



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 9, 2020

Luz G Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Subject: Label Amendment – Add sublabel and previously approved uses
Product Name: Imitator Concentrate Herbicide
EPA Registration Number: 19713-620
Application Date: November 25, 2019
Decision Number: 558794

Dear Ms. Chan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Lydia Crawford by phone at 703-347-0622, or via email at Crawford.Lydia@epa.gov.

Sincerely,



Emily Schmid, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

ACCEPTED

6/9/2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-620

GLYPHOSATE GROUP 9 HERBICIDE



Imitator® Concentrate

Herbicide

THE COMPLETE BROAD SPECTRUM POSTEMERGENCE PROFESSIONAL HERBICIDE FOR INDUSTRIAL TURF, AND ORNAMENTAL WEED CONTROL.

Avoid herbicide contact with foliage, green stems, exposed non-woody roots or fruit of crops, desirable plants and trees because severe injury or destruction may result.

ACTIVE INGREDIENT:

Glyphosate: N-(phosphonomethyl) glycine in the form of its isopropylamine salt* 50.2%

OTHER INGREDIENTS: 49.8%

TOTAL: 100.0%

* Contains 600 grams per liter or 5 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 445 grams per liter or 3.7 pounds per U.S. gallon of the acid, glyphosate.

KEEP OUT OF REACH OF CHILDREN CAUTION

(See First Aid Below)

(See Side Panel for FIRST AID) (See Page ___ for FIRST AID)

(See Back Panel for FIRST AID)

(See Attached Booklet for Complete Directions for Use)

EPA Reg. No. 19713-620

EPA Est. No. 19713-XX-X

Net Content: _____ Gals. (_____ L)

FIRST AID	
IF IN EYES:	
<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice. 	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800 424-9300 for emergency medical treatment information.	

Domestic animals: This product is considered to be relatively non-toxic 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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing.

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.

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

ENGINEERING CONTROLS

When handlers use closed systems, 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: 1) Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately before pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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.

PHYSICAL AND 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, lighted 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 at the time of 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 (WPS), 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated area during the REI of 4 hours.

PPE required for early entry to treated area that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of barrier laminate, nitrile rubber \geq 14 mils, butyl rubber \geq 14 mils or Viton \geq 14 mils, and 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 WPS 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.

USE INFORMATION

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

This product is a post-emergent, systemic herbicide with no soil residual activity. It gives broad spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid containing surfactant.

This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay visible effects of control. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of above-ground growth and deterioration of underground plant parts.

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. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide.

Reduced control may result when applications are made to annual and perennial weeds that have been mowed, grazed or cut and have not been allowed to regrow to the recommended stage for treatment.

Heavy rainfall occurring soon after application may wash the chemical off the foliage and a repeat treatment may be required. This product does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program.

Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

When this label specifies a tank-mixture with a generic active ingredient such as Diuron, 2,4-D or Dicamba, the user is responsible for ensuring that the mixture product's label allows the specific application. Buyer and all users are responsible for 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 in this labeling. Mixing this product with herbicides or other materials not specified on this label may result in reduced performance.

Annual Maximum Use Rate: The combined total of all treatments must not exceed 8.5 quarts of this product per acre per year. The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing Glyphosate or Sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other Glyphosate or Sulfosate containing products does not exceed stated maximum use rates.

ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

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 the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest 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 crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

WEED RESISTANCE MANAGEMENT

GLYPHOSATE	GROUP	9	HERBICIDE
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For resistance management, this product is a Group 9 mode of action herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 9 mode of action 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.

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

- Rotate the use of this product or other Group 9 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management directions for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY WHEN WIND OR OTHER CONDITIONS FAVOR DRIFT.

Note: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS WATER FROM PONDS, UNLINED DITCHES, AND DITCHES THAT ARE NOT CLEAR.

Use the following conversion table to help determine application rates of this product based on commonly used rate of products containing Glyphosate:

This Product (fl. ozs.)	Glyphosate (3 Lbs./Gal.)
20	24
26	32
32	40

Mixing

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with the required amount of water. Add the required amount of this product near the end of the filling process and mix well. Use precaution 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 bypass and return lines at the bottom of the tank and, if needed, use an approved antifoam or defoaming agent.

Tank-mixing

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.

Add the tank-mix product to the tank as directed by the label. Maintain agitation and add the specified amount of this product.

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

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 re-suspend the mixture before spraying is resumed. Keep bypass line on or near bottom of the tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50-mesh. Clean sprayer and parts immediately after using this product by thoroughly flushing with water.

Mixing for Handheld Sprayers

Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

SPRAY SOLUTION						
Desired Volume	Amount of This Product					
	0.4%	0.8%	1.2%	1.6%	4%	8%
1 Gallon	0.5 fl. oz.	1 fl. oz.	1.6 fl. ozs.	2.1 fl. ozs.	5.2 fl. ozs.	10.5 fl. ozs.
25 Gallons	13 fl. ozs.	0.8 qt.	1.2 qts.	1.6 qts.	4 qts.	8 qts.
100 Gallons	1.6 qts.	0.8 gal.	1.2 gals.	1.6 gals.	4 gals.	8 gals.

2 tablespoons = 1 fluid ounce

For use in backpack, knapsack sprayers, or pump-up sprayers, it is suggested that the specified amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

Additives

SURFACTANTS: Although not generally required, surfactant may be added to spray solutions at water carrier volumes above 30 gallons per acre or application rates below 20 fluid ounces of this product per acre.

Non-ionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, use a rate of 0.25 to 0.5% surfactant concentration (1 to 2 qts./100 gals. of spray solution) for surfactants which contain at least 70% active ingredient or a 1% surfactant concentration (4 qts./100 gals. of spray solution) for those surfactants containing less than 70% active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

ADDITION OF SURFACTANT (ALTERNATE VERSION): The addition of surfactant to spray solutions of this product is generally not required for the control of annual and perennial weeds listed on this label. Under certain circumstances such as when water carrier volumes are above 30 gallons per acre or the product use rate is less than 20 fluid ounces per acre, the addition of additional surfactant may improve weed control.

When surfactant is added, only non-ionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, a rate of 0.25 to 0.5% surfactant concentration (1 to 2 qts./100 gals. of spray solution) when using surfactants which contain at least 70% active ingredient or a 0.5 to 1% surfactant concentration (2 to 4 qts./100 gals. of spray solution) for those surfactants containing less than 70% active ingredient is recommended. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

COLORANTS OR DYES: Agriculturally-approved colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance, especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's directions.

APPLICATION EQUIPMENT AND TECHNIQUES

Do not apply this product through any type of irrigation system. This product may be applied with the following application equipment:

Aerial Equipment – DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.

For aerial broadcast applications, unless otherwise specified, apply this product at the rate of 0.8 to 1.6 quarts per acre for annual weeds,

1.6 to 4 quarts per acre for perennial weeds, and 4 to 8 quarts per acre for woody brush and trees. Use the specified rates of this product in 3 to 25 gallons of water per acre. When used according to label directions, this product will give control or partial control of herbaceous weeds, woody brush and trees listed in the "WEEDS CONTROLLED" section of this label.

Note: FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE “FOR AERIAL APPLICATION IN CALIFORNIA ONLY” SECTION BELOW FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

Do not apply directly to any body of water.

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

To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (paint), which meets aerospace specification MIL-C-38413, may prevent corrosion.

For Aerial Application in California Only

When applied under the conditions described, this product controls annual and perennial weeds and woody brush and trees listed on this label. See “SITE AND USE DIRECTIONS” and “WEEDS CONTROLLED” sections of this label for rates.

Aerial applications of this product are allowed in the following situations:

1. Prior to the emergence or transplanting of labeled crops
2. Aid to burning for establishment and maintenance of fuel breaks
3. Establishing fire perimeters and black lines
4. Aid to prescribed burning
5. Along fire roads
6. Range conversion
7. Habitat restoration and management
8. Wildlife food plots

Apply 26 fluid ounces to 4 quarts of this product in 5 to 15 gallons of water per acre using aerial (helicopter only) applications.

To broaden the spectrum of control, labeled rate of Triclopyr may be tank-mixed with this product. The rate of Triclopyr must not exceed one-half the rate of this product (e.g., 0.75 lb. Triclopyr to 1.85 lbs. Glyphosate {2 qts. of this product}) for best results.

Do not contaminate water when disposing of equipment washwaters.

AVOID DRIFT – DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Use the following guidelines when aerial applications are made near crops or desirable perennial vegetation after bud break and before total leaf drop, and/or near other desirable vegetation or annual crops.

1. Do not apply within 100 feet of any desirable vegetation or crop(s).
2. If wind up to 5 miles per hour is blowing toward desirable vegetation or crop(s), do not apply within a minimum of 500 feet of the desirable vegetation or crop(s).
3. Winds blowing from 5 to 10 miles per hour toward desirable vegetation or crop(s) may require buffer zones in excess of 500 feet.
4. Do not apply when winds are in excess of 10 miles per hour or when inversion conditions exist.
5. APPLY BY AIR ONLY TO NON-RESIDENTIAL AREAS.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. Drift control additives may be used. When a drift control additive is used, read and carefully observe the precautionary statements and all other information appearing on the additive label.

Ensure uniform application – To avoid streaked, uneven or overlapped application, use appropriate marking devices. Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (paint), which meets aerospace specification MIL-C-38413, may prevent corrosion.

SPRAY DRIFT MANAGEMENT

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. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outer most nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

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. 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 Inversion*” sections of this label).

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 higher flow rate nozzles instead of increasing pressure.

Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation – Orienting nozzles so that the spray is released backwards, parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

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. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

Boom Length – For some use patterns, reducing the effective boom length to less than three-fourths of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height – Application must not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

Wind

Drift potential is the lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications must not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures 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 connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide must only be applied when the potential for drift to adjacent areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

BROADCAST EQUIPMENT

For control of Annual or Perennial weeds listed on this label using ground broadcast equipment — For broadcast ground applications, unless otherwise stated, apply this product at the rate of 0.8 to 1.6 quarts per acre for annual weeds, 1.6 to 4 quarts per acre for perennial weeds and 4 to 8 quarts for woody brush and trees. When used according to label directions, this product will give control or partial control of herbaceous, woody brush and trees listed in the “*WEEDS CONTROLLED*” section of this label.

Use the rates of this product in 3 to 40 gallons of water per acre as a broadcast spray unless otherwise specified on this label. As density of weeds increases, spray volume should be increased within the specified range to ensure complete coverage. Carefully select proper nozzle to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

HANDHELD OR BACKPACK EQUIPMENT

Use coarse sprays only. Apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff.

For control of annual weeds listed on this label, apply a 0.4% solution of this product to weeds less than 6 inches in height or runner length. For annual weeds over 6 inches tall, or unless otherwise specified, use a 0.8% solution. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds.

