya mareas altas y bajas por debajo del nivel medio de mareas altas. No contamine el agua al lavar el equipo o al tirar el agua de lavado.

## **3.3 Riesgos de orden físico o químico**

Para mezclar, almacenar y aplicar la solución de rocio de este producto, se deben usar solamente recipientes de acero inoxidable, fibra de vidrio, plástico o recipientes de acero recubiertos internamente con plástico.

**NO MEZCLE, ALMACENE O APLIQUE ESTE PRODUCTO O SUS SOLUCIONES DE ROCIO EN RECIPIENTES O TANQUES ROCIADORES DE ACERO GALVANIZADO O DE ACERO NO RECUBIERTO (EXCEPTO SI ES ACERO INOXIDABLE).** Este producto o la solución de rocio reaccionan con el material de dichos recipientes y tanques, lo cual produce hidrógeno, que puede formar una mezcla de gases altamente combustibles. Si esta mezcla de gases entra en contacto con llamas, chispas, el soplo de un soldador, un cigarrillo encendido o cualquier otra fuente de encendido, puede inflamarse o explotar y causar heridas graves a personas.

### **INSTRUCCIONES PARA EL USO**

El uso de este producto de cualquier manera que sea inconsistente con las instrucciones dadas en la etiqueta es una violación de las leyes federales. No aplique este producto de alguna manera que entre en contacto con los trabajadores u otras personas, ya sea directamente o por medio del arrastre. Solamente los aplicadores que usan protección personal podrán estar en el área durante su aplicación. Para verificar requisitos específicos de su tribu o estado, consulte con la agencia responsable de la regulación del uso de pesticidas.

**Restricciones de ingreso:** Mantenga a todas las personas sin protección alejadas de las áreas de operación o de las áreas próximas en las que pudiera haber arrastre. Mantenga a las personas y a las mascotas fuera de las áreas tratadas hasta que la solución de rocio se haya secado.

## **4.0 ALMACENAMIENTO Y DESECHO**

Son fundamentales el almacenamiento y la eliminación adecuados de los pesticidas para evitar la exposición de las personas y el medio ambiente como consecuencia de pérdidas y derrames del producto, excedentes o desechos y actos de vandalismo. No permita que este producto contamine el agua, los alimentos de las personas y animales o las semillas por medio del almacenamiento y la eliminación.

**ALMACENAMIENTO DEL PESTICIDA:** Guarda los pesticidas lejos de los alimentos para personas, los alimentos para mascotas, los alimentos para animales, las semillas, los fertilizantes y los materiales de uso veterinario. Mantenga el envase bien cerrado para evitar derramamientos y contaminación.

**ELIMINACION DEL PESTICIDA:** Para evitar desechos, use todo el material contenido en este envase, incluyendo los residuos del enjuague, aplicándolo según las indicaciones de la etiqueta. Si no es posible evitar los desechos, ofrezca el producto restante a una planta de eliminación de desechos o a un programa de eliminación de pesticidas. Estos programas suelen ser manejados por gobiernos estatales o locales o por la industria. Todos los desechos deben seguir los procedimientos federales, estatales y locales aplicables.

**MANIPULACIÓN DEL ENVASE:** Envase no rellenable. No vuelva a usar ni a rellenar este envase. Cuando esté completamente vacío, ofrézcalo para reciclar, si existe esa opción, o deseche la bolsa en un vertedero sanitario o incinérala; o, si lo permiten las autoridades locales y estatales, quémela. Si la quema, manténgase alejado del humo.

## **5.0 INFORMACION DEL PRODUCTO**

**Descripción del producto:** Este producto es un herbicida sistémico de aplicación post-emergencia sin actividad residual en la tierra. No es selectivo y brinda un control de amplio espectro sobre muchas malezas anuales y perennes, matorrales leñosos y árboles. Está formulado como un granulado soluble en agua que contiene surfactante, y no necesita surfactante adicional. Se puede aplicar con la mayoría de los rociadores estándar después de haberlo diluido y mezclado completamente con agua según las instrucciones de la etiqueta.

**Período para la aparición de síntomas:** Este producto se desplaza por la planta desde el punto de contacto con el follaje hasta el sistema radicular y dentro de éste. En la mayoría de las malezas anuales los efectos visibles aparecen en 1 día; y en la mayoría de las malezas perennes en 2 días. El clima muy frío o nublado a continuación del tratamiento puede retardar la actividad de este producto y demorar la aparición de síntomas visuales. Los efectos visibles son la rápida aparición de color amarillo en el follaje, que avanza hasta que la vegetación que está por encima de la tierra queda toda de color marrón, y el deterioro de las partes subterráneas de la planta.

