ACTIVE INGREDIENT:
Glyphosate, N-phosphonomethylglycine, in the form of its isopropylamine salt

CONTAINS 480 grams per liter or 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 366 grams per liter or 3 pounds per U.S. gallon of the acid, glyphosate.

KEEPCARE OUT OF REACH OF CHILDREN

CAUTION

Manufactured by:
Ritter Chemical LLC
P.O. Box 433274
Houston, TX 77243

EPA Reg. No. 9468-33
EPA Est. No. 008468-09-001
EPA Est. No. 008468-99-002
Formulated in the USA

FIRST AID

If in eyes:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor. For information on this product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 9 a.m. to 5 p.m. After 5:00 p.m., call your poison control center at 1-800-222-1222.

NOTE TO PHYSICIAN: Likely mucosal damage may contraindicate the use of gastric lavage.

Agricultural Uses

Avoid contact of Herbicide with foliage, green stems, exposed non-woody roots or fruit of crops (except as specified for individual Roundup Ready® crops, desirable plants and trees, because severe injury or destruction may result.)

Herbicidal for Roundup Ready® Crops

Selective broad-spectrum weed control in Roundup Ready® crops. Non-selective, broad-spectrum weed control for many cropping systems, farmlands and Conservation Reserve Program acres.

Not all products recommended on this label are registered for use in California. Check the registration status of each product in California before using. Read the entire label before using this product. Use only according to label instructions. Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return it once unopened. THIS IS AN END-USE PRODUCT. RITTER CHEMICAL LLC DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

1.0 INGREDIENTS

ACTIVE INGREDIENT:
*Glyphosate, N-phosphonomethylglycine, in the form of its isopropylamine salt

OTHER INGREDIENTS:

*Contains 480 grams per liter or 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 366 grams per liter or 3 pounds per U.S. gallon of the acid, glyphosate.

2.0 IMPORTANT PHONE NUMBERS

1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL COLLECT, 1-713-463-5407.
2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL THE NATIONAL PESTICIDE INFORMATION CENTER AT 1-800-858-7378, MONDAY THROUGH FRIDAY, 9 A.M. TO 5 P.M. AFTER 5:00 P.M., CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.

3.0 PRECAUTIONARY STATEMENTS

3.1 CAUTION: Hazards to Humans and Domestic Animals

CAUSES MODERATE EYE IRRITATION. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

FIRST AID

If in eyes:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor. For information on this product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 9 a.m. to 5 p.m. After 5:00 p.m., call your poison control center at 1-800-222-1222.

NOTE TO PHYSICIAN: Likely mucosal damage may contraindicate the use of gastric lavage.
DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear: long-sleeved shirt and long pants, and shoes plus socks, and chemical-resistant gloves.
Follow manufacturer’s instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
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(4)(6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations
Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

3.2 Environmental Hazards
Do not apply directly to water, to areas where surface water is present or to intersected areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

[For products over 5 gallons] Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

3.3 Physical or Chemical Hazards
Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, 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 UNLINEED 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. The 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. This product can only be used in accordance with the Directions for Use on this label or in separately published Ritter Chemical LLC Supplemental Labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements for the protection of agricultural workers in fields, forests, nurseries, and greenhouses; and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.
PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, chemical-resistant gloves greater than 14 mils in thickness composed of materials such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber, and shoes plus socks.

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Non-Agricultural Use Requirements
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 190). 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.

STORAGE AND DISPOSAL
Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Pesticide Storage: Keep container closed to prevent spills and contamination. Store this product in a cool, dry place out of reach of children and domestic animals. Store in original container only. Do not allow this product to freeze.
Pesticide Disposal: Wastes resulting from the use of this product that cannot be reused or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

Empty Container Disposal:
[FOR NONREFILLABLE CONTAINERS LESS THAN 5 GALLONS] Nonrefillable container: Do not reuse or refill this container. Place the container in the trash.

[FOR NONREFILLABLE CONTAINERS GREATER THAN 5 GALLONS] Nonrefillable container: Do not reuse or refill this container. Place the container in the trash.

Empty container for equivalent promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds. Pour rinse into application equipment or a mix tank and drain for 10 seconds. Pour rinse into application equipment or a mix tank and drain for 10 seconds. Pour rinse into application equipment or a mix tank and drain for 10 seconds.

