



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 1, 2020

Ms. Carolyn Miter  
Registrations Specialist  
Albaugh LLC  
P.O. Box 2127  
Valdosta, GA 31604

Subject: Notification per PRN 98-10 – Add consolidated label claims  
Product Name: Glufosinate 11.33%  
EPA Registration Number: 42750-378  
Application Date: June 25, 2020  
Decision Number: 564189

Dear Ms. Miter:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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

If you have any questions, you may contact BeWanda Alexander at (703)347-0313 or by email at [alexander.bewanda@epa.gov](mailto:alexander.bewanda@epa.gov).

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Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft". The signature is written in a cursive style with a large initial "E" and a long, sweeping tail.

Erik Kraft, Product Manager 24  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

# GLUFOSINATE 11.33%

HERBICIDE FOR NONSELECTIVE WEED CONTROL OF EMERGED WEEDS IN NONCROP AREAS

**ACTIVE INGREDIENT:**

Glufosinate-ammonium\*..... 11.33%\*\*

**OTHER INGREDIENTS:** ..... 88.67%

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

\* CAS Number 77182-82-2

\*\* Equivalent to 1.00 pound of active ingredient per U.S. gallon.

**NOTIFICATION**

42750-378

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/01/2020

**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.)

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rise slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN:</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>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> 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 further treatment advice.</li> </ul>
<p>In case of emergency call toll free the CHEMTREC 1-800-424-9300. Have a product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p><b>Note to Physician:</b> If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.</p>	

[See inside booklet for additional [complete] [First Aid,] Precautionary Statements and Directions for Use.]

EPA Reg. No. 42750-378

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

NET CONTENTS: \_\_\_\_\_ Gallons

**MANUFACTURED BY:**

Albaugh, LLC  
Ankeny, IA 50021

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. 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.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants;
2. Chemical resistant gloves such as barrier laminate butyl rubber >14 mils nitrile rubber >14 mils neoprene rubber >14 mils polyvinyl chloride (PVC) >14mils or Viton >14 mils,
3. Shoes plus socks,
4. Protective eyewear.

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.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- 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.

### PHYSICAL OR CHEMICAL HAZARDS

**DO NOT** mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

### ENVIRONMENTAL HAZARDS

**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** clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources or arable land. Glufosinate-ammonium and its degradates have those properties normally associated with pesticides that have been detected in groundwater. Use of this product in areas with coarse soils and high-water tables may result in groundwater contamination.

#### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal. **DO NOT** use or store near heat or open flame. Containers are not to be reused or refilled.

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

**CONTAINER DISPOSAL:** Empty containers should be triple rinsed (or equivalent). 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.

## PRODUCT INFORMATION

GLUFOSINATE 11.33% Herbicide 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. GLUFOSINATE 11.33% Herbicide 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 GLUFOSINATE 11.33% Herbicide 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.

GLUFOSINATE 11.33% Herbicide 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.

## 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:

1. Coveralls;
2. Chemical-resistant gloves such as barrier laminate, butyl rubber >14 mils nitrile rubber >14 mils neoprene rubber >14 mils polyvinyl chloride (pvc) >14mils or viton >14 mils;
3. Shoes plus socks;
4. 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. The application for trimming and edging, industrial, recreational and public areas, and farmsteads are not within the scope of the WPS.

## MANDATORY SPRAY DRIFT MANAGEMENT

- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.
- 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 crop canopy. Set boom to lowest effective height over the target pest or crop 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.

## ADVISORY SPRAY DRIFT LANGUAGE

### POLLINATOR ADVISORY

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.

### SPRAY DRIFT MANAGEMENT

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.

### Techniques for Controlling Droplet Size -

**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, narrow spray angles produce larger droplets. Consider using low-drift nozzles.

**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 manufacturer, 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 when they become available: <https://www.epa.gov/reducing-pesticide-drift/epa-verified-and-rated-drift-reduction-technologies>

**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.

## NONCROP USES

When applied as specified in this label, GLUFOSINATE 11.33% Herbicide controls annual and perennial weeds. Refer to the How to Apply section of this labeling for specified 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.

## WEED RESISTANCE MANAGEMENT

For resistance management, GLUFOSINATE 11.33% is a Group 10 herbicide (glutamine synthetase inhibitor). Any weed population may contain or develop plants naturally resistant to GLUFOSINATE 11.33% and other Group 10 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

Contact your local sales representative or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective mechanisms of action for each target weed.