**Modo de acción:** Una de los ingredientes activos en este producto inhibe a una enzima que sólo se encuentra en las plantas y en los microorganismos y que es esencial para la síntesis de aminoácidos específicos. Un segundo ingrediente activo rompe rápidamente la integridad celular de los tejidos del follaje con el que entra en contacto, que llevan a cabo la fotosíntesis.

**Consideraciones culturales:** El control podría verse reducido si se aplica a malezas anuales o perennes que se han podado, usado para pastar o cortado y a las que no se ha permitido volver a crecer hasta la etapa de tratamiento especificada.

**Resistencia a la lluvia:** La lluvia torrencial poco después de la aplicación podrá lavar el producto del follaje y se requerirá una nueva aplicación para obtener un control adecuado de las malezas.

**Cobertura del rocio:** Para obtener mejores resultados, la cobertura del rocio debe ser completa y uniforme. No rocíe el follaje de la maleza hasta el punto de escorrimiento.

**No actividad en el suelo:** Las malezas deben haber emergido en el momento de aplicación para poder ser controladas por este producto. Las malezas que germinan de las semillas después de la aplicación no serán controladas. Las plantas que surgen de rizomas subterráneos sin raíces o raíces de perennes que aún no han emergido en el momento de la aplicación no se verán afectadas por el herbicida y continuarán creciendo.

**Tasa de aplicación anual máxima:** Las proporciones de aplicación máximas permitidas que se aplican a este producto combinado con el uso de cualquier otro herbicida que contenga el ingrediente activo glifosato, ya sea que se aplique por separado o como parte de una mezcla en tanque. Si se aplica más de un producto a base de glifosato al mismo año dentro del mismo año, debe asegurarse de que el uso total de glifosato (libras de ácido equivalentes) no excede las proporciones máximas permitidas. En el caso de usos no relacionados con cultivos, el total combinado de todos los tratamientos no debe exceder 12.25 libras de este producto (8 libras de ácido glifosato) por acre por año.

#### **ATENCIÓN**

EVITE EL CONTACTO DE ESTE HERBICIDA CON FOLLAJE, RAÍCES NO LEÑOSAS EXPUESTAS O PLANTAS Y ÁRBOLES DESEABLES, YA QUE PODRÍA PRODUCIR DAÑOS GRAVES O SU DESTRUCCIÓN. EVITE EL ARRASTRE. DEBE PROCEDERSE CON SUMA PRECAUCIÓN AL APlicAR ESTE PRODUCTO PARA EVITAR DAÑAR PLANTAS DESEABLES.

No permita que la solución del herbicida se nebulice, gotee, sea arrastrada o salpique sobre la vegetación deseable. Una cantidad pequeña puede ser suficiente para causar daños graves o destruir las plantas deseables u otras áreas que no se desea tratar. La probabilidad de que ocurran daños por el uso de este producto aumenta cuando hay muchas ráfagas de viento, a medida que aumenta la velocidad del viento, cuando la dirección del viento cambia constantemente o cuando existen otras condiciones meteorológicas que favorecen la dispersión del rocio. Cuando se esté aplicando el producto con un rociador, evite la combinación de presiones y tipos de boquilla que puedan dar como resultado salpicaduras o partículas finas (niebla), que tienen muchas probabilidades de que el producto sea arrastrado. EVITE LA APLICACIÓN A ALTA VELOCIDAD O PRESIÓN EXCESIVAS.

**NOTA:** El uso de este producto de cualquier forma que no esté indicada en la etiqueta podría producir lesiones a personas y animales o daños a plantas deseables, así como otras consecuencias imprevistas. Mantenga el envase cerrado para evitar derrames y contaminación.

## **6.0 MEZCLA**

Mezcle sólo la cantidad de solución que se debe aplicar durante un período de 1 día. El uso de solución remanente reducirá la actividad visual pero no la eficacia.

Limpie las piezas del rociador inmediatamente después de su utilización lavándolas bien con agua.

**NOTA:** EL RENDIMIENTO DEL PRODUCTO PODRÍA REDUCIRSE SI SE UTILIZA AGUA CON SEDIMENTOS DE TIERRA COMO SUSTANCIA VEHICULAR. NO MEZCLE ESTE PRODUCTO CON AGUA VISIBLEMENTE EMBARRADA O AGUA NO TRANSPARENTE DE ESTANQUES O ACEQUIAS.

Tenga cuidado para evitar el reflujo en la fuente portadora. Utilice aparatos aprobados contra el reflujo en lugares donde lo exijan las normas locales o estatales. Durante la mezcla y aplicación, se puede formar espuma en la solución de rocio. Para prevenir o minimizar la formación de espuma, evite el uso de agitadores mecánicos, cierre las tuberías de retorno y de paso en la parte posterior del tanque, y en caso de que sea necesario, utilice un agente aprobado antiespuma o que elimina la espuma.

