

GLUFOSINATE-AMMONIUM

GROUP

10

HERBICIDE



ferti·lome<sup>®</sup>

# DECIMATE<sup>™</sup>

## Weed & Grass Killer

- For Nonselective Weed Control of Emerged Weeds on Labeled Sites

**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.)

**ACTIVE INGREDIENTS:**

Glufosinate ammonium\* .....24.5%\*\*

**OTHER INGREDIENTS:**..... 75.5%

**TOTAL:** ..... 100.00%

\*CAS Number 77182-82-2

\*\*Equivalent to 2.34 pounds of active  
ingredient per U.S. gallon.

**NET CONTENTS ONE PINT (16 FL. OZS. / 473 ML)**

fertiome® Weed & Grass Killer

### FIRST AID

<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 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 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 by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on product use, etc., call the National Pesticides Information Center (NPIC) at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.

**NOTE TO PHYSICIAN:** If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible followed by charcoal and sodium sulfate administration.

Manufactured For:



230 FM 87

BONHAM, TEXAS 75418

EPA Reg. No. 87290-41-7401

EPA Est. No. 7401-TX-01



PEEL BACK BOOK HERE 

Manufactured For:



230 FM 87 • BONHAM, TX 75418

EPA Reg. No. 87290-41-7401

EPA Est. No. 7401-TX-01

Product Questions? 855-270-4776

11261-0120-REG5



## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if swallowed. **DO NOT** get in eyes or on clothing. Avoid contact with skin.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton<sup>®</sup>  $\geq$  14 mils
- Shoes and socks
- Protective eyewear (goggles, face shield or safety glasses)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. 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.

Mixers/loaders supporting aerial applications must wear a minimum of a NIOSH-approved filtering face piece respirator with any N filter (TC-84A). You can also use other NIOSH approved particulate respirators that offer more protection. For more information, see [www.epa.gov/pesticide-respirators](http://www.epa.gov/pesticide-respirators).

## USER SAFETY RECOMMENDATIONS

### Users should:

- Wash hands thoroughly with soap 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.

## ENGINEERING CONTROL STATEMENT

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

## ENVIRONMENTAL HAZARDS

**DO NOT** apply directly to water, or to areas where surface water is present. **DO NOT** apply to intertidal areas below the mean high water mark. **DO NOT** contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

This pesticide is toxic to vascular plants and must be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposures.

Under some conditions, this product may have a potential to run off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, including no till, limited till and contour plowing. These methods also reduce pesticide run-off. Use vegetation filter strips along rivers, creeks, streams, wetlands, etc., or on the downhill side of fields where run-off could occur to minimize water run-off.

### **PHYSICAL OR CHEMICAL HAZARDS**

**DO NOT** use with or store near oxidizing agents since hazardous chemical reaction may occur.

### **DIRECTIONS FOR USE**

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

**DO NOT** use this product 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.

**In the State of New York Only: Not For Use In Nassau and Suffolk Counties.**

## **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 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 worn over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, or Viton<sup>®</sup>  $\geq$  14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles, face shield or safety glasses)

### **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. The application for trimming and edging, industrial, recreational and public areas, and farmsteads are not within the scope of the WPS.

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



## MANDATORY SPRAY DRIFT MITIGATION

- When making applications via aerial application equipment, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- When making applications via aerial application equipment, applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.
- For aerial applications, do not release spray at a height greater than 10 ft above the target canopy, unless a greater application height is necessary for pilot safety.
- For ground applications and aerial applications, select nozzle and pressure that deliver medium to coarse spray droplets as indicated in nozzle manufacturer's catalogues and in accordance with ASABE Standard 572.1.
- Spray at the appropriate boom height based on nozzle selection and nozzle spacing, but do not exceed a boom height of 24 inches above target pest or target canopy. Set boom to lowest effective height over the target pest or target canopy based on equipment manufacturer's directions. Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the potential for spray drift.
- For non-crop vegetation management ground applications, apply with the nozzle height no more than 4 feet above the ground or target vegetation, unless necessitated by the application equipment. Examples would include roadside, railroad, utility rights of way, forestry and other industrial vegetation management applications where safety or natural barriers obstruct application.