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
- Surviving plants mixed with controlled individuals of the same species.

Report any incidence of non-performance of this product against a particular weed species to your Albaugh representative or call 1-800-247-8013 or at [www.albaughLLC.com](http://www.albaughLLC.com). If resistance is suspected, treat weed escapes with an herbicide having a different mode of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

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

- **Diversified approach.** To the extent possible, use a diversified approach towards weed management. Whenever possible, incorporate multiple weed-control practices.
- **Know your weeds.** Identify weeds present by scouting and understand their biology. A weed-control program should consider all of the weeds present.
- **Rotate mechanisms of action.** Difficult to control weeds may require applications of herbicides with differing mechanisms of action.
- **Apply herbicide correctly.** Apply this herbicide at the correct timing and rate to control the most difficult weed in the field.

Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management directions for specific weed biotypes.

## WHEN TO APPLY

GLUFOSINATE 11.33% Herbicide 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 specified. Refer to the How to Apply section of this label.

GLUFOSINATE 11.33% Herbicide must be applied at the rate specified in the How to Apply section of this label. Repeat applications of GLUFOSINATE 11.33% Herbicide or tank mixes of GLUFOSINATE 11.33% Herbicide 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

GLUFOSINATE 11.33% Herbicide 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.

## USE PRECAUTIONS

1. **DO NOT** apply directly to or allow drift to contact desirable green tissue or green, thin, or uncalloused bark of desirable vegetation.
2. GLUFOSINATE 11.33% Herbicide 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.
3. Plants may be safely planted into GLUFOSINATE 11.33% treated areas after spray has dried.

## USE RESTRICTIONS

1. **DO NOT** apply more than 18 quarts (4.5 lbs ai) per acre per year.
2. **DO NOT** apply more than 6 quarts (1.5 lbs ai) per acre per application.
3. **DO NOT** apply more than a total of 3 broadcast applications (excluding spot treatments) per year.
4. The minimum retreatment interval is 5 days.
5. **DO NOT** apply this product through any type of irrigation system.
6. **DO NOT** allow grazing of vegetation treated with this product.



## HOW TO APPLY

### Spot or Directed Applications

This product may be used as a spot or directed spray application using 2 to 4 fluid ounces (0.0156 – 0.03125 lb ai) per gallon of water. Mix 2 to 4 fluid ounces per gallon of water depending upon the weed and stage of growth as shown in the following sections. Spray undesirable vegetation foliage on a spray-to-wet basis. **DO NOT** apply beyond runoff. Ensure uniform and complete coverage. Use a coarse spray. **DO NOT** spray during windy conditions. Backpack, pump-up, and hydraulic sprayers may be used. Thoroughly clean the sprayer following use.

### Broadcast or Boom Applications

Apply 2 to 6 quarts (0.5 to 1.5 lbs ai) per acre depending upon the weed and stage of growth as shown in the following sections. Use a minimum of 40 gallons of water per acre with a minimum of 30-psi spray pressure.

### Aerial Applications

Apply as a foliar treatment using a minimum of 5 gallons of water per acre to ensure thorough coverage. **DO NOT** apply when winds are gusty or under condition which favors drift on to desirable vegetation. Applications under conditions which cause drift of this product will result in damage to any vegetation contacted. Drift control additives may be used. If a drift control additive is used, observe and follow all directions and precautions as specified on the additive label.

### Tank Mix Directions for Noncrop Uses

GLUFOSINATE 11.33% Herbicide is compatible in tank mixes with many other herbicides including non-selective herbicides including glyphosate.

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 GLUFOSINATE 11.33% Herbicide plus the following herbicides (or generic equivalents) are advised for broad-spectrum postemergence and preemergence weed control.