## 6.1 Mezcla en tanque

Este producto no proporciona control de malezas residuales. Este producto puede mezclarse en un tanque con otros herbicidas para lograr el control de malezas residuales, un espectro de control de malezas más amplio o un modo de acción alternativo. Lea y siga las indicaciones incluidas en las etiquetas individuales, etiquetas suplementarias y Fichas de datos de todos los productos de la mezcla de tanque, así como las precauciones y limitaciones indicadas en la etiqueta, incluidas las restricciones en el tiempo de aplicación, restricciones del suelo y uso según las precauciones más restrictivas para cada producto de la mezcla de tanque. Siempre determine previamente la compatibilidad de todos los productos de la mezcla de tanque juntos en la sustancia vehicular, mezclando antes pequeñas cantidades proporcionales.

El comprador y todos los usuarios son responsables de cualquier pérdida o daño en relación con el uso o manipulación de las mezclas de este producto con herbicidas u otros materiales que no se indican expresamente en esta etiqueta. La mezcla de este producto con herbicidas u otros materiales no indicados en esta etiqueta puede dar como resultado una reducción en el rendimiento del producto.

## 6.2 Procedimiento para la preparación de la solución de rocio

Utilice el siguiente procedimiento para mezclar este producto sólo con agua o cuando prepare mezclas para tanque con otros productos indicados en la etiqueta.

1. Coloque una canasta de remojo o criba de hilos de 20 a 35 sobre el puerto de llenado.
2. A través de la criba, llene el tanque del rociador por la mitad con agua y comience a agitar.
3. Agregue el herbicida Roundup QuikPRO realizando un movimiento circular mientras lo vierte.
4. Si el segundo producto es un polvo mezclable con agua, primero haga una pasta con el portador de agua, luego agregue LENTAMENTE la pasta a través de la criba dentro del tanque. Continúe agitando.
5. Si se usa una formulación fluida, mezcle previamente una parte fluida con una parte de agua. Agregue la mezcla diluida LENTAMENTE a través de la criba dentro del tanque. Continúe agitando.
6. Si se usa un concentrado emulsionable, mezcle previamente una parte del concentrado emulsionable con dos partes de agua. Agregue LENTAMENTE la mezcla diluida a través de la criba en el tanque. Continúe agitando.
7. Continúe llenando el tanque del rociador con agua y agregue líquidos solubles en agua cerca del final del proceso de llenado.

Al mezclar este producto en un tanque con otros productos, agite bien durante todo el tiempo hasta que el contenido del tanque sea rociado. Si se deja que la mezcla para rociar se asiente, agite bien para que la mezcla vuelva a estar en suspensión antes de continuar con el rociado.

A fin de minimizar la formación de espuma, mantenga las tuberías de retorno lo más cerca del fondo del tanque. La malla de la rejilla en la boquilla o en los coladores de las mangueras no debería ser de menos de 50 hilos.

Siempre determine previamente la compatibilidad entre la mezcla para el tanque y el agua, según la etiqueta de este producto. Mezcle previamente cantidades pequeñas proporcionales.

## 6.3 Mezcla para rociadores de mano

Prepare el volumen deseado de solución de rocio agregando la cantidad de este producto indicada en la tabla siguiente a un rociador limpio vacío. Agregue la cantidad adecuada de agua y revuelva o agite para asegurar la disolución de este producto. Para obtener los mejores resultados cuando se usan rociadores con mochila, mezcle la cantidad de este producto indicada en la etiqueta con la cantidad de agua especificada en un recipiente grande. Llene el rociador con la solución de la mezcla.

### Solución de rocio

Cantidad de herbicida Roundup QuikPRO				
Volumen Conveniente	Anuales	Perennes	Matorrales	Bajo-volumen dirigido
1 Gal	1.2 oz	1.5 oz	1.5 oz	4.0 oz a 8.0 oz
3 Gal	3.6 oz	4.5 oz	4.5 oz	12.0 oz a 1.5 lb
10 Gal	12.0 oz	15.0 oz	15.0 oz	2.5 lb a 5.0 lb

## 6.4 Colorantes o tinturas

A este producto se le pueden agregar colorantes o tinturas para marcar, sin embargo pueden reducir su rendimiento, especialmente a bajas concentraciones del producto o a bajas diluciones. Use colorantes o tinturas según las indicaciones del fabricante. Algunos colorantes azules no son estables en la solución de rocio en presencia de este producto. Se recomienda una prueba de probeta ("jar test") para determinar si el colorante azul deseado es estable. Si la estabilidad es un problema, considere cambiar a un colorante de color alternativo.

## 6.5 Aditivos para controlar el arrastre

Se pueden utilizar aditivos que ayuden a controlar el arrastre con todo tipo de equipo. Al utilizar un aditivo para controlar el arrastre, lea y cumpla meticulosamente con las cláusulas preventivas y toda la demás información que aparece en la etiqueta del aditivo.