## **SPRAY DRIFT ADVISORIES**

### **POLLINATOR ADVISORY STATEMENT**

This product contains an herbicide. Follow all label directions and precautions to minimize potential off-target exposure in order to prevent effects to non-target plants adjacent to the treated site which may serve as habitat or forage for pollinators.

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

### **IMPORTANCE OF DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!** See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

### **Controlling Droplet Size – Ground Boom**

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. **WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

## **SPRAY DRIFT ADVISORIES Continued**

### **Controlling Droplet Size – Aircraft**

- Number of Nozzles - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations. **AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.**
- Nozzle Type - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- Boom Length - Longer booms increase drift potential. Therefore, a shorter boom length is recommended.
- Application Height - Application more than 10 ft. above the canopy increases the potential for spray drift.

### **BOOM HEIGHT**

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **DRIFT REDUCTION TECHNOLOGY (DRT)**

The EPA Drift Reduction Technology (DRT) Program was developed to encourage the manufacture, marketing, and use of spray technologies scientifically verified to significantly reduce pesticide drift. The use of DRTs should result in significantly less pesticide from spray applications drifting and being deposited in areas not targeted by those applications, compared to spray technologies that do not meet the minimum DRT standard. EPA-verified drift reduction technologies (DRTs) and their ratings will be added to the following webpage as they become available: <https://www.epa.gov/reducing-pesticide-drift/epa-verified-and-rated-drift-reduction-technologies>

## **SPRAY DRIFT ADVISORIES Continued**

### **WIND**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. **AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.**

Note: Local terrain can influence wind patterns. Every applicator needs to be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

## **PRODUCT INFORMATION**

This product is a nonselective water-soluble herbicide for application as a foliar spray for the control of a broad spectrum of emerged annual and perennial grass and broadleaf weeds. This product will also control certain woody species. Plants that have not yet emerged at the time of application will not be controlled. THOROUGH SPRAY COVERAGE IS IMPORTANT. Visual effects and control from application of this product occur within 2 to 4 days after application under good growing conditions.

This product is nonselective and will injure or kill all green vegetation contacted by the spray. Avoid all contact with foliage or green tissue of desirable vegetation. Avoid direct spray contact with green, thin, or uncalloused bark of desirable vegetation or plant injury may result. If desirable vegetation is contacted, rinse the sprayed portion with water immediately.

This product works best when weeds are actively growing. Weed control may be reduced when applications are made to weeds under stress due to drought or cool temperatures. Weeds under stress or in dense populations will require application at the highest rate specified. Refer to the How to Apply section of this label.

## **USE SITES AND APPLICATION DIRECTIONS**

When applied as specified in this label, this product controls undesirable vegetation in the areas listed below. Refer to the How to Apply section of this labeling for specific rates and a list of weeds controlled. Applications may be made on a broadcast, banded or spot treatment basis depending on the situation. Avoid direct spray or drift to desirable vegetation. Regrowth may occur due to the weed stage of growth at application, low use rate, or environmental conditions. Repeat treatments may be necessary to control plants generating from underground parts or seed.

Applications may be made to: airfields, airports, alleys, lanes, paths, trails, access roads, around commercial or industrial structures or outbuildings, around farm and ranch structures and outbuildings, around ornamental gardens, around ornamental trees and shrubs (including Christmas trees), bare ground, beaches\*, campgrounds, construction sites, ditch banks, drive-in theaters, driveways and ramps, dry ditches and canals, fences and fencerows, firebreaks, golf courses\*, gravel yards, habitat restoration and management areas, highways and roadsides (including aprons, medians, guardrails and right of ways), industrial plant sites, industrial areas, lumber yards, landscapes and mulched areas, natural areas, parking areas, parks, paved areas, petroleum and other tank farms, pumping installations, pipeline, power, telephone and utility rights-of-way, power stations, preplant to turf and ornamental plants, railroad rights-of way, recreation areas, refineries, resorts, schools, sidewalks, sports areas, storage areas, substations, tennis courts, shelter belts, uncropped farmstead areas, vacant lots, walkways, wastelands, wildlife habitat areas.