Storage and Disposal:
Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

4.0 GENERAL INFORMATION
(How this product works)
Product Description: This product is a postemergent, systemic herbicide with no soil residual activity. It is generally non-selective and gives broad spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid. It may be applied through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

Time to Symptoms: This product moves through the plant from the point of foliage contact to end 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 development of visible symptoms. Visible effects are a gradual wilting and yellowing of the plant that advances to complete browning of above-ground growth and deterioration of underground plant parts.

Stage of Weeds: Annual weeds are easiest to control when they are small. Best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity. Refer to the "Annual Weeds," "Perennial Weeds" and "Woody Brush and Trees Rate Tables" for recommendations for specific weeds.

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

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

Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.
5.0 MIXING

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

NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS VISIBLY MUDDY WATER OR WATER FROM PONDS AND DITCHES THAT IS NOT CLEAR.

5.0 Mixing with Water

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 recommended amount of this product near the end of the filling process and mix well. Use caution to avoid spilling back into the tank 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 agitation. Terminate by-pass and return lines at the base of the tank and, if needed, use an approved anti-foam or defoaming agent.

6.1 Tank Mixing Procedure

Mix labeled tank mixtures of this product with water as follows:
1. Place a 20- to 35-mesh screen or wetting agent into the tank. Continue agitation until all dry matter is dissolved.
2. Slowly add 12 to 30 gallons of water to the tank. Continue agitation until all dry matter is dissolved.
3. Add ammonium sulfate and mix well. Continue agitation until all dry matter is dissolved.
4. Add water to bring the tank to the required liquid volume.
5. Add redox indicator and mix well. Continue agitation until all dry matter is dissolved.
6. Add surfactant and mix well. Continue agitation until all dry matter is dissolved.
7. Add water to bring the tank to the required liquid volume.
8. Add colorant and mix well. Continue agitation until all dry matter is dissolved.

6.2 Mixing for Hand-Held Sprayers

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

<table>
<thead>
<tr>
<th>Spray Solution</th>
<th>1%</th>
<th>2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1%</td>
<td>1 pt</td>
<td>1 gal</td>
</tr>
<tr>
<td>2%</td>
<td>2 pt</td>
<td>2 gal</td>
</tr>
<tr>
<td>5%</td>
<td>5 pt</td>
<td>5 gal</td>
</tr>
<tr>
<td>10%</td>
<td>10 pt</td>
<td>10 gal</td>
</tr>
</tbody>
</table>

For use in knapsack sprayers, it is suggested that the recommended amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

6.3 Ammonium Sulfate

The addition of 1 to 2 percent dry ammonium sulfate by weight or 0.5 to 1.7 pounds per 100 gallons of water may increase the performance of this product, particularly under hard water conditions, drought conditions, or when tank mixed with certain residual herbicides, on annual and perennial weeds. The equivalent rate of ammonium sulfate in a liquid formulation may also be used. Ensure that dry ammonium sulfate is completely dissolved in the spray tank before adding the product.

NOTE: When using ammonium sulfate, apply this product at rates recommended in this label. Lower rates will result in reduced performance.

6.4 Surfactants

Nonionic 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 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 70 percent active ingredient, or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 70 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

6.5 Colorants or Dyes

Agrochemical-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 recommendations.

6.6 Drift Control Additives

Drift control additives may be used with all equipment types, except wiper applicators, sprig gun or Controlled Droplet Applicator (CDA) equipment. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label. The use of drift control additives can affect spray coverage which may result in reduced performance.

7.0 APPLICATION EQUIPMENT AND TECHNIQUES

Do not allow the herbicide solution to drip, drop, 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.

Do not apply this product through any type of irrigation system. This product may be applied with the following application equipment:
- Aerial—Fixed Wing and Helicopter
- Ground Broadcast Spray—Boom or boomless systems, pull-type sprayers, floaters, pick-up sprayers, spray couplers and other ground broadcast equipment.
- Hand-Held or High-Volume Spray Equipment—Knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers), lances and other hand-held and motorized spray equipment used to direct the spray onto weed foliage.

*Product is not registered in California or Arizona for use in mistblowers.