## 7.0 EQUIPOS Y TECNICAS PARA LA APPLICACION

### MANEJO DEL ARRASTRE POR ROCIO

EVITE EL ARRASTRE. DEBE PROCEDERSE CON SUMA PRECAUCION AL APlicAR ESTE PRODUCTO PARA EVITAR DAÑAR PLANTAS DESEABLES.

Evitar el arrastre del rocio en el lugar de aplicación es responsabilidad del aplicador y del agricultor. La interacción de numerosos factores relacionados con los equipos y las condiciones meteorológicas determina el potencial de arrastre del rocio. El aplicador y el agricultor son responsables de tener en cuenta todos estos factores antes de tomar una decisión.

No aplique este producto por aire.

No use ningún sistema de irrigación para aplicar este producto.

No permita que la solución del herbicida se nebulice, gotee, sea arrastrada o salpique sobre la vegetación deseable. Una cantidad pequeña puede ser suficiente para causar daños graves o destruir las plantas deseables u otras áreas que no se desea tratar.

APlique estas soluciones de rocio utilizando equipos debidamente mantenidos y calibrados que sean capaces de rociar el volumen deseado.

## 7.1 Equipo de aplicación al voleo terrestre

Use las proporciones de este producto indicadas en la etiqueta en 10 a 80 galones de agua por acre para aplicaciones al voleo a menos que se indique de otra manera en esta etiqueta o en etiquetas suplementarias separadas o en las Fichas de datos publicadas para este producto. A medida que la densidad de las malezas aumenta, el volumen de rocio se debe aumentar también para conseguir una cobertura completa, pero siempre dentro de los límites indicados en la etiqueta. A fin de evitar un rocio muy fino, seleccione la boquilla cuidadosamente. Para obtener mejores resultados con equipo a nivel del terreno, use boquillas tipo abanico plano. Asegúrese de que las gotas del rocio se distribuyan uniformemente.

## 7.2 Equipo de mochila o de mano

Aplique al follaje de la vegetación a ser controlada en una aplicación donde se rocia hasta mojar, no rociar al punto de escumamiento. Para mejores resultados, asegúrese de que la cobertura del rocio sea uniforme y completa. Utilizar sólo rociadores gruesos.

Para el control de las malezas enumeradas en la sección de Malezas anuales de la sección MALEZAS CONTROLADAS, aplique 1.2 onzas de este producto por 1 galón de solución de rocio. Vea la tabla incluida en la sección Mezcla para rociadores de mano para volúmenes de mezcla más grandes.

Para obtener mejores resultados, utilice 1.5 onzas de este producto por 1 galón de solución de rocio en plantas perennes más difíciles de controlar, como *Cynodon dactylon* (bermudagrass), *Rumex spp.* (dock), *Convolvulus arvensis* (field bindweed), *Apocynum cannabinum* (hemp dogbane), *Asclepias spp.* (milkweed) y *Cirsium arvense* (Canada thistle). Consulte la tabla en la sección, Mezcla para rociadores de mano para volúmenes de mezcla más grandes.

En aplicaciones de rocio dirigido de bajo-volumen, use de 4.0 a 8.0 onzas de este producto por 1 galón de solución de rocio, para el control o el control parcial de matorrales. Consulte la tabla en la sección Mezcla para rociadores de mano para volúmenes de mezcla más grandes. La cobertura del rocio debe ser uniforme y debe entrar en contacto con el 50 por ciento del follaje por lo menos. Para obtener mejores resultados, es importante cubrir la mitad superior de la planta. Para asegurar que el rocio alcance una cobertura adecuada, rocie ambos lados de las plantulas de los matorrales las y plantas que han crecido de las semillas de los árboles cuando el follaje esté tupido y espeso, o donde haya múltiples brotes.

## 7.3 Equipo de aplicación por goteo controlado

La tasa de este producto aplicada por acre por el equipo de aplicación por goteo controlado (AGC) no debe ser menos que la cantidad indicada en esta etiqueta cuando se aplica por un equipo al volteo convencional. Cuando se usa el equipo aplicador por goteo controlado montado en un vehículo, use de 3 a 15 galones de agua por acre. Para las unidades de mano del AGC, aplique una solución de 1.5 a 2 libras de este producto en un galón de agua en un caudal de 2 onzas fluidas por minuto y una velocidad de caminado de 0.75 milla por hora.

Los equipos del AGC producen un rocio que es difícil de ver. Se debe tener especial cuidado para evitar que el rocio o el arrastre entre en contacto con el follaje o cualquier otra parte verde de la vegetación deseable, ya que en caso contrario, es probable que ésta sea dañada o destruida.