**\*Not for use in CA**

**WHEN TO APPLY**

This product is a foliar-active material. Best results are obtained when weeds are actively growing. Weed control may be reduced when applications are made to weeds under stress due to drought or cool temperatures. Weeds under stress or in dense populations will require application of the highest rate listed. Refer to the How to Apply section of this label.

Apply this product at the rate specified in the How to Apply section of this label. Repeat applications of this product or tank mixes of this product plus one or more appropriate residual herbicide(s) listed on this label will be needed to control weeds emerging from underground parts or seeds.

**HOW TO MIX**

This product must be mixed with water to make a finished spray solution as follows:

1. Fill the spray tank with the required amount of water.
2. Add the proper amount of this product, then mix thoroughly.

**PRECAUTIONS**

- This product is rainfast in a minimum of one-half hour and an average of 4 hours after application depending upon weed species, environmental conditions, and herbicide application rate.
- Plants may be safely planted into areas treated with this product after spray has dried.

**HOW TO APPLY****Spot or Directed Applications**

Mix 0.5 to 2.0 fl. oz. (0.009 – 0.036 lb. ai) per gallon of spray solution (24 to 82 fl. oz./A (0.44 to 1.5 lb. ai/A)) and apply 1 gallon of spray solution to 1,000 square feet to actively growing weeds. Determine proper use rate based on weed size in Table 1. Larger weeds will require a higher use rate.

**Table 1: USE RATES**

Apply this product at the rates listed below for broadcast applications based on weed size and stage of growth.

Weed Size and Stage	Rate of this product (Per Gallon of Water)	Rate of this product (Per Acre)
Easily Controlled Weeds < 3 in. height*	0.5 fl. oz. (0.009 lb. ai)	24 fl. oz./A (0.44 lb. ai)
Weeds < 3 in. height	1.0 fl. oz. (0.018 lb. ai)	48 fl. oz./A (0.88 lb. ai)
Weeds < 6 in. height pre-tiller grasses	1.25 fl. oz. (0.023 lb. ai)	56 fl. oz./A (1.0 lb. ai)
Weeds > 6 in. height and/or grasses that have tillered	1.25 to 2.0 fl. oz. (0.023 to 0.036 lb. ai)	56-82 fl. oz./A (1.0 to 1.5 lb. ai)

\*See Weeds Controlled Table below for details.

For spot or directed spray application by backpack sprayers, mix this product at 0.5 to 2.0 fl. oz. of product (0.009 to 0.036 lb. ai) per gallon of water. Larger and more difficult to control weeds require a higher use rate. When using the per gallon rate, calibrate sprayers to deliver 1 gallon of spray solution per 500 to 1,000 square feet. Thorough spray coverage of weeds is necessary to maximize weed control. Spray coverage needs to be uniform but **DO NOT** spray to the point of runoff. Thoroughly clean the sprayer following use. **DO NOT** make spot or directed spray applications to desired plant foliage or stems as injury may occur.



**Restrictions:**

- **DO NOT** apply beyond runoff
- **DO NOT** spray during windy conditions
- **DO NOT** exceed maximum use rate of 2.0 fl. oz./gal of spray solution (0.036 lb. ai/gal of spray solution) for spot or directed applications.
- **DO NOT** apply more than 246 fl. oz. (4.50 lbs. ai/A) of this product per acre per year to non-crop areas except on Dormant Bermudagrass **DO NOT** apply more than 82 fl. oz. (1.5 lb. ai) per acre per year.

**Broadcast or Boom Applications**

Apply 24 to 82 fl. oz./A (0.44 to 1.5 lbs. ai/A) depending upon the weed and stage of growth as shown in Table 1. Use a minimum of 40 gallons of water per acre with a minimum of 30-psi spray pressure. Refer to the Weeds Controlled table.