Arsenal Herbicide (EPA Reg. No. 241-346) (imazapyr)	Ronstar 50 WSP (EPA Reg. No. 432-1406) (oxadiazon)	Solicam DF Herbicide (EPA Reg. No. 61842-41) (norflurazon)
Barricade 65WG Herbicide (EPA Reg. No. 100-834) (proflaminate)	Gallery 75 Specialty Herbicide (EPA Reg. No. 62719-658) (isoxaben)	Vanquish (EPA Reg. No. 228-397) (dicamba)
Surflan A.S. Specialty Herbicide (EPA Reg. No. 70506-44) (oryzalin)	Pendulum Herbicide (EPA Reg. No. 241-416) (pendimethalin)	

A compatibility test must be conducted with any potential tank mix partner with GLUFOSINATE 11.33% Herbicide, 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 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 GLUFOSINATE

11.33% Herbicide.

**WEEDS CONTROLLED BY GLUFOSINATE 11.33%**

**For spot application:**

Apply 2 fluid ounces (0.0156 lbs ai) per gallon of water when the weed height or diameter is less than 6 inches.  
Apply 3 fluid ounces (0.0234 lbs ai) per gallon of water when the weed height or diameter is 6 inches or greater.

**For broadcast application:**

Apply 3 quarts (0.75 lbs ai) per acre when the weed height or diameter is less than 6 inches.  
Apply 4 quarts (1.0 lb ai) per acre when the weed height or diameter is 6 inches or greater.

<b>Broadleaf Weeds</b>	<b>Grasses and Sedge</b>
Chickweed	Barnyardgrass
Clover	Cupgrass
Common Cocklebur	Fall panicum
Filaree	Giant Foxtail
Jimsonweed	Goosegrass
Kochia	Green foxtail
London Rocket	Johnsongrass (rhizome)
Malva (little mallow)	Lovegrass
Marestail	Shattercane
Purslane	Smallflower Alexandergrass (signal grass)
Shepherdspurse	Stinkgrass
Smartweed	Windgrass
	Yellow Foxtail

**For spot application:**

Apply 3 fluid ounces (0.0234 lbs ai) per gallon of water when the weed height or diameter is less than 6 inches.  
Apply 4 fluid ounces (0.03125 lbs ai) per gallon of water when the weed height or diameter is 6 inches or greater.

**For broadcast application:**

Apply 4 quarts (1.0 lbs ai) per acre when the weed height or diameter is less than 8 inches tall.  
Apply 6 quarts (1.5 lbs ai) per acre when the weed height or diameter is 8 inches or greater.

<b>Broadleaf Weeds</b>		<b>Grasses and Sedges</b>	
annual sowthistle	nightshade	annual bluegrass	nutsedge
bindweed	pennycress	bahiagrass	paragrass
buffalobur	pigweed, red root	barley	quackgrass
burdock	plantain	bermudagrass	ryegrass
canada thistle	prickly lettuce	carpetgrass	sandbur
curly dock	rag weed	crabgrass	smooth bromegrass
dandelion	Russian thistle	dallisgrass	torpedo grass
dogbane (hemp)	tansy mustard	downy bromegrass	vaseygrass
field gromwell	velvetleaf	fescue	wheat
fleabane	vervain	guineagrass	wild oat
goldenrod	Virginia copperhead	Kentucky bluegrass	
horsetail	white heath aster		
lambsquarters	wild buckwheat wild mustard		
leafy spurge	wild onion		
mugwort	wild rose		
musk thistle	wild turnip		

Broadleaf Weeds		Grasses and Sedges	
nettle	woodsorrel		
	yellow rocket		

**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 including drought or when average temperatures are below 50°F.
2. 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, GLUFOSINATE 11.33% Herbicide will provide control, partial control, or suppression of certain perennial woody weed species. Apply 2 to 6 quarts (0.5 – 1.5 lbs ai) per acre. Use the higher specified rates per acre of this product when conditions are not optimum for spray penetration, including when vegetation growth is heavy or dense. Lower specified rates may be used when the target species is a conifer and when vegetation growth conditions allow for uniform spray coverage.

Blackberry	<i>Rubus</i> spp.
Deer brush	<i>Ceanothus integerrimus</i>
Douglas Fir	<i>Pseudotsuga menziesii</i>
Gallberry	<i>Ilex</i> spp.
Hazel	<i>Corylus</i> spp.
Honeysuckle	<i>Lonicera</i> spp.
Huckleberry	<i>Gaylussacia</i> spp.
Maple	<i>Acer</i> spp.
Multiflora rose	<i>Rosa multiflora</i>
Oak	<i>Quercus</i> spp.
Pine	<i>Pinus</i> spp.
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</i> spp.
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**

GLUFOSINATE 11.33% Herbicide may be used for trimming and edging landscape areas including: around individual trees and shrubs, landscape beds, foundations, fences, driveways, paths, and parking areas; also, on golf courses along cart paths, around sign and light posts, and around sand traps. For control of weeds emerging from seed, the use of GLUFOSINATE 11.33% Herbicide in a tank mix with preemergence herbicides is advised. 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.