Selective Equipment—Recirculating sprayers, shielded and hooded sprayers, wiper applicators and sponge bars.

Injection Systems—Aerial or ground injection sprayers.
7.1 Aerial Equipment

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

Use the recommended rates of this herbicide in 3 to 15 gallons of water per acre unless otherwise specified on this label. Unless otherwise specified, do not exceed 1 quart per acre. Refer to the individual use areas sections of this label for recommended volumes, application rates, and further instructions.

This product plus dicamba tank mixtures may not be applied by air in California. For Aerial Applications in Fresno County, California or Mississippi, see below for specific instructions, restrictions, and requirements in those regions.

Ensure uniform application - avoid streaked, uneven or overlapped application, use appropriate spraying devices.

AERIAL SPRAY DRIFT MANAGEMENT

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 outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward, parallel with the airstream and never be pointed downward more than 45 degrees. Where states have more stringent regulations, they should 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 the “Wind”, “Temperature and Humidity”, and “Temperature Inversions” sections of this label).

Controlling Droplet Size

- Volume: Use high-volume nozzles to apply the highest practical spray volume. Nozzles with the 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 lower-volume nozzles instead of increasing pressure.
- Number of nozzles: Use the minimum number of nozzles that provide uniform coverage.

Nosele orientation: Orienting the nozzles so that the spray is released backwards parallel to the airstream will produce larger droplets than other orientations. Significant deviation from the horizontal will reduce droplet size and increase drift potential.

- Nozzle types: Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-flow-nozzles. Solid spray nozzles oriented straight back produce larger droplets than other nozzle types.
- Boom length: For some uses, patterns, reducing the effective boom length to less than 3/4 of the wing span or rotor length may further reduce drift without reducing swath width.
- Application height: Application height should not be 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 the exposure of the droplets to evaporation and wind.

Swath Adjustment

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

Wind

Drift potential is lowest between wind speeds of 2 to 10 miles per hour. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 miles per hour 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 should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes large spray droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the 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. The are least likely to form as the sun sets and increase through the night. 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 slowly in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The product should only be applied when the potential to adversely affect sensitive 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).

Avoid direct application to any body of water.

Aircraft Maintenance

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 IS MOST SUSCEPTIBLE. The maintenance of an organic coating paint, which meets aerospace specification MIL-C-55413, may prevent corrosion.

FOR AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY

See “GENERAL INFORMATION”, “MIXING”, “APPLICATION EQUIPMENT AND TECHNIQUES”, and “AERIAL SPRAY DRIFT MANAGEMENT” sections of the label booklet for essential product information prior to making aerial application.

See “CROPS” section of the label booklet for specific recommendations on the use of this product.

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS, DESIRABLE PLANTS AND TREES BECAUSE SEVERE INJURY IS LIKELY TO RESULT.

FOR FRESNO COUNTY, CA ONLY

From February 15 through March 31 only

For aerial application outside these dates, refer to the above section of this label.

This section only applies to the area contained inside the following boundaries within Fresno County, California only.

- North: Fresno County line
- South: Fresno County line
- East: State Highway 99
- West: Fresno County line

General Information

Always read and follow the label directions and precautionary statements for all products used in the aerial application. Observe the following directions to minimize off-site movement during aerial application of ALECTO 41HL. Minimization of off-site movement is the responsibility of the grower, Pest Control Advisor, and aerial applicator.

Written Recommendations

A written recommendation MUST be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to application. This written recommendation MUST state the proximity of surrounding crops, and that conditions of each manufacturer’s applicable product label(s) and this label have been satisfied.

Aerial Applicator Training and Equipment

Aerial application of ALECTO 41HL is limited to pilots who have successfully completed a Fresno County Agricultural Commissioner and California Department of Pesticide Regulation approved training program for aerial application of herbicides. All aircraft must be inspected, calibrated in flight, and certified at a Fresno County Agricultural Commissioner approved by-Fly-in. Test and calibrate spray equipment at intervals sufficient to assure that proper rates of herbicides and adjuvants are being applied. Engineering maintenance, repair and replacement of equipment that results in increased or decreased spraying capacity consumes such documentation. Other written records showing calculations and measurements of flight and spray parameters acceptable to the Fresno County Agricultural Commissioner.
Application at night—Do not apply this product by air earlier than 30 minutes prior to sunrise and/or later than 30 minutes after sunset without prior permission from the Fresno County Agricultural Commissioner.