**Aerial Applications**

Apply as a foliar treatment using a minimum of 5 gallons of water per acre to ensure thorough coverage.

**Tank Mixtures**

This product is compatible in tank mixes with many other herbicides including non-selective herbicides including glyphosate. Follow the more restrictive label limitations and use precautions for each product. No label dosage rates may be exceeded. *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.*

Tank mix applications of this product plus the following herbicides can be used for broad-spectrum postemergence and preemergence weed control.

Imazapyr	Pendimethalin
Prodiamine	Oryzalin
Isoxaben	Dicamba DGA salt
Oxadiazon	

A compatibility test must be conducted with any potential tank mix partner with this product, except with any one of those listed above. Using a clear glass quart jar, conduct the test as described below:

1. Fill the 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 oil 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 this product.

**Restrictions:**

- No label dosage rates may be exceeded. 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.

### Use Notes

1. Use higher rates within the specified rate range for plant sizes listed when vegetation cover is dense or when weeds are growing under stressed conditions for example drought or when average temperatures are below 50°F.

The addition of 8.5 to 17 pounds of ammonium sulfate (spray grade) per 100 gallons of water (1 to 2% by weight) or 2 to 4 pounds of ammonium sulfate per acre may improve the level of weed control.

### Use on Woody Species

When applied as specified, this product will provide control, partial control, or suppression of certain perennial woody weed species. Apply 27 to 82 fl. oz./A (0.5 lbs. ai - 1.5 lbs. ai/A). Use the higher listed rates per acre of this product when conditions are not optimum for spray penetration, for example when vegetation growth is heavy or dense. Lower rates may be used when the target species is a conifer and when vegetation growth conditions allow for uniform spray coverage.

blackberry	<i>Rubus spp.</i>
deer brush	<i>Ceanothus integerrimus</i>
Douglas fir	<i>Pseudotsuga menziesii</i>
gallberry	<i>Ilex spp.</i>
hazel	<i>Corylus spp.</i>
honeysuckle	<i>Lonicera spp.</i>
huckleberry	<i>Gaylussacia spp.</i>
maple	<i>Acer spp.</i>
multiflora rose	<i>Rosa multiflora</i>
oak	<i>Quercus spp.</i>
pine	<i>Pinus spp.</i>
poison ivy	<i>Toxicodendron radicans</i>
poison oak	<i>Toxicodendron toxicarium</i>
roundleaf greenbriar	<i>Smilax rotundifolia</i>

salmonberry	<i>Rubus spectabilis</i>
sweet gum	<i>Liquidambar styraciflua</i>
sumac	<i>Rhus spp.</i>
thimbleberry	<i>Rubus parviflorus</i>
trumpet creeper	<i>Campsis radicans</i>
vine maple	<i>Acer circinatum</i>
Western red cedar	<i>Thuja plicata</i>

## WHERE TO APPLY

### Trimming and Edging

Use this product for trimming and edging landscapes areas including: around individual trees and shrubs, buildings, landscape beds, foundations, fences, in dry ditches and canals, driveways, paths, sidewalks, roads, parking areas; also on golf courses along cart paths, around sign and light posts, and around sand traps; around potted plants and other objects in a nursery setting. For control of weeds emerging from seed, use this product in a tank mix with a preemergence herbicide. If spraying in areas adjacent to desirable plants, use a shield made of cardboard, plywood, or sheet metal while spraying to help prevent spray from contacting foliage of desirable plants. Refer to the How to Apply section of this labeling for appropriate application rates to control specific weeds.

### **Industrial, Recreational and Public Areas**

When applied as a spot or directed spray application, this product controls annual and perennial weeds listed on this label in areas including: airports, commercial plants, storage and lumber yards, educational facilities, fence lines, ditch banks, dry ditches, roadsides, schools, parking lots, tank farms, pumping stations, and parks. This product may be used to improve line-of-sight at railroad crossings and reduce the need for mowing along rights-of-way, and wayside structures. This product may be used to improve line-of-sight at railroad crossings and reduce the need for mowing along rights-of-way, and wayside structures. Refer to the How to Apply section of this labeling for appropriate application rates to control specific weeds.