**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, schools, parking lots, tank farms, pumping stations, parks, other public areas and nonfood crop areas. Refer to the *How to Apply* section of this labeling for appropriate application rates to control specific weeds.

### **Dormant Bermudagrass**

GLUFOSINATE 11.33% Herbicide may be used 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 GLUFOSINATE 11.33% Herbicide at a rate of 3 to 6 quarts (0.75 to 1.5 lbs ai) per acre after most weeds have germinated and are in early growth stage. Refer to the Weeds Controlled by GLUFOSINATE 11.33% Herbicide section of this label for selecting specified rates. Applications of GLUFOSINATE 11.33% Herbicide may also be used to suppress or control undesirable biennial or perennial weeds.

**DO NOT** apply more than 6 quarts (1.5 lbs ai) of GLUFOSINATE 11.33% Herbicide per acre per year for this use. Avoid high volume and spot applications where spray volume exceeds 80 gallons per acre or injury or delayed green-up may occur.

### **Ornamentals and Christmas Trees**

When applied as directed 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.

**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 GLUFOSINATE 11.33% Herbicide as an over-the-top broadcast spray in ornamentals and shade or Christmas trees.

**Directed spray application:** GLUFOSINATE 11.33% Herbicide may be applied 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:** GLUFOSINATE 11.33% herbicide may be used to control weeds in greenhouses and shadehouses. **Air circulation fans must be turned off during application. Apply GLUFOSINATE 11.33% herbicide as a directed spray, using large droplet and low-pressure type nozzles. Avoid drift and direct contact with desirable vegetation. DO NOT use in greenhouses or shade houses containing edible crops.**

### **FARMSTEADS**

When applied as directed, this product controls undesirable plant vegetation in noncrop areas around farmstead building foundations, shelter belts, along fences, and directed nonselective farmstead weed control. Refer to the **How to Apply** section of this labeling for appropriate application rates to control specific weeds. **DO NOT** allow grazing of treated vegetation.

## **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 must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Albaugh, LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Albaugh, LLC 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 Albaugh, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Albaugh, LLC 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 Albaugh, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

## APPENDIX 1

### Guarantee

- [Guaranteed Satisfaction/ Consumer Guarantee] If for any reason you are not satisfied after using this product, simply send us the original proof of purchase and we will [replace the product or] refund the purchase price.
- 100% Satisfaction Guaranteed
- Guaranteed Results [or your money back]
- {100%} Satisfaction [Guaranteed] or your money back
- Money Back Guarantee
- Guaranteed effective: Kills over 200 types of weeds and grasses, roots and all GLUFOSINATE 11.33% Herbicide
- **qualify guarantee**
- Guaranteed (we guarantee it) **qualify guarantee**
- Guaranteed results [with one application] **qualify guarantee**
- Guaranteed to kill to the root so weeds won't come back **qualify guarantee**
- Guaranteed Satisfaction **qualify guarantee**

### Performance

- GLUFOSINATE 11.33% Herbicide kills listed weeds and grasses in – Patios – Driveways – Sidewalks – Ornamental Gardens
- Absorbed into both broadleaf and grassy weeds
- Absorbs on contact, starts working immediately
- Absorbs through the leaf and stem only so killing power won't spread to non-target plants through soil
- Absorbed through the leaves, it goes all the way to the root for total kill [on weeds you directly spray]
- Also use for large jobs including vegetable and flower garden preparation
- Approved for garden uses
- Approved for use in vegetable gardens
- Be smarter than your weeds
- Begins absorbing on contact
- Begins to Work in [Insert value of between 1 and 24] hours
- Begins working in hours
- Kills even the toughest listed weeds and grasses
- Contains glufosinate
- Controls emerged weeds
- Dead Weeds Guaranteed [or Your Money Back] **qualify guarantee**
- **DO NOT** add water
- Does not have soil activity
- Effective even in cool and cloudy conditions [as low as 50°F]
- Even if it rains –won't lose its effectiveness
- Fast-acting formula
- Fast Uptake
- Fast-acting for visible results in [[1/ 3] hour[s]/ sixty minutes]
- For general weed control - kills weeds and grasses in 1 to 2 weeks - roots and all
- [Formulated] for [outdoor] residential use [only]
- Gets to the Root in hours
- Goodbye weeds
- Got Tough Weeds – Get GLUFOSINATE 11.33% Herbicide
- Great for driveways, sidewalks, patios and mulched beds
- Hard on weeds, easy on you [versus/ vs./ compared to/ hand pulling]
- Ideal for killing unwanted weeds and grasses [throughout your yard]. Use along fences; in cracks of walks, drives and patios; and around flower beds, trees and shrubs
- Ideal for spot treatment on driveways, sidewalks, and patios