For best results, use a 1.6% solution on harder-to-control perennials, such as Bermudagrass, Canada thistle, Dock, Field bindweed, Hemp dogbane and Milkweed.

For low-volume directed spray applications, use a 4 to 8% solution of this product for control or partial control of annual weeds, perennial weeds, or woody brush and trees. Spray coverage should be 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 large or tall woody brush and trees, when foliage is thick and dense, or where there are multiple sprouts.

HANDHELD INJECTION DEVICES

For Hollow Stem Injection

This product may be applied through handheld injection devices that deliver specified amounts of this product in to targeted hollow-stem plants growing in any non-crop site specified on this label. For control of the following hollow-stem plants, follow the use instructions below:

Bohemian Knotweed (*Polygonum bohemicum*)

Inject 5 ml per stem of this product between second and third internode.

Canada Thistle (*Cirsium arvense*)

Cut 8 to 9 of the tallest plants at bud stage in a clump with clippers. Use a cavity needle that is pushed into the stem center and then slowly remove as 0.5 ml per stem of this product is injected in to the stem.

Castorbean (*Ricinus communis*)

Inject 4 ml per plant of this product in the lower portion of the main stem.

Field Horsetail (*Equisetum arvense*)

Inject one segment above the root crown with 0.5 ml per stem of this product. Use a small syringe that calibrates to this rate.

Giant Hogweed (*Heracleum mantegazzianum*)

Inject one leaf cane per plant 12 inches above root crown with 5 ml of a 5% v/v solution of this product.

Giant Knotweed (*Polygonum sachalinense*)

Inject 5 ml per stem of this product between second and third internode.

Giant Reed (*Arundo donax*)

Inject 6 ml per stem of this product between the second and third internode.

Japanese Knotweed (*Polygonum cuspidatum*)

Inject 5 ml per stem of this product between the second and third internode.

Poison Hemlock (*Conium maculatum*)

Inject one leaf cane per plant 10 to 12 inches above root crown with 5 ml of a 5% v/v solution of this product.

NOTE: Based on the maximum use rate of Glyphosate for these non-crop sites, the combined total for all treatments must not exceed 8.5 quarts of this product per acre. At 5 ml per stem, 8.5 quarts should treat approximately 1600 stems.

SELECTIVE EQUIPMENT

This product may be applied through a recirculating spray system, shielded applicators, hooded sprayers, wiper applicators, or sponge bars after dilution and thorough mixing with water to listed weeds growing in any non-crop site specified on this label.

A recirculating spray system directs the spray solution onto weeds growing above desirable vegetation, while spray solution not intercepted by weeds is collected and returned to the spray tank for reuse.

AVOID CONTACT WITH DESIRABLE VEGETATION.

Contact of the herbicide solution with desirable vegetation may result in damage or destruction. Applicators used above desired vegetation should be adjusted so that the lowest spray stream or wiper contact point is at least 2 inches above the desirable vegetation. Droplets, mist, foam or splatter of the herbicide solution settling on desirable vegetation may result in discoloration, stunting or destruction.

Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations or when the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatments may be necessary.

Shielded and Hooded Applicators

A shielded or hooded applicator directs the herbicide solution onto weeds, while shielding desirable vegetation from the herbicide.

Use nozzles that provide uniform coverage within the treated area. Keep shields on shielded sprayers adjusted to protect desirable vegetation.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH DESIRABLE VEGETATION.

Wiper Applicators and Sponge Bars

A wiper or sponge applicator applies the herbicide solution onto weeds by rubbing the weed with an absorbent material containing the herbicide solution.

Equipment must be designed, maintained and operated to prevent the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds no greater than 5 mph. Performance may be improved by reducing speed in areas of heavy weed infestations to ensure adequate wiper saturation. Better results may be obtained if 2 applications are made in opposite directions.

Avoid leakage or dripping onto desirable vegetation. Adjust height of applicator to ensure adequate contact with weeds. Keep wiping surfaces clean. Be aware that, on sloping ground, the herbicide solution may migrate causing dripping on the lower end and drying of the wicks on the upper end of a wiper applicator.

Do not use wiper equipment when weeds are wet.

Mix only the amount of solution to be used during a 1-day period, as reduced activity may result from use of leftover solutions. Clean wiper parts immediately after using this product by thoroughly flushing with water.

For Rope or Sponge Wick Applicators – Solutions ranging from 33 to 75% of this product in water may be used.

For Porous Plastic Applicators and Pressure-feed Systems – Solutions ranging from 33 to 100% of this product in water may be used.

When applied as directed, this product CONTROLS the following weeds:

Corn, volunteer <i>Zea mays</i> Panicum, Texas <i>Panicum texanum</i> Rye, common <i>Secale cereale</i> Shattercane <i>Sorghum bicolor</i>	Sicklepod <i>Cassia obtusifolia</i> Spanishneedles <i>Bidens bipinnata</i> Starbur, bristly <i>Acanthospermum hispidum</i>
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When applied as directed, this product SUPPRESSES the following weeds:

<p>Beggarweed, Florida <i>Desmodium tortuosum</i></p> <p>Bermudagrass <i>Cynodon dactylon</i></p> <p>Dogbane, hemp <i>Apocynum cannabinum</i></p> <p>Dogfennel <i>Eupatorium capilliflorum</i></p> <p>Guineagrass <i>Panicum maximum</i></p> <p>Johnsongrass <i>Sorghum halepense</i></p> <p>Milkweed <i>Asclepias syriaca</i></p> <p>Nightshade, silverleaf <i>Solanum elaeagnifolium</i></p> <p>Pigweed, redroot <i>Amaranthus retroflexus</i></p>	<p>Ragweed, common <i>Ambrosia artemisiifolia</i></p> <p>Ragweed, giant <i>Ambrosia trifida</i></p> <p>Smutgrass <i>Sporobolus poiretii</i></p> <p>Sunflower <i>Helianthus annuus</i></p> <p>Thistle, Canada <i>Cirsium arvense</i></p> <p>Thistle, musk <i>Carduus nutans</i></p> <p>Vaseygrass <i>Paspalum urvillei</i></p> <p>Velvetleaf <i>Abutilon theophrasti</i></p>
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Injection Systems

This product may be used in aerial or ground injection spray systems. It may be used as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this product with the undiluted concentrate of other products when using injections systems unless specifically directed.

CDA Equipment

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

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.

SITE AND USE DIRECTIONS

Detailed instructions follow alphabetically, by site.

Unless otherwise specified, applications may be made to control any weeds listed in the “WEEDS CONTROLLED” section of this label. Refer also to the “SELECTIVE EQUIPMENT” section.

ALFALFA (Dormant)

This product will control or suppress many weeds, including Cheatgrass, Downy brome and Quackgrass in dormant Alfalfa.

Apply 7.5 to 9 fluid ounces per acre of this product. Apply in the Spring. Make applications after Spring temperatures have warmed enough to encourage resumption of weed growth, but prior to initiation of trifoliate leaf expansion of the Alfalfa. Applications made after expansion of the first trifoliate leaf of the Alfalfa will cause growth reduction and reduced crop yield. Allow 36 hours after application before grazing livestock or harvesting.

Slight discoloration of the Alfalfa may occur, but the Alfalfa will regreen and regrow under moist soil condition as effects of this product wear off. Application of this product can cause crop injury. Any crop injury is the sole responsibility of the applicator.

Use Restrictions:

- Do not use Ammonium sulfate when spraying dormant Alfalfa with this product.
- Do not use this product where a slight yield reduction in the first cutting of Alfalfa cannot be tolerated.
- Do not make more than one application per year.

CUT STUMP TREATMENTS

Cut stump treatments may be made on any site listed on this label.

Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts close to the soil surface. Apply a 50 to 100% solution of this product to the freshly cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, leaf application should be made during periods of active growth and full expansion.

When used according to directions for cut stump application, this product will control many types of woody brush and tree species, some of which are listed below:

<p>Alder <i>Alnus</i> spp.</p> <p>Eucalyptus <i>Eucalyptus</i> spp.</p> <p>Madrone <i>Arbutus menziesii</i></p>	<p>Oak <i>Quercus</i> spp.</p> <p>Reed, Giant <i>Arundo donax</i></p> <p>Saltcedar <i>Tamarix</i> spp.</p>	<p>Sweetgum <i>Liquidambar styraciflua</i></p> <p>Tan oak <i>Lithocarpus densiflorus</i></p> <p>Willow <i>Salix</i> spp.</p>
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DO NOT MAKE CUT STUMP APPLICATIONS WHEN THE ROOTS OF DESIRABLE WOODY BRUSH OR TREES MAY BE GRAFTED TO THE ROOTS OF THE CUT STUMP. Some sprouts, stems, or trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal shared roots. Whether grafted or shared, injury is likely to occur to non-treated stems/trees when one or more trees sharing common roots are treated.

FORESTRY SITE PREPARATION

This product is used for the control or partial control of woody brush, trees and herbaceous weeds in forestry. This product may also be used in preparing or establishing wildlife openings within these sites and maintaining logging roads.

This product is for use in site preparation prior to planting any tree species, including Christmas trees, Eucalyptus, hybrid tree cultivars and silvicultural nursery sites.

Refer to the “WEEDS CONTROLLED” section of this label for specific application rates and instructions. Use higher rates of this product within the specified range for control or partial control of woody brush, trees and hard-to-control perennial herbaceous weeds. For best results, apply to actively growing woody brush and trees after full leaf expansion and before fall color and leaf drop. Increase rates within the specified range for control of perennial herbaceous weeds any time after emergence and before seedheads, Flowers or berries appear. Use the lower rates of this product within the specified range for control of annual herbaceous weeds and actively growing perennial herbaceous weeds after seedheads, Flowers or Berries appear. Apply to the foliage of actively growing annual herbaceous weeds any time after emergence.

This product has no herbicidal or residual activity in the soil.

Unless otherwise directed, do not apply this product as an over-the-top broadcast spray for forestry conifer or hardwood release.

TANK-MIXTURES: Tank-mixtures of this product may be used to increase the spectrum of vegetation controlled. This product may be tank-mixed with the following products. 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.

NOTE: For forestry site preparation, make sure the tank-mix product is approved for use prior to planting the desired species. Observe planting interval restrictions.

Any rate of this product may be used in a tank-mix with the following products for forestry site preparation.

<p>Imazapyr Metsulfuron</p>	<p>Sulfometuron Sulfometuron + Metsulfuron</p>	<p>Triclopyr</p>
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NON-CROP AREAS AND INDUSTRIAL SITES

Use in areas including airports, apartment complexes, Christmas tree farms, commercial sites, Conservation Reserve Program (CRP) areas, ditch banks, driveways, dry ditches, dry canals, fencerows, golf courses, greenhouses, industrial sites, landscape areas, lumberyards, manufacturing sites, municipal site, natural areas, office complexes, Ornamentals, parks, parking areas, pastures, petroleum tank farms and pumping installations, plant nurseries, public areas, railroads, rangeland, recreational areas, residential areas, rights-of way, road- sides, schools, sod or turf seed farms, sports complexes, storage areas, substations, Turfgrass areas, utility sites, warehouse areas, and wildlife management areas.