### **Dormant Bermudagrass**

Use this product to control winter annual weeds in well-established ornamental dormant hybrid or common Bermudagrass. Apply only when the turf is fully dormant and prior to spring green-up or severe turfgrass injury or delayed green-up may occur. For best results, apply this product at a rate of 56 to 82 fl. oz./A (1.0 - 1.5 lbs. ai/A) after most weeds have germinated and are in an early growth stage. Refer to the Weeds Controlled section of this label for selecting rates. Applications of this product may also be used to suppress or control undesirable biennial or perennial weeds. Avoid high volume and spot applications where spray volume exceeds 80 gallons per acre or injury or delayed green-up may occur.

### **Restrictions:**

- **DO NOT** apply more than 82 fl. oz. of this product (1.5 lbs. ai) per application.
- **DO NOT** apply more than 82 fl. oz. of this product (1.5 lbs. ai) per acre per year for this use.
- **DO NOT** make more than 2 applications per year if using a reduced rate.

### **Ornamentals and Christmas Trees**

When applied as specified by this label, this product may be used for the control of undesirable vegetation in site preparation prior to planting, around and within shade and greenhouses, and as a directed spray around containers and field-grown established ornamentals and Christmas trees.

#### **Restrictions:**

- **DO NOT** apply directly to or allow drift to contact desirable green tissue or green, thin, or uncalloused bark of desirable vegetation or injury may result.
- **DO NOT** apply this product as an over the top broadcast spray in ornamentals and shade or Christmas trees.

**Directed spray application:** Apply this product as a directed spray to control in-row weeds in field-grown woody plants. Refer to the How to Apply section of this labeling for appropriate application rate to control specific weeds. This product may also be used between and around containers and in site preparation for new planting.

**Site preparation application:** This product may be used for pre-plant site preparation for the control of annual and perennial weeds listed on this label, in ornamental and Christmas tree plantings. Ornamentals and Christmas trees may be planted into the treated area after the restricted entry interval (REI) of 12 hours has elapsed. Refer to the How to Apply section of this labeling for appropriate application rates to control specific weeds.

**Greenhouse and shade house applications:** This product may be used to control weeds in greenhouses and shadehouses. **Apply as a directed spray, using large droplet and low-pressure type nozzles. Avoid drift and direct contact with desirable vegetation.**

#### **Restrictions:**

- **DO NOT** use in greenhouses or shade houses containing edible crops.
- Air circulation fans must be turned off during application.

**Conservation Reserve Program (CRP)\*:**

This product can be used to control undesirable vegetation when rotating out of CRP acres or to suppress competitive growth and seed production of undesirable vegetation in CRP acres. For selective applications with broadcast spray equipment, apply 48 to to 56 fl. oz./A (0.88 to 1.0 lb. ai/A) of this product in early spring before desirable CRP grasses, including crested and tall wheatgrass, break dormancy and initiate green growth. Late fall applications can be made after desirable perennial grasses have reached dormancy. Some stunting of CRP perennial grasses will occur if applications are made when plants are not dormant.

**\* Not for use in CA****Wildlife Food Plots\*:**

This product may be used as a site preparation treatment prior to planting wildlife food plots. Any wildlife food species may be planted after applying this product, or native species may be allowed to repopulate the area. If tillage is needed to prepare a seedbed, wait 7 days after applying this product before tilling..

**\* Not for use in CA****FARMSTEADS**

When applied as specified, this product controls undesirable plant vegetation in noncrop areas around farmstead building foundations, shelter belts, and along fences. Refer to the How to Apply section of this labeling for appropriate application rates to control specific weeds.

**Restrictions:**

- **DO NOT** allow grazing of treated vegetation.