FOR AERIAL APPLICATIONS IN MISSISSIPPI

Aerial Application Restrictions:
Aerial application is prohibited in Zone I, south of Highway 8 in the counties listed below, from March 15 through April 30, except by permit from an authorized employee of the Mississippi Department of Agriculture and Commerce, Bureau of Plant Industry (Ph. 1-800-257-1205).

Aerial application is prohibited in Zone II, north of Highway 8 in the counties listed below, from March 25 through April 30, except by permit from an authorized employee of the Mississippi Department of Agriculture and Commerce, Bureau of Plant Industry (Ph. 1-800-257-1205).

The Bureau of Plant Industry may at any time, based on current planting and environmental conditions modify the above restrictions for either zone or county therein.

Zone I—South of Highway 8 in the counties of Bolivar, Sunflower, LeFlore, and Grenada plus the entire counties of Carroll, Holmes, Humphreys, Washington, Sharkey, Issaquena, Tippo and Warren.

Zone II—North of Highway 8 in the counties of Bolivar, Sunflower, LeFlore, and Grenada plus the entire counties of Tallahtachie, Tate, Quitman, Coahoma, Tunica, Panola and Desoto.

7.2 Ground Broadcast Equipment

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

7.3 Hand-Held or High-Volume Equipment

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. Use coarse sprays only. For recommended rates and timing, refer to the "ANNUAL WEEDS—HAND HELD OR HIGH VOLUME EQUIPMENT" section of this product label.

7.4 Selective Equipment

This product may be applied through recirculating spray systems, shielded applications, hooded sprayers, veepr with splatters, or with nozzles, bar or tunnel through a windrow, to fixed or mobile windrows growing in any crop. The spray nozzle should be positioned to achieve an even application. In spraying, hooded nozzles, shielded sprayers, and veepr may be used in rows together (in between rows of crop plants) where any crop or weed will not overlap the crop foliage. Such equipment must be capable of preventing all crop contact with herbicide solution and operated without leakage of spray mist into the field. Sprays over-the-top of crops may be used only when specifically recommended in this product's labeling.

AVOID CONTACT WITH HERBICIDE WITH DESIRABLE VEGETATION.

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

Applications made above the crop should be adjusted so that the weeds are a minimum of 6 inches above the herbicide solution. 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 treatment may be necessary.

Recirculating Spray System

A recirculating spray system directly 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.

Shielded and Hooded Applications

When applications described in the preceding paragraphs for shielded and hooded applications, this product at recommended rates will control those weeds described in the "ANNUAL WEEDS RATE TABLE" and "PERENNIAL WEEDS RATE TABLE" sections of this label. A hooded sprayer is a type of shielded applications where the spray pattern is fully directed by the spray nozzle, without the use of a shield. The spray pattern of a hooded sprayer is typically more uniform than that of a shielded sprayer.

When applying to crops grown on raised beds, ensure that the hood is designed to completely enclose the spray solution. If necessary, extend the front and rear faces of the hood to reach the ground in deep furrows. EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH HERBICIDE WITH DESIRABLE VEGETATION.

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This equipment must be set up in a manner that avoids bouncing or raising the hogs off the ground in any way. If the hogs are raised, spray particles may escape and come into contact with the crop, causing damage or destruction of the crop. Avoid operation on rough or sloping ground where the spray hogs might be raised off the ground.

Use hogs designed to minimize excessive dripping or run off down the sides of the hogs. A single, low pressure-low drift flat-fan nozzle with an 80 to 90 degree spray angle positioned at the top center of the hog is recommended. Spray volume should be 20 to 30 gallons per acre.

These procedures will reduce the potential for crop injury;

- The spray hogs must be operated on the ground or smallening across the ground.
- Leave at least an 8-inch untreated strip over the drill row. For example, if the crop row width is 30 inches, the maximum width of the spray row should be 30 inches.
- Maximum tractor speed: 5 miles per hour to avoid bouncing of the spray hogs.
- Maximum wind speed: 10 miles per hour.
- Use spray nozzles that provide uniform coverage within the treated area.