## 8.0 RECOMENDACIONES SEGUN AREAS Y USO

A menos que se especifique lo contrario, pueden realizarse aplicaciones para controlar las malezas enumeradas en las tablas de malezas anuales, perennes y maltores y semillas de árboles.

### 8.1 Áreas no cultivadas y áreas industriales

Utilice solamente en áreas que no se usen para cultivos: aeropuertos, complejos de viviendas, centros comerciales, áreas del Programa de Reservas y Conservación (Conservation Reserve Program CRP), cunetas, caminos de entrada de automóviles, cunetas secas, canales secos, línea de cerca, campos de golf, terrenos industriales, áreas paisajísticas, depósitos de madera, sitios de fabricación, sitios municipales, áreas naturales, complejos de oficinas, áreas ornamentales, parques, áreas de estacionamiento, áreas recreativas, áreas residenciales, servidumbres de paso, lados de carreteras, escuelas, complejos deportivos, áreas de depósitos, áreas de almacenamiento y áreas de preservación de vida silvestre.

Este producto no debe usarse en cultivos agrícolas, cultivos de árboles para madera, otras plantas que se cultivan para vender, otros usos comerciales o para la producción comercial de semillas. Este producto no debe usarse para investigación.

#### Control de malezas, recortes y bordes y suelo limpio de malezas

Utilice este producto en áreas no cultivadas. Aplique con cualquiera de los equipos descritos en esta etiqueta.

Puede usarse para el recorteado de bordes alrededor de objetos en áreas no cultivadas, para tratamiento localizado de vegetación no deseable y para eliminar las malezas no deseables que crecen en cuadros de arbustos establecidos y plantaciones ornamentales. Este producto puede usarse antes de plantar un área con plantas ornamentales, flores, césped (tepes o semillas), o antes de colocar asfalto o de comenzar un proyecto de construcción. Este producto no se debe usar en plantas que se cultivan para la venta u otro uso comercial, ni para la producción de semillas comerciales. Pueden hacerse aplicaciones repetidas de este producto a medida que emergen las malezas para mantener el suelo limpio de malezas.

Cuando en esta etiqueta se recomienda una mezcla de tanque con un ingrediente activo genérico como 2,4-D, o pendimathalin, el usuario asume la responsabilidad de asegurarse de que la aplicación específica que está preparando está incluida en la etiqueta del producto que está utilizando en la mezcla de tanque. Este producto puede ser mezclado en el tanque con los productos siguientes. Refiérase a las etiquetas de estos productos para los sitios aprobados de las áreas no cultivadas y las proporciones de uso.

BANVEL	PENDULUM 3.3 EC
BARRICADE 65WG	PENDULUM WDG
CERTAINTY®	RONSTAR 50 WP
DIMENSION 4 EC	SURFLAN
ENDURANCE	2,4-D
PENDIMETHALIN	

Cuando es aplicado como mezcla para el suelo limpio de malezas, el herbicida Roundup QuikPRO proporciona el control de las malezas anuales emergentes y el control o control parcial de las malezas perennes emergentes.

#### Césped durmiente

Use este producto para controlar o suprimir muchas malezas anuales de invierno y tall fescue (*Festuca arundinacea*) para el alivio eficaz de céspedes de bermudagrass y bahiagrass durmientes. Trate solamente cuando el césped esté durmiente y antes de reverdecer en la primavera. Este producto no se debe usar en césped que se cultive para la venta u otro uso comercial como tepes, ni para la producción de semillas comerciales, ni con fines de investigación.

Aplique entre 5 y 16 onzas de este producto por acre. Aplique las proporciones indicadas en la etiqueta en 10 a 80 galones de agua por acre. Utilícelo sólo en áreas donde bermudagrass o bahiagrass sean coberturas de terreno deseables y donde pueda tolerarse algún daño temporal o decoloración.

Los tratamientos que superen las 9 onzas por acre pueden dar como resultado el daño o la demora para verdear en áreas muy conservadas, como campos de golf o céspedes.

#### Renovación de césped (Excepto en plantaciones comerciales de tepes)

Este producto controla la mayoría de la vegetación existente antes de la renovación de áreas de césped. Este producto no se debe usar en césped que se cultive para la venta u otro uso comercial como tepes, ni para la producción de semillas comerciales,

ni con fines de investigación. Para lograr el máximo control de la vegetación existente, postergue la siembra o la cobertura con césped de un terreno para determinar si se produjo algún rebrote a partir de partes subterráneas de plantas que se salvaron. En las áreas donde sea necesario repetir los tratamientos, debe haber suficiente crecimiento antes de la aplicación. No use este producto para la renovación de céspedes de las especies *Cynodon dactylon* (bermudagrass) y *Pennisetum clandestinum* (kikuyugrass). En los lugares donde la vegetación existente crece bajo un manejo de corte periódico, aplique este producto después de omitir al menos una siega habitual de modo que crezca lo suficiente para que el rocio actífe con eficacia.