## WEEDS CONTROLLED

Alfalfa+	Carpetweed	Dodder
Alkali sida	Catchweed	Dogbane (hemp)
Amaranth, Palmer+	bedstraw	Eclipta
Ammannia, purple	(cleavers)* <sup>1</sup>	Fescue
Anoda, spurred* <sup>1</sup>	Chess, soft	Fleabane, annual
Arrowhead,	Chickweed,	Fiddleneck
California	common	Filaree
Artichoke,	Chickweed,	Filaree, redstem
Jerusalem+	mouse-ear+	Foxtail, bristly+
Aster, white heath	Chinese thornapple	Foxtail, giant
Barley, volunteer* <sup>1</sup>	Clover, Alsike	Foxtail, green
Barnyardgrass*	Clover, red	Foxtail, robust
Beggarweed,	Clover, white	purple+
Florida+	Cocklebur, common	Foxtail, yellow* <sup>1</sup>
Bermudagrass+	Copperleaf,	Gallinsoga,
Bindweed, field	hophornbeam+	small flower+
Bindweed, hedge	Copperleaf, Virginia	Geranium, cutleaf+
Black medic+	Corn, volunteer+	Goosefoot
Bluegrass, annual	Cotton, volunteer+	Goosegrass* <sup>1</sup>
Bluegrass, Kentucky	Crabgrass, large* <sup>1</sup>	Goldenrod, gray
Blueweed, Texas+	Crabgrass,	Gromwell, field
Brome, rippgut	smooth* <sup>1</sup>	Groundcherry,
Bromegrass, downy	Croton, tropic* <sup>1</sup>	cutleaf
Bromegrass,	Croton, woolly* <sup>1</sup>	Groundsell, common
smooth	Cudweed	Guineagrass
Buckwheat, wild	Cupgrass, woolly	Hempnettle+
Buffalobur	Cutleaf	Henbit
Bulrush***	eveningprimrose	Horsenettle,
Burclover, California	Dallisgrass	Carolina* <sup>1</sup>
Burcucumber+	Dandelion	Horsetail
Burdock	Devil's claw* <sup>1</sup>	Johnsongrass,
Bursage, woolyleaf+	Dock, curly	rhizome+
Canarygrass	Dock, smooth+	



### WEEDS CONTROLLED *(Continued)*

Johnsongrass, seedling* <sup>1</sup>	Morningglory, smallflower+	Pointsettia, wild+
Jimsonweed	Morningglory, tall+	Poison ivy/oak
Junglerice* <sup>1</sup>	Muhly, wirestem***+	Pokeweed+
Knotweed* <sup>1</sup>	Mullein, common	Puncturevine
Kochia	Mullein, turkey	Purslane, common* <sup>1</sup>
Ladysthumb+	Mustard, tansy	Pusley, Florida+
Lambsquarters, common	Mustard, wild	Quackgrass
Lettuce, miners	Nettle	Radish, wild
Lettuce, prickly	Nightshade, black	Ragweed, common
London rocket	Nightshade, eastern black	Ragweed, giant
Lovegrass	Nightshade, hairy	Redmaids
Mallow, common	Nightshade, silverleaf+	Rocket, yellow
Mallow, Venice+	Nutsedge, purple	Rose, wild
Malva (little mallow)	Nutsedge, yellow	Rubus spp.
Marestail	Oat, wild* <sup>1</sup>	Rice, red+
Marshelder, annual+	Onion, wild	Rice, volunteer+
Mayweed	Orchardgrass	Rush, toad***
Milkweed, common***+	Panicum, fall* <sup>1</sup>	Ryegrass, annual**
Milkweed, honeyvine***+	Panicum, Texas	Sandbur, field
Millet, wild proso+	Paragrass	Senna coffee+
Millet, proso volunteer+	Pennycress	Shattercane
Morningglory, entireleaf	Pigweed, redroot* <sup>1</sup>	Shepherd's Purse
Morningglory, ivyleaf	Pigweed, prostrate* <sup>1</sup>	Sicklepod
Morningglory, pitted	Pigweed, spiny* <sup>1</sup>	(java bean)+
Morningglory, sharppod* <sup>1</sup>	Pigweed, smooth* <sup>1</sup>	Sida, prickly+
	Pigweed, tumble* <sup>1</sup>	Signalgrass, broadleaf* <sup>1</sup>
	Pineapple weed	Smartweed, Pennsylvania
	Plantain	Smellmelon+
		Sowthistle, annual