Weed Control, Trim-and-Edge and Bare Ground

This product may be used in general non-crop areas. It may be applied 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.

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

TANK-MIXTURES: This product may be tank-mixed with the following products. 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.

User is responsible for ensuring that the mixture product's label allows the specific applications when tank-mixing with a generic active ingredient listed below.

Atrazine Bromacil + Diuron Chlorsulfuron Clopyralid 2,4-D Dicamba Diuron	Imazapic Isoxaben Metsulfuron Oxadiazon Oryzalin Oxyfluorfen Pendimethalin	Prodiamine Simazine Sulfometuron Sulfometuron + Metsulfuron Sulfosulfuron Triclopyr
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When applied as a tank-mixture for bare ground, this product provides control of the emerged annual weeds and control or partial control of emerged perennial weeds, woody brush and trees.

For control or partial control of the following perennial weeds, apply 0.8 to 1.6 quarts of this product plus labeled rates of Sulfometuron or Sulfometuron + Metsulfuron per acre.

Bahiagrass Bermudagrass Broomsedge Dallisgrass	Dock, curly Dogfennel Fescue, tall Johnsongrass	Poorjoe Quackgrass Vaseygrass Vervain, blue
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Chemical Mowing – Perennials

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 6.4 fluid ounces of this product per acre when treating Tall fescue, Fine fescue, Orchardgrass, Quackgrass or Reed canarygrass covers. Use 5 fluid ounces of this product per acre when treating Kentucky bluegrass. Apply treatments in 10 to 40 gallons of spray solution per acre.

Use only in areas where some temporary injury or discoloration of perennial grasses can be tolerated.

Chemical Mowing – Annuals

For growth suppression of some annual grasses, such as Annual ryegrass, Wild barley and Wild oats growing in coarse turf on roadsides or other industrial areas, apply 3 to 4 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Applications should be made when annual grasses are actively growing and before the seedheads are in the boot stage of development. Treatments may cause injury to the desired grasses.

Dormant Turfgrass

This product may be used 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. Apply 6.4 to 51 fluid ounces of this product per acre. Apply the specified rates in 10 to 40 gallons of water per acre. Use only in areas where Bermudagrass or Bahiagrass are desirable ground covers and some temporary injury or discoloration can be tolerated.

Treatments in excess of 13 fluid ounces per acre may result in injury or delayed greenup in highly maintained areas, such as Golf courses and Lawns.

DO NOT apply tank-mixtures of this product plus labeled rates of Sulfometuron or Sulfometuron + Metsulfuron in highly maintained Turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for actively growing Bermudagrass and Bahiagrass treatments.

Actively Growing Bermudagrass

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. DO NOT apply more than 13 fluid ounces of this product per acre in highly maintained areas. DO NOT apply tank-mixtures of this product plus labeled rates of Sulfometuron or Sulfometuron + Metsulfuron in highly

maintained Turfgrass areas. For further uses, refer to the “ROADSIDES” section of this label, which gives rates for actively growing Bermudagrass treatments. Use only in areas where some temporary injury or discoloration can be tolerated.

Turfgrass Renovation, Seed or Sod Production

This product controls most existing vegetation prior to renovating Turfgrass areas or establishing Turfgrass grown for seed or sod. For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. When repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm season grasses such as Bermudagrass, Summer or Fall applications provide the best control. 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.

Desirable Turfgrasses may be planted following the above procedures. Handheld equipment may be used for spot treatment of unwanted vegetation growing in existing Turfgrass. Broadcast or handheld equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.

Delay tillage or renovation techniques such as vertical mowing, coring or slicing for 7 days after application to allow translocation into underground plant parts.

Use Restrictions:

Do not disturb soil or underground plant parts before treatment. If application rates total 2.4 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 2.4 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Do not feed or graze Turfgrass grown for seed or sod product for 8 weeks following application.

TANK-MIXTURES FOR NON-CROP AREAS

This product at the specified rates provides control of the emerged weeds listing in the “WEEDS CONTROLLED” section. When applied as a tank-mixture, the following herbicides will provide pre-emergence and/or post-emergence control of the weeds listed in the individual product labels.

This product may be tank-mixed with the following products. 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.

Aminopyralid-tripromine	Diflufenzopyr + Dicamba	Oxyfluorfen
Atrazine	Diuron	Pendimethalin
Bromacil	Diuron + Imazapyr	Prodiamine
Bromacil + Diuron	Fosamine	Sethoxydim
Chlorsulfuron	Hexazinone	Simazine
Chlorsulfuron + Metsulfuron	Imazapic	Sulfometuron
Clopyralid	Imazapyr	Sulfometuron + Metsulfuron
2,4-D	Isoxaben	Sulfosulfuron
2,4-D + Dicamba	Metsulfuron	Tebuthiuron
2,4-D + Triclopyr	Oxadiazon	Triclopyr
Dicamba	Oryzalin	

Maintain good agitation at all times during the mixing process. Ensure that the tank-mix products are well mixed with the spray solution before adding this product.

Mix only the quantity of spray solution that can be used during the same day. Tank-mixtures allowed to stand overnight may result in reduced weed control.

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.

HABITAT MANAGEMENT

Habitat Restoration and Management

This product may be used to control exotic and other undesirable vegetation may be controlled in habitat management and natural areas, including Rangeland and Wildlife refuges. Applications can be made to allow recovery of native plant species, prior to planting desirable native species, and for similar broad spectrum vegetation control requirements in habitat management areas. Spot treatments can be made selectively to remove unwanted plants for habitat maintenance and enhancement.

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 re-populate the area. If tillage is needed to prepare a seedbed, wait 7 days after applying this product before tilling to allow translocation into underground plant parts.

INJECTION AND FRILL APPLICATIONS

Woody brush and trees may be controlled by injection or frill application of this product. Apply this product using suitable equipment that must penetrate into the living tissue. Apply the equivalent of 1 milliliter of this product per each 2 to 3 inches of trunk diameter (DBH). This is best achieved by applying a 50 to 100% concentration of this material either to a continuous frill around the tree or as cuts evenly spaced around the tree below all branches. As tree diameter increases in size, better results are achieved by applying diluted material to a continuous frill or more closely spaced cuttings. Avoid application techniques that allow runoff to occur from frill or cut areas in species that exude sap freely after frills or cutting. In species such as this, make frill or cut at an oblique angle so as to produce a cupping effect and use undiluted material. For best results, application should be made during periods of active growth and after full leaf expansion.

This treatment WILL CONTROL the following Woody species:

Oak <i>Quercus</i> spp. Poplar <i>Populus</i> spp.	Sweetgum <i>Liquidambar styraciflua</i> Sycamore <i>Platanus occidentalis</i>
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This treatment WILL PARTIALLY CONTROL the following Woody species:

Black gum <i>Nyssa sylvatica</i> Dogwood <i>Cornus</i> spp.	Hickory <i>Carya</i> spp. Maple, Red <i>Acer rubrum</i>
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ORNAMENTALS, PLANT NURSERIES AND CHRISTMAS TREES

Post-directed Spray, Trim-and-Edge

Use as a post-directed spray around established Woody ornamental species including those listed below. This product may also be used to trim-and-edged around trees, buildings, sidewalks and roads, potted plants, and other objects in a nursery setting. Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of established Ornamental species.

Arborvitae <i>Thuja</i> spp. Azalea <i>Rhododendron</i> spp. Boxwood <i>Buxus</i> spp. Crabapple <i>Malus</i> spp. Douglas fir <i>Pseudotsuga</i> spp. Euonymus <i>Euonymus</i> spp. Fir <i>Abies</i> spp. Jobba <i>Simmondsia chinensis</i> Holly <i>Ilex</i> spp.	Lilac <i>Syringa</i> spp. Magnolia <i>Magnolia</i> spp. Maple <i>Acer</i> spp. Oak <i>Quercus</i> spp. Privet <i>Ligustrum</i> spp. Pine <i>Pinus</i> spp. Spruce <i>Picea</i> spp. Yew <i>Taxus</i> spp.
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THIS PRODUCT IS NOT TO BE USED FOR OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTALS.

Note: Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material.

Site Preparation

This product may be used prior to planting any ornamental, nursery or Christmas tree species.

Wiper Applicators

This product may be used through wick or other suitable wiper applicators to control or partially control undesirable vegetation around established Eucalyptus or Poplar trees. See the “*SELECTIVE EQUIPMENT*” section of this label for further information about the proper use of wiper applicators.

Greenhouse/Shadehouse Use

This product may be used to control weeds that are growing inside and around greenhouses and shadehouses. Desirable vegetation must not be present during application and air circulation fans must be turned off.

Broadcast Applications in Christmas Tree Plantations

NOTE: IF IMPROPERLY APPLIED, THIS PRODUCT HAS THE POTENTIAL TO CAUSE SEVERE CHRISTMAS TREE INJURY. FOLLOW ALL LABELED DIRECTIONS.

This product may be applied as a broadcast spray over established Christmas trees. Ensure that adequate buffers are maintained to prevent drift onto nearby desirable crops or vegetation. Read the entire “*APPLICATION EQUIPMENT AND TECHNIQUES*” section of this label for additional application precautions.

This application is approved for the following Christmas tree species:

Douglas fir (<i>Pseudotsuga menziesii</i>)	Fir species (<i>Abies</i> spp.)	Spruce species (<i>Picea</i> spp.)
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Applications may be made only after trees have completed at least a full growing season since planting or transplanting. Applications must not be made within 1 full year prior to tree harvest.

Application may only be made in the Fall after the formation of final conifer resting buds. Final resting buds must be fully hardened and in the dormant stage. Applications made at any other time may result in unacceptable Christmas tree injury. Avoid spray patten overlap, as injury may occur.

Apply 26 fluid ounces of this product per acre in 5 to 30 gallons of water per acre.

NOTE: DO NOT ADD SURFACTANTS, ADDITIVES CONTAINING SURFACTANTS, OR ANY OTHER ADDITIVES TO THIS PRODUCT, OR SEVERE CHRISTMAS TREE INJURY MAY RESULT.

This product may be used at rates from 26 to 52 fluid ounces per acre in some areas. Consult the manufacturer or supplier for specific directions if you require rates greater than 26 fluid ounces per acre.

Drift control additives may increase Christmas tree injury and their use is not directed.

The use of other herbicides mixed with this product is not directed since severe Christmas tree injury may result.

PARKS, RECREATIONAL AND RESIDENTIAL AREAS

This product may be used in parks, recreational and residential areas. It may be applied with any application equipment described in this label. This product may be used to trim-and-edge around trees, fences, paths, around building, sidewalks, and other objects in these areas. This product may be used for spot treatment of unwanted vegetation. This product may be used 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 residential areas.