Crop injury may occur when the foliage of treated weeds comes into direct contact with the leaves of the crop. Do not apply this product when the leaves of the crop are growing in direct contact with weeds to be treated. Droplets, mist, foam, or splatter of the herbicide solution may contact the crop and cause discoloration, stunting, or destruction.

Wiper Applicators

When applied under the conditions described in the following paragraphs, this product CONTROLS many weeds, including volunteer corn, Texas panicum, common purslane, shepherds purse, sheep sorrel, pokebush, spurge, pigweed, Bindweed, sunflower, Canada thistle, musk thistle, vassay, ragweed, milkweed, silverleaf, dusty miller, jojoba, parthenium, lightfoot, and lambsquarters. BLOODWEED, SNAKEWEED, and SMEATWEED are not controlled by this product.

Wiper applicators are devices that physically wrap appropriate amounts of this product directly onto the weed. Equipment must be designed, maintained, and prevented from the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds of not greater than 5 miles per hour. Performances may be improved by reducing speed in areas of heavy weed infestations to ensure adequate wiper saturation. Better results may be obtained if two applications are made in opposite directions. Adjust height of applicator to ensure adequate contact with weeds. Keep wiping surfaces clean. Be aware that, if the applicator is set too low, the herbicide solution may migrate, causing dropping to the lower end and drying of the leaves on the upper end of the wiper applicator.

Do not use wiper equipment when weeds are wet. Mix only the amount of solution to be used in 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—Mix 1 gallon of this product with 2 gallons of water to prepare 33 percent solution. Apply this solution to weeds listed above in this section.

For Panel Applicators—Solutions ranging from 33 to 100 percent of this product in water may be used in panel wiper applicators.

7.5 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 concentrate of other products when using injection systems.

7.6 CDA Equipment

To apply the product at the rate of 2 pounds of active ingredient per acre by vehicle-mounted CDA equipment must not be less than the amount recommended in this label when applied by conventional broadcast equipment. For vehicle-mounted CDA equipment, apply 2 to 15 gallons of water per acre.

For the control of annual weeds with hand-held CDA units, apply 20 percent solution of this product at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 miles per hour (1 quarter per ac). For the control of perennial weeds, apply a 20 to 40 percent solution of this product at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 miles per hour (2 to 4 quarts per acre).

Controlled droplet application equipment produces a spray pattern that 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 may result.
8.0 ANNUAL AND PERENNIAL CROPS (Alphabetical)

NOTE: This section gives general directions that apply to all listed crops within section 8 grouped alphabetically. See the individual crop categories for specific instructions, preharvest intervals, and additional precautions and restrictions. See the "ROUNDUP READY CROPS" section of this label or separately published Ritter Chemical LLC Supplemental Labeling for instructions on treating Rondup Ready crops.

TYPES OF APPLICATIONS: Chemical Fallow, Preplant Fallow Beds, Preplant, Preemergence, At-Planting, Hooded Sprayers in Row-Middles, Shielded Sprayers in Row-Middles, Wiper Applications in Row-Middles, and Post-Harvest Treatments.

GENERAL USE INSTRUCTIONS: Apply this product during fallow intervals preceding planting, prior to planting or transplanting, at-planting, or preemergent to annual and perennial crops listed in this label, except where specifically limited. For any crop not listed in this label, applications must be made at least 30 days prior to planting. Unless otherwise specified, when control applications may be made in accordance with the rates listed in "ANNUAL WEEDS", "PERENNIAL WEEDS", and "WOODY BRUSH AND TREES RATE TABLES" in this label. Repeat applications may be made to a maximum of 8 pounds per acre per year.

Post-directed hooded sprayers and wiper equipment capable of preventing all crop contact with herbicide solutions may be used in mulched or unmulched row middles after crop establishment. Where specifically noted below, wipers may also be used above certain crops to control weed growth. Refer to the "Selective Equipment" section of this label for essential precautions when using hooded sprayers or wipers to avoid crop injury caused by leakage of spray mist or dripping onto crops. Crop injury is possible with these applications and shall be the sole responsibility of the applicator. The maximum use rates stated throughout this product 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.