- Ideal for tough to reach [weeds/ places] found in [landscaping/ landscaped/ mulch/ mulched/ flower/ beds/ and/vegetable gardens]
- Ideal for use in [flower and vegetable] gardens
- Ideal for vegetable garden weed control
- Keeps driveways, walkways, [landscaping/ landscaped] beds, and flower gardens weed-free
- Kill listed weeds, even in your flowerbeds
- Kills all types of tough weeds
- Kills [all] [annual and perennial] listed weeds, grasses and other unwanted plants
- Kills even [tough/ the toughest] weeds
- Kills emerged listed weeds only, no residual activity in soil
- Kills [Poison Ivy/ Poison Oak/ Poison Sumac/ Blackberry/ Kudzu/ Wild Berries]
- Kills [the toughest] [weeds and grasses] the root so [weeds/ they] don't come back
- Kills the roots of [both] listed broadleaf and grassy weeds
- Kills the weed you see and the root you don't
- Kills Tough Weeds [& Grasses] [to the Root]
- Kills tough weeds in 1 to 2 weeks
- Kills Ugly, Annoying Weeds [& Brush]
- Kills [unwanted/ undesirable] listed weeds [and grasses] [roots and all]
- Kills listed weeds [and grasses] [clear down to the root] [1-2 weeks] [roots and all]
- Kills listed weeds [and unwanted grasses] – [roots and all/ to the root]
- Kills weeds clear down to the root, 1<sup>st</sup> time, every time so weeds don't come back – guaranteed
- Kills listed weeds dead
- [Kills/ spray] listed weeds in flower beds and around fences, trees, shrubs, driveways, walkways and shrubs, in and around fences, patios, paths, sidewalk cracks, walkways.
- Kills listed weeds in flowerbeds, around trees, shrubs and fences, and on patios, paths, sidewalks, sidewalk cracks, walkways, and driveways
- Kills listed weeds and grasses in – Patios – Driveways – Sidewalks – Ornamental Gardens
- Kills listed weeds, roots and all
- Kills what you directly spray, no residual [herbicidal] activity in soil
- Multipurpose grass and broadleaf weed control
- No mix Formula
- No Mix, No Mess
- No Mixing [necessary]
- [Next day/ this weekend] results: Begins killing on contact, visible results in [1/ 3/ 6] hours
- No more hand pulling
- No root. No weed. No problem
- No waiting, weeds wilt in hours
- Non-staining [formula]
- Not All Weed Killers Are the Same
- One application kills weeds and grasses, [roots and all/ to the root]
- Ornamental gardens can be reseeded or planted 1 day after treatment
- Outdoor use only
- Overnight speed
- Perfect for homes, buildings, cabins, campsites, lodges, tent areas, trailers, wooded lots, recreational areas, parks, sports facilities and wildlife areas.
- Provides maximum control: Kills [existing] weeds to the root so they don't come back
- [Provides/ See] Visible results in [[1/ 3/ 6] hour[s]/ sixty minutes]
- Rainproof Protection [in 10 minutes/ less than 30], after application.
- [RainFast/ RainProof/ Rainproof Protection:] [in 10 minutes/ less than 30 minutes] [for control that won't wash away]
- Rainproof in 10 Minutes!
- Ready-To-Use [grass & weed killer] [Tough Weed Killer] [Insert Applicator Name]
- Requires no mixing