RAILROADS

The instructions in the “*NON-CROP AREAS AND INDUSTRIAL SITES*” section may be used on railroads.

Bare ground, Ballast and Shoulders, Crossings, and Spot treatment

This product may be used to maintain bare ground on railroad ballast and shoulders. Repeat applications of this product may be used as weeds emerge to maintain bare ground. This product may be used to control tall-growing weeds to improve line-of-sight at railroad crossings and reduce the need for mowing along Rights-of-way. For crossing applications, up to 80 gallons of spray solution per acre may be used.

TANK-MIXTURES: This product may be tank-mixed with the following products for ballast, shoulder, spot, bare ground and crossing treatments. 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.

User is responsible for ensuring that the mixture product's label allows the specific applications when tank-mixing with a generic active ingredient listed in the following table.

Atrazine Bromacil Bromacil + Diuron Chlorsulfuron Clopyralid 2,4-D	Dicamba Diuron + Imazapyr Hexazinone Imazapyr Metsulfuron Simazine	Sulfometuron Sulfometuron + Metsulfuron Sulfosulfuron Tebuthiuron Triclopyr
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Brush Control

This product may be used to control woody brush and trees on railroad Rights-of-way. Apply 3 to 8 quarts of this product per acre as a broadcast spray using boom-type or boomless nozzles. Up to 80 gallons of spray solution per acre may be used. Apply 0.8 to 1.6% solution of this product when using high-volume spray-to-wet applications. Apply 4 to 8% solution of this product when using low-volume directed sprays for spot treatment. This product may be mixed with the following products for enhanced control of woody brush and trees.

Chlorsulfuron Clopyralid Dicamba	Fosamine Hexazinone Imazapyr	Metsulfuron Picloram Triclopyr
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Bermudagrass Release

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. Apply 13 to 38 fluid ounces of this product in up to 80 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass Bluestem, silver Fescue, tall	Johnsongrass Trumpeteer Vaseygrass
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Apply 6.4 to 51 fluid ounces of this product in a tank-mixture with labeled rates of Sulfosulfuron per acre. Read and follow all label directions for Sulfosulfuron herbicide.

This product may be tank-mixed with Sulfometuron. If tank-mixed, use no more than 13 to 38 fluid ounces of this product with labeled rates of Sulfometuron per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Sulfometuron label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass Blackberry Bluestem, silver Broomsedge Dallisgrass	Dewberry Dock, curly Dogfennel Fescue, tall Johnsongrass	Poorjoe Raspberry Trumpeteer Vaseygrass Vervain, blue
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Use only on well-established Bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat applications in the same season are not directed, since severe injury may occur.

ROADSIDES

The instructions in the “NON-CROP AREAS AND INDUSTRIAL SITES” section may apply to roadsides.

Shoulder Treatments

This product may be used on road shoulders. It may be applied with boom sprayers, shielded boom sprayers, high-volume off-center nozzles, handheld equipment, and similar equipment.

Guardrails and Other Obstacles to Mowing

This product may be used to control weeds growing under guardrails and around signposts and other objects along the roadside.

Spot Treatment

This product may be used as a spot treatment to control unwanted vegetation growing along roadsides.

TANK-MIXTURES: This product may be tank-mixed with the following products for shoulder, guardrail, spot and bare ground treatments. 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.

User is responsible for ensuring that the mixture product’s label allows the specific applications when tank-mixing with a generic active ingredient listed below.

Atrazine	Diuron + Imazapyr	Pendimethalin
Bromacil + Diuron	Fosamine	Picloram
Chlorsulfuron	Hexazinone	Sethoxydim
Chlorsulfuron + Sulfometuron	Imazapic	Simazine
Clopyralid	Imazapyr	Sulfometuron
2,4-D + Dicamba	Isoxaben	Sulfometuron + Metsulfuron
Dicamba	Metsulfuron	Sulfosulfuron
Diuron	Oxadiazon	Triclopyr
	Oryzalin	

Release of Bermudagrass or Bahiagrass

Dormant Applications

This product may be used to control or partially control many Winter annual weeds and tall fescue for effective release of dormant Bermudagrass or Bahiagrass. Treat only when Turf is dormant and prior to Spring greenup. This product may also be tank-mixed with Sulfosulfuron, Sulfometuron or Sulfometuron + Metsulfuron for residual control. Tank-mixtures of this product with Sulfometuron or Sulfometuron + Metsulfuron may delay greenup.

For best results on Winter annuals, treat when plants are in an early growth stage (below 6 inches in height) after most have germinated. For best results on Tall fescue, treat when Fescue is at or beyond the 4 to 6 leaf stage.

Apply 6.4 to 51 fluid ounces of this product in a tank-mixture with labeled rates of Sulfosulfuron, per acre. Read and follow all label directions for the Sulfosulfuron herbicide.

Apply 6.4 to 51 fluid ounces of this product per acre alone or in a tank-mixture with labeled rates of Sulfometuron or Sulfometuron + Metsulfuron. Apply the specified rates in 10 to 40 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. Use Sulfometuron or Sulfometuron + Metsulfuron in tank-mixture with this product with precaution to avoid delays in greenup and minimize injury to Bermudagrass or Bahiagrass.

Actively Growing Bermudagrass

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. Apply 13 to 38 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass Bluestem, silver Fescue, tall	Johnsongrass Trumpetcreeper Vaseygrass
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This product may be tank-mixed with Sulfosulfuron for control or partial control of Johnsongrass and other weeds listed on the Sulfosulfuron label. Use 6.4 to 26 fluid ounces of this product with labeled rates of Sulfosulfuron. Use the higher rates of both products for control of perennial weeds or annual weeds greater than 6 inches in height.

This product may be tank-mixed with Sulfometuron or Sulfometuron + Metsulfuron. If tank-mixed, use no more than 13 to 26 fluid ounces of this product with labeled rates of Sulfometuron or Sulfometuron + Metsulfuron per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Sulfometuron or Sulfometuron + Metsulfuron label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass Bluestem, silver Broomsedge	Dallisgrass Dock, curly Dogfennel	Fescue, tall Johnsongrass Poorjoe	Trumpetcreeper Vaseygrass Vervain, blue
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Use only on well-established Bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat applications of the tank-mix in the same season are not recommended, since severe injury may occur.

Actively Growing Bahiagrass

For suppression of vegetation growth and seedhead inhibition of Bahiagrass for approximately 45 days, apply 5 fluid ounces of this product in 10 to 40 gallons of water per acre. Apply 1 to 2 weeks after full greenup or after mowing to a uniform height of 3 to 4 inches. This application must be made prior to seedhead emergence.

For suppression up to 120 days, apply 3 fluid ounces of this product per acre, followed by an application of 1.5 to 3 fluid ounces per acre about 45 days later. Make no more than 2 applications per year.

This product may be used to control or partially control of Johnsongrass and other weeds listed on the Outrider label in actively growing Bahiagrass. Apply 5 ounces of this product with 0.75 to 2 ounces of Outrider per acre. Use only on well-established Bahiagrass.

A tank-mixture of this product with Sulfometuron or Sulfometuron + Metsulfuron may be used. Apply 5 fluid ounces of this product plus labeled rates of Sulfometuron or Sulfometuron + Metsulfuron per acre 1 to 2 weeks following an initial Spring mowing. Make only one application per year.

BROMUS SPECIES AND MEDUSAHEAD IN PASTURES AND RANGELANDS

Bromus Species

This product may be used to treat Downy brome (*Bromus tectorum*), Japanese brome (*Bromus japonicus*), Soft chess (*Bromus mollis*), and Cheatgrass (*Bromus secalinus*) found in industrial, rangeland and pasture sites. Apply 6.5 to 13 fluid ounces of this product per acre on a broadcast basis.

For best results, coincide treatment with early seedhead emergence of the most mature plants. Delaying the application until this growth stage will maximize the emergence of other weeds grass flushes. Make applications to the same site each year until seed banks are depleted and the desirable perennial grasses can become re-established on the site.

Medusahead

To treat Medusahead, apply 13 fluid ounces of this product per acre as soon as plants are actively growing, and prior to the 4-leaf stage. Applications may be made in the Fall or Spring.

Applications to Brome and Medusahead may be made using ground or aerial equipment. Aerial applications for these uses may be made using fixed-wing or helicopter equipment. For aerial applications, apply in 2 to 10 gallons of water per acre. For applications using ground equipment, apply in 10 to 20 gallons per acre. When applied as directed in this label, there are no grazing restrictions.

UTILITY SITES

In utility sites, this product is for use along electrical power, pipeline and telephone Rights-of-way, and in other sites associated with these Rights-of-way including substations, roadsides, railroads or similar Rights-of-way that run in conjunction with utilities.

This product may be used in utility sites and substation for bare ground, trim-and-edge around objects, 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 a utility site to Ornamentals, Flowers, Turfgrass (sod or seed), beginning construction projects.

Repeated applications of this product may be used, as weeds emerge, to maintain bare ground. This product may also be used for preparing or establishing wildlife openings within these sites, maintaining access roads, and for side trimming along utility Rights-of-way.

TANK-MIXTURES: Tank-mixtures of this product may be used to increase the spectrum of control for herbaceous weeds, woody brush and trees. This product may be tank-mixed with the following products.

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.

User is responsible for ensuring that the mixture product's label allows the specific applications when tank-mixing with a generic active ingredient listed below.

Atrazine	Diuron	Oryzalin
Bromacil + Diuron	Diuron + Imazapyr	Pendimethalin
Chlorsulfuron	Fosamine	Simazine
Clopyralid	Hexazinone	Sulfometuron
2,4-D	Imazapic	Sulfometuron + Metsulfuron
Dicamba	Imazapyr	Sulfosulfuron
Dicamba DGA	Metsulfuron	Triclopyr*

*For side trimming treatments, this product can be used alone or in tank-mixture with Triclopyr.

CONSERVATION RESERVE PROGRAM (CRP)

This product may used to prepare CRP land for crop production. Refer to Federal, state or local use guides for CRP renovation directions. For any crop not listed for treatment in this label, applications must be made at least 30 days prior to planting.

Renovation (Rotating out of CRP), Site Preparation, Post-emergence Weed Control in Dormant CRP Grasses, Over- the-Top Wiper Applications

This product may be used to suppress competitive growth and seed production of undesirable vegetation in CRP acres. Such applications may be made with wiper application equipment or as a broadcast or spot treatment to dormant CRP grasses. For selective applications with broadcast spray equipment, apply 10 to 13 fluid ounces of this product per acre in early Spring before desirable CRP grasses, such as 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 broadcast applications are made when plants are not dormant. No waiting period is required between applications and grazing or harvesting for feed. Do not apply more than 2.25 quarts per acre per year onto CRP grasses.