GENERAL PRECAUTIONS, RESTRICTIONS: Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. When making preemergence and at-planting applications, applications must be made before or on landings to avoid severe crop injury. Broad applications made at emergence will result in injury or death to emerged seedlings. Apply before seed germination in coarse sandy soils to further minimize the risk of injury. Unless otherwise specified in this product's labeling, treatments with selective equipment including wipers and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-tolerant crop. See "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information.

In crops where spot treatments are allowed, do not treat more than 10 percent of the total field to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area for the same reason.

For broadcast preemergent treatments, do not harvest or feed treated vegetation for 8 weeks following application, unless specifically stated.

8.1 Cereal and Grain Crops

LABELED CROPS: Barley, Buckwheat, Milllet (pearl, proso), oats, Rice, Rye, Quinoa, Tef, Triticale, Triticum, Wheat (all types), Wild Rice.

PRECAUTIONS, RESTRICTIONS: Do not treat rice fields or levees when field contains water.

TYPES OF APPLICATIONS: Those listed in Section 8.0 plus the following: Red Rice Control Prior to Planting Rice, Spot Treatment (except Rice), Over-the-Top Wiper Applications (Feed Barley and Wheat only), Preplant, Preemergence, At-Planting.

USE INSTRUCTIONS: This product may be applied before, during or after planting of cereal crops. Applications must be made prior to emergence of the crop.

Red Rice Control Prior to Planting Rice

USE INSTRUCTIONS: Apply 1.5 quarts of this product in 5 to 10 gallons of water per acre. Flush fields prior to application to obtain uniform germination and stand of red rice. Make application when the majority of the red rice plants are in the 2-leaf stage and no more than 4 inches tall. Red rice plants with less than 2 true leaves may be only partially controlled.

PRECAUTIONS, RESTRICTIONS: Avoid applying during low humidity conditions, as reduced control may result. Do not treat rice fields or levees when the fields contain foodwater. Do not re-flower treated fields for 6 days following application.

Spot Treatment (except Rice)

USE INSTRUCTIONS: This product may be applied as a spot treatment in cereal crops. Apply this product before heading in small grains.

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PRECAUTIONS, RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area for the same reason.

Over-the-Top Wiper Applications (Feed Barley and Wheat only)

USE INSTRUCTIONS: Wiper applications may be used in feed barley and wheat. To control common eye or cereal rye, apply after the weeds have headed and achieved maximum growth, and when the eye is at least 6 inches above the wheat crop.

PRECAUTIONS, RESTRICTIONS: Allow at least 8 days between application and harvest. Do not use roller applicators.

Preplant, Preemergence, At-Planting

USE INSTRUCTIONS: This product provides weed control when applied prior to harvest of wheat or feed barley. For wheat, apply after the hard-dough stage of grain (30 percent or less grain moisture). For feed barley, apply after the hard-dough stage and when the grain contains 20 percent moisture or less. Stubble may be grazed immediately after harvest.

This product may be applied using either aerial or ground spray equipment. For ground applications, apply this product in 10 to 20 gallons of water per acre. For aerial applications, apply this product in 3 to 10 gallons of water per acre.

PRECAUTIONS, RESTRICTIONS: Do not apply more than 1 quart of this product per acre, Allow 7 days between application and harvest or grazing. Preharvest application is not recommended for wheat or barley grown for seed, as a reduction in germination or vigor may occur.

Post-Harvest

USE INSTRUCTIONS: This product may be applied after harvest of cereal crops. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.

PRECAUTIONS, RESTRICTIONS: For crop not listed on this label, applications must be made at least 30 days prior to planting the next crop. Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

8.2 Corn

TYPES OF CORN: Field Corn, Seed Corn, Stalk Corn, Sweet Corn and Popcorn.

TYPES OF APPLICATIONS: Chemical Fallow, Preplant Fallow Beds, Preplant, Preemergence, At-Planting, Hooded Sprayers in Row-Middles, Shielded Sprayers in Row-Middles, Wiper Applications in Row-Middles, Preharvest and Post-Harvest Treatments.

For Roundup Ready corn, see the ROUNDUP READY CROPS section of this label.

USE INSTRUCTIONS: This product may be applied alone or in a tank-mixure before, during or after planting corn. Applications must be made prior to emergence of the crop.