### WEEDS CONTROLLED (Continued)

Sowthistle, perennial+	Sunflower, volunteer	Vetch
Soybean, volunteer+	Swinecress	Waterhemp, common+
Sprangletop	Thistle, bull	Waterhemp, tall+
Spurge, prostrate* <sup>1</sup>	Thistle, Canada	Wheat, volunteer
Spurge, leafy	Thistle, musk	Willowherb, panicle
Spurge, spotted* <sup>1</sup>	Thistle, Russian	Windgrass
Starbur, bristly+	Timothy+	Witchgrass
Starthistle, yellow	Torpedograss	Woodsorrel
Stinkgrass	Turnip, wild	Wormwood, biennial+
Sunflower, common	Vaseygrass	Yarrow, common
Sunflower, prairie* <sup>1</sup>	Velvetleaf* <sup>1</sup>	
	Vervain	

+Not for use in CA

<sup>1</sup>Use rate in CA 24 fl. oz./A (0.44 lb. ai)

\*easily controlled species

\*\*apply to annual ryegrass prior to 3 inches in height

\*\*\*indicates suppression only

### USE PRECAUTIONS

- This product is rainfast in a minimum of one-half hour and an average of 4 hours after application depending upon weed species, environmental conditions, and herbicide application rate.
- Plants may be safely planted into areas treated with this product after spray has dried.
- Contact with spray or spray drift of this product may cause severe injury or destruction of certain desirable plants, especially herbaceous species including bedding plants or direct seeded annual and perennial flowers. The use of spray shields that limit the plant exposure to this product is highly advised when applying this product near desirable plants.

## USE RESTRICTIONS

- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply directly to or allow drift to contact desirable green tissue or green, thin, or uncalloused bark of desirable vegetation.
- **DO NOT** allow grazing of vegetation treated with this product.
- **DO NOT** apply this product as an over-the-top broadcast spray in ornamentals and shade or Christmas trees.
- **DO NOT** exceed maximum use rate of 82 fl. oz./A (1.5 lbs. ai/A) for broadcast or boom applications.
- **DO NOT** make more than 3 applications per year for broadcast or boom applications but no more than 2 applications per year on Dormant Bermudagrass.
- **DO NOT** exceed maximum use rate of 2.0 fl. oz./gal of spray solution (0.036 lb. ai/gal of spray solution) for spot or directed applications and **DO NOT** apply beyond runoff.
- **DO NOT** apply more than 246 fl. oz. (4.50 lbs. ai/A) of this product per acre per year to non-crop areas except on Dormant Bermudagrass **DO NOT** apply more than 82 fl. oz. (1.5 lb. ai) per acre per year.
- Minimum re-treatment interval is 5 days.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not use or store near heat or open flame. Keep the container tightly closed and dry in a cool, well ventilated place. Storage temperature must not exceed 125°F. Protect against direct sunlight.

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

### CONTAINER HANDLING:

#### **Nonrefillable Container (five gallons or less):**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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 if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

## **CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Voluntary Purchasing Groups, Inc., or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Voluntary Purchasing Groups, Inc., and Seller harmless for any claims relating to such factors.

Voluntary Purchasing Groups, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Voluntary Purchasing Groups, Inc., and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VOLUNTARY PURCHASING GROUPS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Voluntary Purchasing Groups, Inc. nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF VOLUNTARY PURCHASING GROUPS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF Voluntary Purchasing Groups, Inc. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Voluntary Purchasing Groups, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Voluntary Purchasing Groups, Inc.