GRASS SEED OR SOD PRODUCTION

Pre-plant, Pre-emergence, At-Planting, Renovation, Removal of Established Stands, Site Preparation

This product controls most existing vegetation prior to renovating turf or forage grass seed areas or establishing Turfgrass grown for sod. It may also be used to destroy remaining undesired grass vegetation when production fields are converted to alternate species or crop. Make applications before, during, or after planting or for renovation. For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plant parts occurs. 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. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm season grasses, such as Bermudagrass, Summer or Fall applications provide best control. Broadcast equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested. Applications rates up to 4 quarts per acre may be used to totally remove established stands of tough to kill grass species.

Do not disturb soil or underground plant parts before treatment. Tillage or renovation techniques, such as vertical mowing, coring or slicing, should be delayed for 7 days after application to allow proper translocation into underground plant parts. If application rates total 2.25 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater 2.25 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. For any crop not listed for treatment on this label, applications must be made at least 30 days prior to planting. Applications must be made prior to the emergence of the crop to avoid crop injury.

Shielded Sprayers

Apply 26 fluid ounces to 2.4 quarts of this product in 10 to 20 gallons of water per acre to control weeds between grass seed rows. Uniform planting in straight rows aid in shielded sprayer applications. Best results are obtained when the grass seed crop is small enough to easily pass by the protective shields.

Contact of this product in any manner to any vegetation to which treatment is not intended may cause damage. Such damage shall be the sole responsibility of the applicator.

Over-the-Top Wiper Applications

Applicators should be adjusted so that the wiper contact point is at least 2 inches above the desirable vegetation. Weeds should be a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when height of weeds varies, so that not all weeds are contacted. In these instances, repeat treatments may be necessary. Contact of the herbicide solution with desirable vegetation may result in damage of destruction.

Spot Treatment

Use 1 to 1.6% solution. Apply this product prior to heading of grasses grown for seed. The crop receiving the spray in the treated area will be killed. Take care to avoid drift or spray outside the target area for the same reason. Handheld equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.

Creating Rows in Annual Ryegrass

Use 16 to 26 fluid ounces of this product per acre. Use the higher rate when the Ryegrass is greater than 6 inches tall. Best results are obtained when applications are made before the Ryegrass reaches 6 inches in height.

Set nozzle heights to allow the establishment of the desired row spacing while preventing spray droplets, spray fines, or drift to contact the Ryegrass plants not treated. Use of low-pressure nozzles or drop nozzles designed to target the application over a narrow band are recommended.

GROWER ASSUMES ALL RESPONSIBILITY FOR CROP LOSSES FROM MIS-APPLICATION.

PASTURES

LABELED GRASSES: Any pasture grass (*Gramineae* family), including Bahiagrass, Bermudagrass, Bluegrass, Brome, Fescue, Guineagrass, Kikuyugrass, Orchardgrass, Pangola grass, Ryegrass, Timothy and Wheatgrass.

TYPES OF APPLICATIONS: Spot treatment, Over-the-top Wiper Applications, Pre-plant, Pre-emergence, Pasture Renovation, Post-emergent Broadcast

Pre-plant, Pre-emergence, Pasture Renovation

This product may be applied prior to planting or emergence of forage grasses, including Bahiagrass, Bermudagrass, Bluegrass, Brome, Fescue, Guineagrass, Kikuyugrass, Orchardgrass, Pangola grass, Ryegrass, Timothy, Wheatgrass.

In addition, this product may be used to control perennial pasture species listed on this label prior to replanting.

If application rates total 2.25 quarts per acre or less, no waiting period between treatment feedings or livestock grazing is required. If the rate is greater than 2.25 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing.

Spot Treatment, Over-the-Top Wiper Applications

This product may be applied as a spot treatment or with wiper applicators in pastures. Applications may be made in the same area at 30 day intervals.

For spot treatments or wiper application methods using rates of 2.25 quarts per acre or less, the entire field or any portion of it may be treated. When spot treatments or wiper applications are made using rates above 2.25 quarts per acre, no more than 10 percent of the total pasture may be treated at any one time. To achieve maximum performance, remove domestic livestock before application and wait 7 days after application before grazing livestock or harvesting.

Post-emergent Weed Control (Broadcast Treatments)

This product may be used to suppress competitive growth and seed production of annual weeds and undesirable vegetation in pastures. For selective applications with broadcast spray equipment, apply 10 to 13 fluid ounces of this product per acre in early Spring before desirable perennial grasses break dormancy and initiate green growth. Late Fall applications can be made after desirable perennial grasses have reached dormancy.

Some stunting of perennial grasses will occur if broadcast applications are made when plants are not dormant. No waiting period is required between application and grazing or harvesting for feed. Use of higher application rates will cause stand reductions. Do not apply more than 2.25 quarts per acre per year onto pasture grasses except for renovation uses (see instructions above).

If replanting is needed due to severe stand reduction, applications must be made at least 30 days prior to planting any crop not listed for treatment in this label.

For the Control of Annual Weeds in Coastal Bermudagrass Pastures Prior to Spring Growth or Immediately After First Cutting

This product may be applied at 13 fluid ounces per acre to control the weeds listed below and most other Winter annual grass and broadleaf weeds in established Coastal bermudagrass pastures.

Annual bluegrass	Johnsongrass, seedling	Sandbur, field
Cheat	Little barley	Sunflower
Crabgrass	Oats	Wheat
Henbit	Ryegrass, Italian	Wild mustard

APPLICATIONS PRIOR TO SPRING GROWTH: Apply this product in the late Winter or early Spring, but before new Coastal bermudagrass growth begins in the Spring. Applications to new growth can damage the Bermudagrass.

Remove domestic livestock from the pasture before making the application. Wait 60 days after making this application before grazing or harvesting the treated area.

APPLICATIONS FOLLOWING THE FIRST CUTTING: Apply this product after the first Bermudagrass cutting when the Bermudagrass has not yet begun to regrow. Applications made after regrowth has begun can damage the Bermudagrass.

Remove domestic livestock from the pasture before making the application. Wait 28 days after making this application before grazing or harvesting the treated area.

NOTE: ONLY ONE APPLICATION PER YEAR MAY BE MADE TO ANY ONE FIELD. A SPRING APPLICATION PRIOR TO GROWTH AND APPLICATION FOLLOWING THE FIRST CUTTING MAY NOT BE MADE ON THE FIELD DURING THE SAME YEAR.

WEEDS CONTROLLED

Always use the higher rate of this product per acre within the specified 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 for the control of annual and perennial weeds and woody brush and trees. For difficult to control perennial weeds and woody brush and trees, where plants are growing under stressed conditions, or where infestations are dense, this product may be used at 4 to 8 quarts per acre for enhanced results.

Annual Weeds

Use 26 fluid ounces per acre if weeds are less than 6 inches in height or runner length, and 1.2 to 3.2 quarts per acre if weeds are over 6 inches in height or runner length or when weeds are growing under stressed conditions.

For spray-to-wet applications, apply 0.4% solution of this product to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. For annual weeds over 6 inches tall, or for smaller weeds growing under stressed conditions, use 0.8 to 1.6 percent solution. Use the higher rate for tough-to-control species or for weeds over 24 inches tall.

Annual Weed Species	
Annoda, spurred	Kochia
Barley*	Lambsquarters*
Barnyardgrass*	Little barley*
Bittercress*	London rocket*
Black nightshade*	Mayweed
Bluegrass, annual*	Medusahead*
Bluegrass, bulbous*	Morningglory (<i>Ipomoea</i> spp.)
Bassia, fivehook	Mustard, blue*
Brome, downy*	Mustard, tansy*
Brome, Japanese*	Mustard, tumble*
Browntop panicum*	Mustard, wild*
Buttercup*	Oats
Carolina foxtail*	Pigweed*
Carolina geranium	Plains /Tickseed coreopsis*
Castor bean	Prickly lettuce*
Cheatgrass*	Puncturevine
Cheeseweed	Purslane, common
(<i>Malva parviflora</i>)	Ragweed, common*
Chervil*	Ragweed, giant
Chickweed*	Red rice
Cocklebur*	Russian thistle
Copperleaf, hophornbeam	Rye*
Corn*	Ryegrass*
Corn speedwell*	Sandbur, field*
Crabgrass*	Shattercane*
Dwarf dandelion*	Shepherdspurse*
Eastern mannagrass*	Sicklepod
Eclipta*	Signalgrass, broadleaf*
Fall panicum*	Smartweed, ladythumb*
False dandelion*	Smartweed, Pennsylvania*
Falseflax, smallseed*	Sowthistle, annual
Fiddleneck	Spanishneedles
Field pennycress*	Speedwell, purslane*
Filaree	Sprangletop*
Fleabane, annual*	Spurge, annual
Fleabane, hairy*	Spurge, prostrate*
(<i>Conyza bonariensis</i>)	Spurge, spotted*
Fleabane, rough*	Spurry, umbrella*
Florida pusley	Starthistle, yellow*
Foxtail*	Stinkgrass*
Goatgrass, jointed*	Sunflower*
Goosegrass	Teaweed/Prickly sida
Grain sorghum (milo)*	Texas panicum*
Groundsel, common*	Velvetleaf
Hemp sesbania	Virginia copperleaf
Henbit	Virginia pepperweed*
Horseweed/Marestail	Wheat*
(<i>Conyza canadensis</i>)	Wild oats*
Itchgrass*	Witchgrass*
Johnsongrass, seedling	Woolly cupgrass*
Junglerice	Yellow rocket
Knotweed	
<p>* When using field broadcast equipment (aerial applications or boom sprayers using flat-fan nozzles), these species will be controlled or partially controlled using 13 fluid ounces of this product per acre. Applications must be made using 3 to 10 gallons of carrier volume per acre. Use nozzles that ensure thorough coverage of foliage and treat when weeds are in an early growth stage.</p>	

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 specified range.

Ensure thorough coverage when using spray-to-wet treatments using handheld equipment. When using handheld equipment for low-volume directed spot treatments, apply 4 to 8% solution of this product. Allow 7 or more days after application before tillage.