No perturbe la tierra o las partes subterráneas de las plantas antes de realizar el tratamiento. Las técnicas de labranza o renovación como segado vertical, ahuecamiento o rebano deberían retrasarse por 7 días después de la aplicación para que se produzca el correcto traslado del producto a las partes subterráneas de la planta.

Pueden plantarse los céspedes deseados siguiendo los procedimientos anteriormente mencionados.

Puede utilizarse un equipo de mano para el tratamiento localizado de vegetación no deseada que crezca en el césped existente.

No pastoree ni alimente al ganado con el césped tratado, ni lo alimente con paja de heno tratado.

## 8.2 Parques, áreas recreativas y residenciales

Este producto puede usarse en parques, áreas recreativas y residenciales. Aplique este producto con cualquiera de los equipos descritos en esta etiqueta. Use este producto para el recortado de bordes alrededor de árboles, vallas, caminos, alrededor de edificios, aceras y otros objetos en estas áreas. Este producto puede usarse para tratamiento localizado de vegetación no deseable o para eliminar las malezas no deseables que crecen en lechos de arbustos establecidos y plantaciones ornamentales. Este producto puede usarse antes de plantar un área con plantas ornamentales, flores, césped (tepes o semillas), o antes de colocar asfalto o de comenzar un proyecto de construcción.

Todas las instrucciones de la sección Áreas no cultivadas y Áreas industriales son válidas para los parques y áreas recreativas. Este producto no se debe usar alrededor de plantas que se cultivan para la venta ni para otro uso comercial.

## 9.0 TIPOS DE MALEZAS CONTROLADAS

Use siempre la proporción más alta de este producto por acre, dentro de las proporciones, cuando las malezas son densas o cuando crecen en un área no tocada (no cultivada). Puede haber una disminución de los resultados cuando se traten malezas cubiertas con mucho polvo. Para las malezas que han sido segadas, pastadas o cortadas, permita que vuelvan a crecer antes del tratamiento. Refiérase a las secciones siguientes para las proporciones para el control de malezas anuales y perennes. Para las malezas perennes difíciles de controlar y donde las plantas están creciendo bajo condiciones agresivas, o donde hay infestación intensa, este producto se puede usar en una concentración de hasta a 12.25 libras por acre para obtener mejores resultados.

### 9.1 Malezas anuales

Use de 2.25 a 4.5 libras por acre de este producto para aplicación al volteo para controlar malezas anuales. Cuando se utilizan proporciones menores de 4.5 libras por acre, el nivel de síntomatología de quemado rápido podría reducirse.

Para aplicaciones de rocio para mojar, aplique 1.2 onzas de este producto por 1 galón de solución de rocio.

#### ESPECIES DE MALEZAS

Anoda, spurred	Dwarf dandelion*
Barley*	Eastern manna grass*
Barnyardgrass*	Eclipta*
Bassia, fivehook	Fall panicum*
Bittercress*	Falsedandelion*
Black nightshade*	Falselax, smallseed*
Bluegrass, annual*	Fiddleneck
Bluegrass, bulbous*	Field pennycress*
Brome, downy*	Filaria
Brome, Japanese*	Fleabane, annual*
Browntop panicum*	Fleabane, hairy
Buttercup*	( <i>Conyza bonariensis</i> )*
Carolina foxtail*	Fleabane, rough*
Carolina geranium	Florida pusley
Castor bean	Foxtail*
Cheatgrass*	Goatgrass, jointed*
Cheeseweed	Goosegrass
( <i>Malva pavilloria</i> )	Grain sorghum (milo)*
Chervil*	Groundsel, common*
Chickweed*	Hemp sesbania
Cocklebur*	Henbit
Copperleaf,	Horseweed/Marestail
hop hornbeam	( <i>Conyza canadensis</i> )
Corn*	Itchgrass*
Corn speedwell*	Johnsongrass, seedling
Crabgrass*	

Junglerice	Shepherd's-purse*
Knotweed	Sicklepod
Kochia	Signalgrass, broadleaf*
Lambsquarters*	Smartweed, ladysthumb*
Little barley*	Smartweed, Pennsylvania*
London rocket*	Sowthistle, annual
Mayweed	Spanishneedles
Medusahead*	Speedwell, purslane*
Morningglory ( <i>Pomoea spp.</i> )	Sprangletop*
Mustard, blue*	Spurge, annual
Mustard, lansy*	Spurge, prostrate*
Mustard, umbel*	Spurge, spotted*
Mustard, wild*	Spurry, umbrella*
Oats	Starthistle, yellow
Pigweed*	Stinkgrass*
Plains/tickseed coreopsis*	Sunflower*
Prickly lettuce*	Teaweed/Prickly sida
Purslane, common	Texas panicum*
Ragweed, common*	Velvetleaf
Ragweed, giant	Virginia copperleaf
Red rice	Virginia pepperweed*
Russian thistle	Wheat*
Rye*	Wild oats*
Ryegrass*	Witchgrass*
Sandbur, field*	Woolly cupgrass*
Shattercane*	Yellow rocket