- GLUFOSINATE 11.33% Herbicide can be used [almost] anywhere weeds and grasses grow, including paver patios, walkways and driveways; along fences; under decks; in [landscaped/ mulched] beds; or around flowers, shrubs and trees
- GLUFOSINATE 11.33% Herbicide formula won't be washed away by rain or watering [10/ 30] minutes after treatment
- GLUFOSINATE 11.33% Herbicide formula kills to the root so weeds don't come back
- Satisfaction guaranteed or [we will gladly refund purchase price/ your money back with proof of purchase]
- [See/ visible] results in [[insert value between 1 and 24] hours/ overnight/ days]
- So long weeds
- Spray the [weed/ leaves] to kill the root
- Starts to kill [the same day/ hours/ overnight]
- Starts working [immediately/ in hours/ overnight]
- Strong enough to kill even the toughest brush
- Suitable for use around flower beds, trees, shrubs, fences, and walks
- Systemic weed and grass killer [for spot treatment of undesirable vegetation]
- The easy way to kill tough weeds [and brush]
- This bottle [may] contain[s] an anti-theft device, [either inside or on the back of the bottle]. [It does not affect product performance].
- Tough formula [kills to the roots]
- Unlike hand pulling GLUFOSINATE 11.33% Herbicide kills all the way to the roots
- Unique formula starts working to kill listed problem weeds and grass [immediately/ within hours]
- Use along fences, paths, paver patios, sidewalks and driveways, around trees, shrubs, ornamental plantings, flowerbeds, and buildings, under decks and in brick and gravel walkways.
- Use around flower beds, trees and shrubs
- Use around fruits and vegetables
- Use as a first step for turning brushy fields into grassy areas or parks
- [Use] For Landscaping: Use to prepare areas for planting of ornamentals, trees, shrubs, desert landscapes, rock gardens, flowerbeds or similar plantings.
- [Use] For Spot Spraying: Use in and around flowerbeds, ornamental, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways
- [Use] For Wildlife Areas: Use to prepare areas for planting wildlife food. Exotic or undesirable plants can be controlled to allow for planting or recovery of native plant species. Spot treatments can be made to selectively to remove unwanted plants.
- Use in and around vegetable gardens
- Use to prepare sites: for large plantings, for planting flowerbeds, fruit trees, ornamentals, vegetables and gardens
- Use to trim and edge landscape areas.
- Visible effects are gradual wilting and yellowing advancing to complete browning and root destruction.
- Visible Results in [as little as] [[1/ 3/ 6] Hour[s]/ sixty minutes]!
- Water-based formula
- Weeds start dying [in hours/ in 1 day/ in less than a day]
- Will not build up in soil to hurt desirable plants growing nearby
- Works on [insert weed list]
- Works on contact
- Works only when absorbed by the [foliage/ leaves] of weeds
- Kills the weed you see and the root you don't
- Kills weeds dead...Fast
- Kills weeds dead [fast]
- Quick Kill Formula
- Quick and Dead
- Not All Weed Killers Are the Same
- So long weeds
- Proven Weed Killer
- Highly Effective Protection
- Works the first time, every time
- Field Tested



- Proven Effective
- Proven Efficacy
- Effective Killing Power
- Kills the root [dead]
- [Fast] [and powerful] root kill [action]
- Once and done power
- Proven [Efficacy] [Results] [Peace of Mind]
- Fast [effective] root killing [power] [action]
- Deep root killing [power] [action]
- 1 application = [dead roots] [dead weeds]
- Dead root, dead weed
- Dead weed, dead root
- Spray and Walk Away
- EZ Kill Technology
- Quick Kill Technology
- Root Kill Technology
- Root Killing Power
- Five-star [Performance] [Reviews]
- Get to the Root of the Problem
- Outsmart your weeds
- Be smarter than your weeds
- Deactivates in soil
- Does not have soil activity
- [For] Use in Gardens too!
- Results speak for themselves
- Seeing is believing
- See the difference
- Make the [Smart] Switch
- [With] [Featuring] [Features] AccuRoot Technology™

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### LABEL HISTORY

Not Part of Final Printed Label

File Name	Version Mark	Comment
042750-00GTI.20200526.DRAFT	052620	Revisions Requested Per US EPA
042750-00378.20200529.MASTER	052920	EPA Acceptance
042750-00378.20200625.DRAFT	062520	Add Appendix 1 Market Claims