Perennial Weed Species	Rate (Qts./Ac.)	Handheld % Solution
Alfalfa*	0.8	1.6
Alligatorweed*	3.2	1.2
Anise (fennel)	1.6 to 3.2	0.8 to 1.6
Bahiagrass	2.4 to 4	1.6
Beachgrass, European (<i>Ammophila arenaria</i>)	–	4
Bentgrass*	1.2	1.6
Bermudagrass	4	1.6
Bermudagrass, water (knotgrass)	1.2	1.6
Bindweed, field	3.2 to 4	1.6
Bluegrass, Kentucky	1.6	1.6
Blueweed, Texas	3.2 to 4	1.6
Brackenfern	2.4 to 3.2	0.8 to 1.2
Bromegrass, smooth	1.6	1.6
Bursage, woolyleaf	–	1.6
Canarygrass, reed	1.6 to 2.4	1.6
Cattail	2.4 to 4	1.6
Clover (red, white)	2.4 to 4	1.6
Cogongrass	2.4 to 4	1.6
Dallisgrass	2.4 to 4	1.6
Dandelion	2.4 to 4	1.6
Dock, curly	2.4 to 4	1.6
Dogbane, hemp	3.2	1.6
Fescue (except tall)	2.4 to 4	1.6
Fescue, tall	0.8 to 2.4	1.6
German ivy	1.6 to 3.2	0.8 to 1.6
Guineagrass	2.4	0.8
Horsenettle	2.4 to 4	1.6
Horseradish	3.2	1.6
Iceplant	1.6	1.2 to 1.6
Jerusalem artichoke	2.4 to 4	1.6
Johnsongrass	1.6 to 2.4	0.8
Kikuyugrass	1.6 to 2.4	1.6
Knapweed	3.2	1.6
Lantana	–	0.8 to 1
Lespedeza	2.4 to 4	1.6
Milkweed, common	2.4	1.6
Muhly, wirestem	1.6	1.6
Mullein, common	2.4 to 4	1.6
Napierrgrass	2.4 to 4	1.6
Nightshade, silverleaf	1.6	1.6
Nutsedge (purple, yellow)	2.4	0.8 to 1.6
Orchardgrass	1.6	1.6
Pampasgrass	2.4 to 4	1.2 to 1.6
Paragrass	2.4 to 4	1.6
Pepperweed, perennial	3.2	1.6
Phragmites*	2.4 to 4	0.8 to 1.6
Poison hemlock	1.6 to 3.2	0.8 to 1.6

Quackgrass	1.6 to 2.4	1.6
Redvine*	1.6	1.6
Reed, giant	3.2 to 4	1.6
Ryegrass, perennial	1.6 to 2.4	0.8
Smartweed, swamp	2.4 to 4	1.6
Spurge, leafy*	–	1.6
Sweet potato, wild*	–	1.6
Thistle, artichoke	1.6 to 2.4	0.8 to 1.6
Thistle, Canada	1.6 to 2.4	1.6
Timothy	1.6 to 2.4	1.6
Torpedograss*	3.2 to 4	1.6
Trumpetcreeper*	1.6 to 2.4	1.6
Vaseygrass	2.4 to 4	1.6
Velvetgrass	2.4 to 4	1.6
Wheatgrass, western	1.6 to 2.4	1.6
* Partial control		

TANK-MIXTURES FOR IMPROVED CONTROL OF BENTGRASS

This product may be tank-mixed with the products listed below for improved control of Bentgrass (*Agrostis* spp.). 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. Refer to each individual product label for approved use sites.

Clethodim Fluazifop-P-butyl	Fluazifop-P-butyl + Fenoxaprop-p-ethyl Sethoxydim
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Dry Ammonium sulfate at 1 to 2% by weight, may be added to the spray solution for the above applications. The equivalent rate of Ammonium sulfate in a liquid formulation may also be used. Ensure that Ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

Broadcast Treatment

Apply this product at the rate of 1.6 to 3.2 quarts in tank-mixture with labeled rates of Clethodim, Fluazifop-P-butyl, Fluazifop-P-butyl + Fenoxaprop-p-ethyl or Sethoxydim in 20 to 40 gallons of spray solution per acre. Retreatments may be needed in the event of incomplete control.

Spot Treatment

Apply this product at the rate of 2.13 fluid ounces in tank-mixture with with labeled rates of Clethodim, Fluazifop-P-butyl, Fluazifop-P-butyl + Fenoxaprop-p-ethyl or Sethoxydim per gallon of water and spray-to-wet.

ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

WOODY BRUSH AND TREES

Apply this product after full leaf expansion, unless otherwise directed. Use the higher rate for larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stage of growth. Best results are obtained when application is made in late Summer or Fall after fruit formation. In arid areas, best results are obtained when applications are made in the Spring to early Summer when brush species are at high moisture content and are flowering. Ensure thorough coverage when using spray-to-wet treatment using handheld equipment. When using handheld equipment for low-volume directed spray spot treatments, apply a 4 to 8 percent solution of this product. Symptoms may not appear prior to frost or senescence with Fall treatments.

Allow 7 or more days after application before tillage, mowing, or removal. Repeat treatments may be necessary to control plants regenerating from underground parts or seed. Some autumn colors on undesirable deciduous species are acceptable, provided no major leaf drop has occurred. Reduced performance may result if Fall treatment are made following a frost.

Weed Species	Broadcast Rate (Qts./Ac.)	Handheld Spray-to-Wet % Solution
Alder	2.4 to 3.2	0.8 to 1.2
Ash*	1.6 to 4	0.8 to 1.6
Aspen, quaking	1.6 to 2.4	0.8 to 1.2
Bearclover (Bearmat)*	1.6 to 4	0.8 to 1.6
Beech*	1.6 to 4	0.8 to 1.6
Birch	1.6	0.8
Blackberry	2.4 to 3.2	0.8 to 1.2
Blackgum	1.6 to 4	0.8 to 1.6
Bracken	1.6 to 4	0.8 to 1.6
Broom (French, Scotch)	1.6 to 4	1.2 to 1.6
Buckwheat, California*	1.6 to 3.2	0.8 to 1.6
Cascara*	1.6 to 4	0.8 to 1.6
Catsclaw*	–	0.8 to 1.2
Ceanothus*	1.6 to 4	0.8 to 1.6
Chamise*	1.6 to 4	0.8
Cherry (Bitter, Black, Pin)	1.6 to 2.4	0.8 to 1.2
Coyote brush	2.4 to 3.2	1.2 to 1.6
Deerweed	1.6 to 4	0.8
Dogwood*	1.6 to 4	0.8 to 1.6
Elderberry	1.6	0.8
Elm*	1.6 to 4	0.8 to 1.6
Eucalyptus	–	1.6
Gorse*	1.6 to 4	0.8 to 1.6
Hasardia*	1.6 to 3.2	0.8 to 1.6
Hawthorn	1.6 to 2.4	0.8 to 1.2
Hazel	1.6	0.8
Hickory*	1.6 to 4	0.8 to 1.6
Honeysuckle	2.4 to 3.2	0.8 to 1.2
Hornbeam, American*	1.6 to 4	0.8 to 1.6
Kudzu	3.2	1.6
Locust, black*	1.6 to 3.2	0.8 to 1.6
Madroine resprouts*	–	1.6
Manzanita*	1.6 to 4	0.8 to 1.6
Maple, red	1.6 to 3.2	0.8 to 1.2
Maple, sugar	–	0.8 to 1.2
Monkey flower*	1.6 to 3.2	0.8 to 1.6
Oak (Black, White)*	1.6 to 3.2	0.8 to 1.6
Oak, Post	2.4 to 3.2	0.8 to 1.2
Oak (Northern, Pin)	1.6 to 3.2	0.8 to 1.2
Oak, Scrub*	1.6 to 3.2	0.8 to 1.2
Oak, Southern red	1.6 to 2.4	0.8 to 1.2
Peppertree, Brazilian (Florida holly)*	1.6 to 4	0.8 to 1.6
Persimmon*	1.6 to 4	0.8 to 1.6
Pine	1.6 to 4	0.8 to 1.6
Poison ivy	3.2 to 4	1.6
Poison oak	3.2 to 4	1.6
Poplar, Yellow*	1.6 to 4	0.8 to 1.6
Redbud, Eastern	1.6 to 4	0.8 to 1.6
Rose, multiflora	1.6	0.8
Russian olive*	1.6 to 4	0.8 to 1.6
Sage, Black	1.6 to 3.2	0.8
Sage, White*	1.6 to 3.2	0.8 to 1.6
Sage brush, California	1.6 to 3.2	0.8
Salmonberry	1.6	0.8
Saltcedar*	1.6 to 4	0.8 to 1.6
Sassafras*	1.6 to 4	0.8 to 1.6
Sourwood*	1.6 to 4	0.8 to 1.6
Sumac (Laurel, Poison, Smooth, Sugarbrush, Winged)*	1.6 to 3.2	0.8 to 1.6

Sweetgum	1.6 to 2.4	0.8 to 1.2
Swordfern*	1.6 to 4	0.8 to 1.6
Tallowtree, Chinese	–	0.8
Tan oak resprouts*	–	1.6
Thimbleberry	1.6	0.8
Tobacco, Tree	1.6 to 3.2	0.8 to 1.6
Toyon*	–	1.6
Trumpetcreeper	1.6 to 2.4	0.8 to 1.2
Vine maple*	1.6 to 4	0.8 to 1.6
Virginia creeper	1.6 to 4	0.8 to 1.6
Wax myrtle, Southern*	1.6 to 4	0.8 to 1.6
Willow	2.4	0.8
Yerbasenta*	–	1.6

* Partial control

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed to prevent spill and contamination. Store in original container.

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. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

CONTAINER HANDLING:

Nonrefillable Container (rigid material; ≤ 5 gallons): Nonrefillable container. Do not reuse or refill this container. Clean container 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 one-fourth 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. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

Nonrefillable Container (rigid material; > 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

Refillable Container (≥ 250 gallons & Bulk): Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

For Residential/Household Use:

PESTICIDE STORAGE: Store in original container in a safe place away from direct sunlight.

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



IMITATOR and the Drexel logo are registered trademarks of Drexel Chemical Company. All other brand names, product names or trademarks belong to their respective holders.

Additional Statements that may be used on or attached to the label:

- 50.2% Glyphosate Concentrate with surfactant
- Complete broad spectrum poste-mergence herbicide for vegetation management, ornamental weed control, and non-planted areas around residential, industrial locations, and their immediate vicinities.
- For use around residential, industrial, institutional and their immediate vicinity.
- Controls many annual and perennial grasses and broadleaf weeds as listed.

[SUB-LABEL]

[Editorial Notes: Bracketed text [] is for internal use or serves as a 'place holder' for graphics.
Parenthetical text () denotes optional wording.]
[Refer to APPENDIX 1 for consolidated list of label claims.]
[Refer to APPENDIX 2 for packaging related claims/instructions]



Imitator® Concentrate
Herbicide

ACTIVE INGREDIENT:

Glyphosate: N-(phosphonomethyl) glycine in the form of its isopropylamine salt 50.2%

OTHER INGREDIENTS: 49.8%

TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

(See First Aid Below)

(See Side Panel for FIRST AID) (See Page ____ for FIRST AID)

(See Back Panel for FIRST AID)

(See Attached Booklet (Labeling) for Complete Directions for Use)

(Please read the) (See) (inner label) (inner peel-back label) (booklet) for (first aid) (precautionary statements) (storage and disposal) (directions for use)

EPA Reg. No. 19713-620

EPA Est. No. 19713-XX-X

Net Content: _____

FIRST AID
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800 424-9300 for emergency medical treatment information.</p>

[OPTIONAL TEXT]

Guaranteed Satisfaction. Open (booklet for details).* Resealable Label for Directions & Precautions (Press to Reseal)

Product Facts

Makes up to [] gallons

Treats up to [] sq. ft. (approx. size of [] tennis courts)

[See Appendix 2 for calculations]

KILLS WEEDS [Illustrate grassy, broadleaf and woody weeds]

(KILLS ALL TYPES OF WEEDS & GRASSES)

[For products where an anti-theft device has been added]

[This bottle contains an anti-theft device, either inside or on the back of the bottle. It does not affect Performance of this product.]