\*Cuando use equipos de aplicación al voleo a nivel del terreno (raciadores de agujón con boquillas tipo abanico plano), estas especies serán controladas o controladas parcialmente. Las aplicaciones deben hacerse usando de 10 a 80 galones de volumen por acre. Use boquillas que garanticen una cobertura completa del follaje y haga el tratamiento cuando las malezas estén en su etapa temprana de crecimiento.

## 9.2 Malezas perennes

Los mejores resultados se obtienen cuando se trata a las malezas perennes después de que alcanzan la etapa reproductiva (inicio de formación de semillas en hierbas y formación de yemas en malezas de hoja ancha). En las plantas sin flores, los mejores resultados se obtienen cuando las plantas alcanzan la madurez. En muchas situaciones, es necesario realizar tratamientos antes de esas etapas. En esas condiciones, use la dosis de aplicación más alta dentro del rango.

Use de 4.5 a 9.0 libras por acre de este producto para aplicación al voleo para controlar malezas perennes. Cuando se utilizan proporciones menores de 9.0 libras por acre, el nivel de sintomatología de quemado rápido podría reducirse. Para las aplicaciones de rocio para mojar, aplique 1.5 onzas de este producto por 1 galón de solución de rocio. Asegúrese de lograr una cobertura completa cuando efectúe tratamientos de rocio para mojar mediante un equipo de mano.

Cuando utilice un equipo de mano para tratamientos localizados dirigidos de bajo-volumen, aplique de 4.0 a 8.0 onzas de este producto por 1 galón de solución de rocio.

Espere 7 días o más después de la aplicación antes de labrar.

### ESPECIES DE MALEZAS

Alfalfa*	Johnsongrass
Alligatorweed*	Kikuyugrass*
Anise (fennel)	Knapweed
Bahiagrass	Lantana
Beachgrass, European ( <i>Ammophila arenaria</i> )	Lespedeza
Bentgrass*	Milkweed, common
Bermudagrass*	Muhly, wirestem
Bermudagrass, water (knolgrass)	Mullein, common
Bindweed, field	Napiergrass
Bluegrass, Kentucky	Nightshade, silverleaf
Blueweed, Texas	Nutsedge; purple, yellow
Bromegrass, smooth	Orchardgrass
Bursage, woolly-leaf	Pampasgrass
Canarygrass, reed	Paragrass
Cattail	Pepperweed, perennial
Clover; red, white*	Phragmites*
Cogongrass	Poison hemlock
Dallisgrass	Quackgrass
Dandelion	Redvine*
Dock, curly	Reed, giant
Dogbane, hemp	Ryegrass, perennial
Fescue	Spurge, leafy*
Fescue, tall	Thistle, artichoke
German ivy	Thistle, Canada
Guineagrass	Timothy
Horsenettle	Torpedograss*
Horseradish	Trumpet creeper*
Iceplant	Vaseygrass
Jerusalem artichoke	Velvetgrass
	Wheatgrass, western

\*Control Parcial

## 9.3 Matorrales y plántulas de árboles

Los mejores resultados se obtienen cuando los matorrales se tratan en la etapa de plántula. En muchas ocasiones es necesario volver a tratar las plantas más grandes. Bajo esas condiciones, use las proporciones de aplicación más alta dentro del rango.

Para controlar matorrales use 9.0 libras por acre de este producto en forma de aplicación al voleo.

Para aplicaciones de rocio para mojar, aplique 1.5 onzas de este producto por 1 galón de solución de rocio. Asegúrese de lograr una cobertura completa cuando efectúe tratamientos de rocio para mojar mediante un equipo de mano.

Cuando utilice un equipo de mano para tratamientos localizados dirigidos de bajo-volumen, aplique de 4.0 a 8.0 onzas de este producto por 1 galón de solución de rocio.

Espere 7 días o más después de la aplicación antes de labrar.