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.

[Optional Re-entry icon]

To prevent tracking product to unintended areas such as your yard, keep people and pets out of treated area until spray has dried.

[ALTERNATE TEXT] People and pets may enter treated area after spray has dried.

ENVIRONMENTAL HAZARDS

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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow to contact oxidizing agents. Hazards 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.

Apply with plastic or stainless steel tank-type sprayer. DO NOT apply with galvanized or unlined steel (except stainless steel) sprayer or through any irrigation system.

HOW IT WORKS [Optional illustration]

[Insert Brand Name] is absorbed by the weed's leaves. It moves through the weed to the root, stopping the production of an essential enzyme found in plants. Weeds die, roots and all- so weeds (they) don't grow back. Kills only what you spray. Any product not absorbed by the plant breaks down into natural materials without moving in or on the soil to untreated plants. (Weeds usually yellow and wilt within 2 to 4 days with complete kill in 1 to 2 weeks.)

[ALTERNATE TEXT] [Insert brand name] enters plants through foliage and moves systemically to the roots, killing weeds by stopping the production of a substance found in plants. Any of this product not absorbed by plants breaks down into natural materials without moving in or on the soil to untreated plants. Weeds (usually) yellow and wilt within 2 to 4 days with complete kill in 1 to 2 weeks.

WHERE TO USE

- On patios, walkways, driveways, gravel or mulch beds
- Around fruits, vegetables, Flowers, shrubs or trees
- Along fences
- In areas where weeds are invading your yard/property
- For lawn replacement
- For garden plot preparation
- (Other areas in (of) your yard/property)

AMOUNT TO USE

For best results: 2 ½ fl. oz. (5 Tbsp.) per gallon of water (for established or tough (tough-to-control) weeds)

[OPTIONAL TEXT] For easy to kill weeds such as seedlings, add 1 ½ fl. oz. (3 Tbsp.) per gallon of water.

MIXING INSTRUCTIONS

[Optional tank sprayer illustration]

TANK SPRAYER

Use of a quality brand (Tank (Pump-Up) Sprayer) is recommended. A plastic, fiberglass, plastic-lined steel or stainless steel sprayer may also be used.

[OPTIONAL TEXT] For easy to kill weeds such as seedlings, add 1 ½ fl. oz. (3 Tbsp.) to 1 gallon of water. (For tough established weeds, for best results,) add 2 ½ fl. oz. (5 Tbsp.) to 1 gallon of water.

Spot treat or spray evenly over 300 square feet.

[Optional Dial 'N Spray illustration]

HOSE-END SPRAYER

For large areas, consider using the Ortho Dial 'n Spray®

- Set dial to 2 ½ oz.
- To sprayer jar, add 2 ½ fl. oz. (5 Tbsp.) for each 300 square feet. DO NOT add water.
- Spray evenly over measured area.
- After spraying, unused product can be poured back into its original container.

[Optional 1.33 Gallon sprayer illustration]

1.33 GALLON SPRAYER

- Add 6.5 fl oz (13 Tbsp.) (the entire contents of this container) (the 6.5 fl oz Refill) [Insert Brand Name] to the empty sprayer and fill very slowly with water to prevent foaming.

OR

- Add 6.5 fl oz (13 Tbsp.) of this product to the empty sprayer and fill very slowly with water to prevent foaming.

1 Tablespoon (Tbs.) = 3 teaspoons (tsp) 1 fl. oz. = 2 Tbsp.

Do not (mix, store or) apply with (in) a galvanized or unlined steel (except stainless steel) sprayer or through any irrigation system.

HOW TO APPLY [Optional Illustration]

- Spray the weeds or grasses you want to kill until thoroughly wet.
- When spot treating weeds around desirable plants, shield plants from drift with a sheet (piece) of cardboard or plastic. If desirable plants are accidentally sprayed, rinse off immediately with water.

IMPORTANT: Do not spray plants or grasses you like - they will die. Not recommended for spot weed control in lawns since Glyphosate (this product) kills lawn grasses.

WHEN TO APPLY [Optional Illustration]

- Apply when weeds are actively growing. (Use anytime weeds and grasses are actively growing.)
- For best results, apply during warm, sunny weather (above 60° F) (to accelerate systemic movement from foliage to roots.)
- Apply when air is calm to prevent drift to desirable plants.
- (RAINPROOF Protection:) Rain or watering (30, 45, 60, or 90 minutes; 2 hours, 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after application will NOT wash away effectiveness.
- [OPTIONAL TEXT] If used to control weeds around fruit or nut trees, Caneberries or Grapevines, allow 17 days before harvesting.

- [OPTIONAL TEXT] Apply when weeds are small and before seeds form. Established (Hard to kill) weeds may require a repeat application.

WHEN TO REPLANT [Optional Illustration]

- All ornamental Flowers, trees and shrubs may be planted 1 day after application.
- Lawn grasses, herbs, vegetables (all), and fruits may be planted 3 days after application.

HOW TO CLEAN SPRAYER

Rinse sprayer and all sprayer parts three times with water after use. Spray rinse water on bare soil or gravel. After cleaning, sprayer may be used for other products.

ADDITIONAL INSTRUCTIONS

To Kill Vines

- If vines are growing up fences, poles, or tree trunks with mature bark, cut vines to a height of 3 to 4 feet and spray thoroughly the vines.
- If vines are climbing shrubs or tree trunks with green bark, cut vines at the base and treat as directed for stumps below or spray regrowth. If spraying regrowth, shield shrubs or green bark from spray drift with a (piece) sheet of plastic or cardboard.

To Kill Bamboo

- Cut canes close to the ground.
- Make cut just below a stem joint to create a hollow stem reservoir.
- Pour 1 tablespoonful of undiluted product into the hollow stem reservoir.
- Browning of the canes will occur in 7 to 14 days.
- Spray foliage if regrowth occurs.

To Kill Stumps

- Cut living stump close to ground.
- Drive (drill) 4 to 5 holes into freshly cut stump.
- Immediately pour undiluted product into holes.

IMPORTANT: Some trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal a shared roots system. Injury may occur to non-treated trees when one or more trees sharing common roots are treated.

For Lawn Replacement

Use this product to kill (an old) lawn and weeds before planting new lawn.

- Skip one mowing before spraying.
- Use 2.5 fluid ounces (5 Tbsp.) of this product per gallon of water for each 300 square feet.
- If soil is dry, water before application and 2 to 3 days after application.
- Reapply if green patches remain after 7 days.
- Wait (at least) 3 days after last application to rake, till or replant with seed or sod.

For Kudzu

- For best results, apply this product in mid to late summer when vines are mature and actively growing.

For Wild Blackberry

- Spray actively growing plants anytime. Dead canes should be cut down and removed. Reapplication is often needed to kill deep roots.

For Poison Ivy and Poison Oak

- Contact with these plants anytime of the year can cause allergic reactions. Spray actively growing plants anytime, but at least 4 weeks prior to first killing frost in the Fall.
- Reapply if new growth appears. Wear rubber gloves to handle dead plants. Dispose of plants and rubber gloves in tightly sealed garbage bags.

To Prepare Flowerbed and Garden (Plot)

- Use this product to kill grasses, weeds, and brush before planting Flowers, fruits, herbs, trees and shrubs or vegetables.
- If soil is dry, water before application and 2 to 3 days after application.
- Use 2.5 fluid ounces (5 Tbsp.) per gallon of water for each 300 square feet. Apply evenly over treatment area.
- Wait 1 to 3 days before planting garden (Flowers, trees and shrubs). See “When to Replant” section for details.

WHEN TO [RESEED OR] REPLANT [SPRAYED AREAS]

- The following may be planted **1 day** after application of this product: All ornamental Flowers, trees and shrubs.
- The following may be planted **3 days** after application of this product: Fruits, Herbs, Lawn grasses, Vegetables (all)

WHEN TO HARVEST

If this product is used to control weeds around fruits or nuts, allow the following number of days before harvesting:

FRUITS AND NUTS	Number of Days After Last Application of this Product
Citrus (Citron, Grapefruit, Lemon, Lime, Mandarin, Orange, Tangelo, and Tangerine)	1
Nuts (Almonds, Beechnut, Cashew, Chestnut, Hazelnut, Pecan, Pistachio, Walnut)	3
Apples, Avocado, Bananas (Plantains), Berries (except Cranberries), Dates, Figs, Grapes, Kiwi fruit, Loquat, Passion fruit, Pears, Persimmon, Pomegranate, Quince	14
Apricot, Cherries, Nectarines, Olives, Peaches, Plums, Prunes	17

(OR)

[The following statement may instead be placed in the “When To Apply” section] If used to control weeds around fruit or nut trees, Caneberries or Grapevines, allow 17 days before harvesting.

[OPTIONAL SECTION]

KILLS ALL TYPES OF (BROADLEAF) WEEDS & GRASSES, (BRUSH [TOUGH WEEDS], UNWANTED TREES, SHRUBS & VINES) [OPTIONAL ILLUSTRATION]

(Broadleaf) Weeds (including):

Artichoke thistle, Beggarweed, Black medic, Blue mustard, Blue toadflax, Brassbuttons, Broadleaf plantain, Burclover, Buttercup, Canada thistle, Cattail, Chickweed, Cocklebur, Common groundsel, Common mullein, Common plantain, Common ragweed, Creeping beggarweed, Creeping-charlie, Curly dock, Dandelion, Dog fennel, Evening primrose, False dandelion, Fiddleneck, Field bindweed (Wild morningglory), Field pennycress, Filaree, Florida pusley, Garden spurge, Henbit, Horsenettle, Horseradish, Horseweed/Marestail, Iceplant, Knapweed, Knotweed, Lambsquarters, Lantana, Little bittercress, London rocket, Mallow, Mayweed, Milkweed, Mousseear chickweed, Narrowleaf (Buckhorn) plantain, Nightshade (Silverleaf), Oldenlandia, Oxalis, Pennsylvania smartweed, Pennywort, Poison hemlock, Prickly lettuce, Primrose, Prostrate spurge, Puncturevine, Ragweed, Red clover, Redroot pigweed, Shepherdspurse, Smooth catsear, Smooth pigweed, Sowthistle, Spotted spurge, Tansy ragwort, Tansymustard, Teaweed, Trumpetcreeper, Tumble mustard, Virginia creeper, White clover, Whitetop, Wild barley, Wild mustard, Wild oats, Wild sweet potato, Yellow starthistle and other broadleaf weeds.

Grasses (including):

Annual bluegrass, Annual ryegrass, Bahiagrass, Barnyardgrass, Bentgrass, Bermudagrass, Bromegrass, Cogongrass, Crabgrass, Creeping bentgrass, Dallisgrass, Fall panicum, Fescue, Field sandbur, Foxtail, Goosegrass, Guineagrass, Johnsongrass, Kentucky bluegrass, Kikuyugrass, Lovegrass, Maidencane, Nimblewill, Nutsedge, Orchardgrass, Pampas grass, Perennial ryegrass, Purple nutsedge, Quackgrass, Sandspur, Smooth bromegrass, Sprangletop, St. Augustinegrass, Tall fescue, Texas panicum, Timothy, Torpedograss, Vaseygrass, Witchgrass, Yellow nutgrass, Zoysia and other grassy weeds

Brush (Tough Weeds), Unwanted Trees, Shrubs & Vines (including):

Alder, Ash, (Quacking) Aspen, Bamboo, Blackberry, Bluegum eucalyptus, Broom (French, Scotch), Buckwheat, Ceanothus, Chamise, Cherry, Coyote brush, Dewberry, Elderberry, Elm, Eucalyptus, Giant reed, Hawthorn, Hazel, Honeysuckle, Kudzu, Locust, Madrone, Maple, Oak, Persimmon, Poison oak, Poison ivy, Poplar, Raspberry, Sage, Sagebrush, Salmonberry, Saltcedar, Sassafras, Sumac, Sweetgum, Tan oak, Thimbleberry, Tree tobacco, Wild rose (Multiflora), Willow and other tough weeds.

[Back Panel location for guarantee box & Questions or Comments phone number]

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in original container in a safe place away from direct sunlight.

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY – CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with the directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with the directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

[ALTERNATIVE STATEMENTS

- ([Insert Company Name]) guarantees this product to the extent of the purchase price, only when used according to directions on the label. To the extent consistent with applicable law, Buyer assumes all responsibility for safety and use not in accordance with this label.)
- ([Insert Company Name]) guarantees this product to the extent of the purchase price, only when used according to directions on the label.)
- (To the extent consistent with applicable law, Buyer assumes all responsibility for safety and use not in accordance with this label.)]

Manufactured By:



(Imitator and the Drexel logo are registered trademarks of Drexel Chemical Company. All other brand names, product names, or trademarks belong to their respective owners.)

(Brand Name) is a (registered) trademark of (Name of Company). All other brand names, product names, or trademarks belong to their respective owners.

APPENDIX 1 :- Consolidated List of Label Claims

[Ordered alphabetically]

- 20% more concentrated
- 20% stronger
- 20% stronger to speed absorption to the root
- Absorbed into both broad leaf and grassy weeds
- Absorbs on contact, starts working immediately
- Also use for large jobs such as lawn renovation and vegetable and flower garden preparation
- Approved for most (many) lawn and garden uses.
- Before *[weed graphics]* / After *[weed graphics]*
- Begins absorbing on contact
- Can be used around (small) fruits and vegetables
- Can be used for habitat restoration, controlling exotic vegetation, and for site preparation of wildlife food plots.
- Can reseed or sod lawns 3 days after treatment
- Concentrated for extra value
- * Consumer Guarantee: If for any reason you are not satisfied after using this product, simply send us original proof of purchase and we will replace the product or refund the purchase price.
- Covers up to 300 sq. ft. per gallon of spray
- Covers up to [x sq. ft.]
- Dead Weeds Guaranteed * (or Your Money Back)
- Did You Know?
- Does not have soil activity
- Economical (concentrate formula)
- Easy to apply with an Ortho Dial 'n Spray®, hose-end, tank or (hand held) trigger sprayer
- Even if it rains – This product won't lose its effectiveness
- For control that doesn't (won't) wash away
- For general weed control - kills weeds and grasses in 2 to 4 weeks - roots and all
- Great Quality. Great Price. Guaranteed*
- *Our guarantee is our promise that you'll be fully satisfied with the quality of every (brand name) product. If for any reason, you aren't happy (satisfied), we will replace it or return your money – whichever you prefer. All you need to do is return the empty packaging. It's that simple. Guaranteed. Guaranteed within 1 year of the date of purchase.
- Great Value
- Guaranteed * (Satisfaction)
- Guaranteed * same effective results even if it rains within an hour (hours)
- Guaranteed Satisfaction. Open booklet for details
- How To Use
- Improved extra strength formula
- Improved formula, completely kills even the toughest weeds and grasses
- Improved formulation -now RainFast - fast uptake
- Kills almost all (annual and perennial) weeds, grasses and other unwanted plants
- Kills existing weeds only, no residual activity in soil
- Kills more weeds in more places
- Kills over 100 weeds
- Kills the root so (treated)' weeds don't [won't grow] come back [Optional - Weed Graphics]
- Kills the roots of (both) broad leaf and grassy weeds;
- Kills the weed you see and the root you don't
- Kills (to) the root(s)! (Guaranteed! *)
- Kills unwanted weeds and grasses, roots and all
- Kills weeds in flowerbeds, around trees, shrubs and fences, and on patios, paths, sidewalks, sidewalk cracks, walkways, driveways, and other areas in your yard.
- Kills weeds, roots and all
- Lawns and gardens can be reseeded or planted soon after treatment
- Make only what you need

- Money back guarantee. See back panel for details*.
- Multipurpose grass and broadleaf weed control
- No odor
- No root. No weed: No problem.
- NOW!
- Now a shorter wait for replanting!
- Once it enters the plant, it won't wash off
- Ornamental gardens can be reseeded or planted 1 day after treatment.
- Only Glyphosate's effectiveness won't be washed away by rain or watering (30, 45, 60, 90 minutes; 2 hours, 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes) after treatment. [Optional - clock graphic]
- Questions or Comments? Call (Tel. No.)
- RAINPROOF (RAINFAST) in (30, 45, 60, 90 minutes; two hours, 1 hour; less than 1 hour; less than 60 minutes; less than 30 minutes» (for control that won't wash away) [Optional - clock graphic]
- Results in 24 hours [Optional - clock graphic]
- (Insert Brand name) kills the weed you see and the root others leave behind
- (Insert Brand name) kills weeds and grasses in - Patios - Driveways - Sidewalks - Gardens and other non-lawn areas
- Satisfaction guaranteed * or we will gladly refund purchase price
- Satisfaction guaranteed * or your money back with proof of purchase
- Speeds absorption to the root for complete kill
- Spray weeds (Use) in flowerbeds, around trees, shrubs and around fences, and on patios, paths, sidewalks, sidewalk cracks, walkways, driveways, and other areas in your yard
- Starts working immediately
- Stronger
- Tougher formula
- Trusted Results for Guaranteed Satisfaction * (Open booklet for Details)
- Use around fruits and vegetables.
- (Use) For Bamboo Control
- (Use) For Brush Control
- (Use) For General Weed Control: Use along fences, paths, patios, sidewalks and driveways, around trees, shrubs, ornamental plantings, flowerbeds, and buildings, and in brick and gravel walkways. Use to trim and edge landscape areas
- (Use) For Landscaping: Use to prepare areas for planting of Ornamentals, trees, shrubs, desert landscapes, rock gardens, flowerbeds or similar plantings
- Use for large jobs like garden plot preparation and lawn replacement (renovation)
- (Use) For Lawn Renovation
- (Use) For Spot Spraying: Use in and around flowerbeds, ornamental, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways
- (Use) For Stumps
- (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 remove unwanted plants.
- (Use in) Apply with a Big Shot™ Multi-Purpose Sprayer or other tank sprayer, Ortho Dial 'n Spray® or other hose-end sprayer, or a (hand held) trigger sprayer
- Use to prepare sites: for large plantings, for planting flowerbeds, fruit trees, Ornamentals, vegetables and gardens, and for renovating lawns
- Use to refill (insert Brand name) Ready-To-Use containers
- Visible effects are gradual wilting and yellowing advancing to complete browning and root destruction.
- Visible results in 2 to 4 days (hours) [Optional - clock graphic]
- (Weeds) start dying in 1 day (24 hours) [Optional - clock graphic]
- What to Know
- Where it Works

- [Optional] With convenient measuring cup
- Won't wash away (off)
- Works first time, every time - guaranteed
- Works only when absorbed by the foliage

[Promotional options]

- Free [] with this purchase of this product
- [X] % Free (More)
- [#] REFILLS
- FREE REFILL
- FREE SAMPLE
- Free weed guide inside
- SAMPLE NOT FOR SALE
- Save up to six on (your) next purchase

APPENDIX 2 - Packaging Related Claims

NET xx qt or gal (fl oz) (xx mL or L)
5 fl oz (148 mL)
6 fl oz (177 mL)
6.5 fl oz (192 mL)
8 fl oz (237 mL)
13 fl oz (384 mL)
1 pt (16 fl oz) (473 mL)
1 qt (32 fl oz) 946 mL)
40 fl oz (1.18 L)
0.42 gal (53.7 fl oz) (1.59 L)
64 fl oz (1.89 L)
1 gal (128 fl oz) (3.79 L)

[Net contents] Makes up to 'X' gallons
Makes between 'X' and 'Y' gallons
Mix with water to make 'X' gallons of spray solution
Treats (covers) up to 'Z' sq. ft. (approximate size of XX tennis court)
Mix with water to cover up to 'Z' sq. ft.
 $[X = \text{net contents} / 1.5]$
 $[Y = \text{net contents} / 2.5]$
 $[Z = X * 300]$
 $[XX = Z / 2808]$

[Pint] Makes up to 10 gallons
Makes between 6 - 10 gallons
Mix with water' to make 10 gallons of spray solution
Covers up to 3,000 sq. ft.
Mix with water to cover up to 3,000 sq. ft.

[Quart] Makes up to 21 gallons
Makes between 12 - 21 gallons
Mix with water to make 21 gallons of spray solution
Covers up to 6,300 sq ft
Mix with water to cover up to 6,300 sq. ft.

[0.42 Gallon] Makes up to 35 gallons.
Makes between 21 - 35 gallons
Mix with water to make 35 gallons of spray solution'
Covers up to 10,500 sq. ft.
Mix with water to cover up to 10,500 sq. ft.

[Gallon] Makes up to 85 gallons
Makes between 51 - 85 gallons
Mix with water to 85 gallons of spray solution
Covers up to 25,500 sq. ft.
Mix with water to cover up to 25,500 sq. ft.

- Larger size, covers up to [] sq. ft.
- BONUS SIZE [] % MORE!
- Value sized
- *With (the convenient) measuring cup, mixing [Insert brand name] (controlling weeds around your home) has never been easier*
- *With (the convenient) measuring cup, controlling weeds all around your home has never been this fast and easy*