### ESPECIES DE MALEZAS

Alder	Oak, southern red
Ash*	Oak, white*
Beech*	Peppertree,
Birch	Brazilian
Blackberry	(Florida holly)*
Blakgum	Pine
Cherry; bitter, black, pin	Poison ivy*
Dogwood*	Poison oak*
Elderberry	Poplar, yellow*
Elm*	Redbud, eastern
Honeysuckle	Rose, multiflora
Locust, black*	Saltcedar*
Maple, red	Sumac; laurel,
Maple, sugar	poison, smooth,
Oak, black*	sugarbush, winged*
Oak, northern pin	Sweetgum
Oak, post	Vine maple*
Oak, red	Virginia creeper
Oak, scrub*	Waxmyrtle, southern*

\*Control parcial

## 10.0 LIMITES EN LA GARANTIA Y EN LA RESPONSABILIDAD

Monsanto Company garantiza que este producto concuerda con la descripción química de la etiqueta y es razonablemente adecuado para los propósitos descritos en el libro titulado Instrucciones Completas para el Uso ("Instrucciones") cuando se usa de acuerdo con dichas Instrucciones y las condiciones que allí se detallan.

NO SE HACE NINGUNA OTRA GARANTIA EXPRESA O IMPLICITA ACERCA DE LA IDONEIDAD PARA UN USO PARTICULAR O COMERCIALIDAD.

Esta garantía está sujeta también a las condiciones y limitaciones que aquí se indican.

Hasta el grado en que sea compatible con la legislación pertinente, el comprador y todos los usuarios deberán notificar inmediatamente a esta Compañía acerca de cualquier reclamo que se base en un contrato, negligencia, estricta responsabilidad u otros derechos extracontractuales.

Hasta el grado en que sea compatible con la legislación pertinente, el comprador y todos los usuarios son responsables por todas las pérdidas o daños que resultasen por el uso o manipulación en condiciones que estén más allá del control de esta Compañía, incluyendo pero no limitándose a: incompatibilidad con productos que no sean los señalados en las Instrucciones, aplicación o contacto con vegetación deseable, condiciones climáticas inusuales, condiciones de clima que estén fuera de los límites que se consideran normales en el lugar de la aplicación y para el período de tiempo en el cual se aplica, así como condiciones de clima que estén fuera de los límites indicados en las Instrucciones, aplicaciones que no estén explícitamente aconsejadas en las Instrucciones, condiciones de humedad que estén fuera de los límites establecidos en las Instrucciones, o la presencia de productos en la tierra o sobre ella, en las culturas o en la vegetación que se está tratando, diferentes a los indicados en las Instrucciones.

Monsanto Company no garantiza ninguno de los productos reformulados o reempacados de este producto, excepto de acuerdo a los requisitos de la administración de esta Compañía y con el permiso escrito expreso de esta Compañía.

HASTA EL GRADO EN QUE SEA COMPATIBLE CON LA LEGISLACIÓN PERTINENTE, LA ÚNICA Y EXCLUSIVA COMPENSACIÓN AL USUARIO O COMPRADOR Y EL LÍMITE DE RESPONSABILIDAD DE ESTA COMPAÑÍA O DE CUALQUIER OTRO VENDEDOR POR CUALQUIER PÉRDIDA O POR TODAS LAS PÉRDIDAS, PERJUICIOS O DAÑOS QUE RESULTASEN DEL USO O MANEJO DE ESTE PRODUCTO (INCLUYENDO RECLAMOS QUE SE BASEN EN UN CONTRATO, NEGLIGENCIA, ESTRICTA RESPONSABILIDAD Y, U OTROS DERECHOS EXTRACONTRACTUALES) SERÁ EL PRECIO PAGADO POR EL USUARIO O EL COMPRADOR POR LA CANTIDAD INVOLUCRADA DE ESTE PRODUCTO, O A ELECCIÓN DE ESTA COMPAÑÍA O DE OTRO VENDEDOR, EL REEMPLAZO DE DICHA CANTIDAD, O SI O SE OBTUVO MEDIANTE COMPRA SE REEMPLAZARÁ DICHA CANTIDAD DEL PRODUCTO.

HASTA EL GRADO EN QUE SEA COMPATIBLE CON LA LEGISLACIÓN PERTINENTE, EN NINGÚN CASO ESTA COMPAÑÍA U OTRO VENDEDOR SERÁN RESPONSABLES POR DAÑOS INCIDENTALES, CONSECUENTES O ESPECIALES.

En el momento de abrir y usar el producto, se asume que el comprador y todos los usuarios han aceptado las condiciones de los LIMITES EN LA GARANTIA Y EN LA RESPONSABILIDAD que no pueden variar por medio de ningún acuerdo verbal o escrito. Si las condiciones son inaceptables, devuelva el producto inmediatamente sin abrir el recipiente.

Certainty, Roundup QuikPRO y Monsanto y el símbolo de la vid son marcas registradas de Monsanto Technology LLC. Todas las otras marcas registradas son propiedad de sus respectivos dueños.

Producto de Brasil; formulado en EE.UU. con ingredientes de los EE.UU.

Registro en la EPA Nº 524-535

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En caso de que se presente una emergencia relacionada con este producto, llame por cobrar a cualquier hora del día o de la noche, al teléfono (314)-694-4000.

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Envasado por:  
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