TANK MIXTURES: Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, 2-A-D, Atrazine®

Atril®

Axion®

Balance®

Decis®

D解散®

Duodec®

Eclipse®

Flexi-Stim®

Frontal®

Outlook®

Hannex Xtra 5.5®

Micro-Tech®

Prowl®

Pythion®

Simazine®

Topknock®

This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site.

For herbicide control annual weeds such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, this product may be applied at 2 quarts per acre in these tank mixtures. For other labeled annual weeds, apply 1.5 to 2 quarts per acre of this product per acre. When weeds are less than 6 inches tall, and 2 to 3 quarts when weeds are over 6 inches tall. When using nitrogen solutions as the carrier, use rate control only.

PRECAUTIONS, RESTRICTIONS: Applications of 2-A-D or dicamba must be made at least 7 days prior to planting corn. For Southern states, do not apply in nitrogen solution applications of 2-A-D or dicamba to seedbeds as barnyardgrass, fall panicum, broadleaf signalgrass, slender panicum, and any perennial weeds. The area covered by this recommendation includes from Route 50 Southern Illinois and Indiana the following states: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, New Jersey, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.

HOODED SPRAYERS

USE INSTRUCTIONS: This product may be used through hooded sprayers for weed control between the rows of corn. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instructions for the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

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PRECAUTIONS, RESTRICTIONS: Corn must be at least 12 inches tall, measured without extending tasseled. 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. Do not apply more than 1 quart of this product per acre for each application and no more than 3 quarts per acre per year for hooded sprayer applications.

Spot Treatment
USE INSTRUCTIONS: For spot treatments, apply this product prior to silking of corn.
PRECAUTIONS, RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area for the same reason.
TYPES OF APPLICATIONS: Those listed in Section 8.0 plus the following: Preharvest.

Preharvest
USE INSTRUCTIONS: Make applications at 35 percent grain moisture or less. Ensure that maximum kernel fill is complete and the corn is physiologically mature (black layer formed). For ground application, apply up to 3 quarts of this product per acre. For aerial applications, apply up to 2 quarts of this product per acre.
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Preharvest application is not recommended for corn grown for seed, as a reduction in germination or vigor may occur.

Post-Harvest
USE INSTRUCTIONS: This product may be applied after harvest of corn, higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

8.3 Cotton

TYPES OF APPLICATIONS: Those listed in Section 8.0 plus the following: Selective Equipment, Spot Treatment, Preharvest.

Preplant, Preemergence, At-Planting
USE INSTRUCTIONS: This product may be applied before, during or after planting cotton. Applications must be made prior to emergence of the crop.

Hooded Sprayer, Selective Equipment
USE INSTRUCTIONS: This product may be applied through hooded sprayers, recirculating sprayers, shielded applicators or wiper applicators in cotton. Allow at least 7 days between application and harvest.
PRECAUTIONS, RESTRICTIONS: See the "Selective Equipment" part of the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information on proper use and calibration of this equipment.

Spot Treatment
USE INSTRUCTIONS: For spot treatments, apply this product prior to boll opening of cotton.
PRECAUTIONS, RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in the treated area will be killed.
Take care to avoid drift or spray outside target area for the same reason.

Preharvest
USE INSTRUCTIONS: This product controls weed control and cotton regrowth inhibition when applied prior to harvest of cotton. For weed control, apply at rates given in the "ANNUAL WEEDS", "PERENNIAL WEEDS" and "WOODY BRUSH AND TREES RATE TABLES" sections of this label. For cotton regrowth inhibition, apply 1 pint to 2 quarts of this product per acre.
Up to 2 quarts of this product may be applied using either aerial or ground spray equipment. Apply after sufficient bolts have developed to produce the desired yield of cotton. Applications made prior to this time could affect maximum yield potential.

TANK MIXTURES: This product may be tank mixed with DEF®, Flexs®, Flexstar®, or Prep® to provide additional enhancement of cotton leaf crop.
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 7 days between application and harvest of cotton. Preharvest application is not recommended for cotton grown for seed, as a reduction in germination or vigor may occur. THE USE OF ADDITIVES OTHER THAN THOSE LISTED ON THIS LABEL, FOR PREHARVEST APPLICATION TO COTTON IS PROHIBITED.

8.4 Fallow Systems

LABELED CROPS: This product may be applied during the fallow period prior to planting or emergence of any crop on this label.

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8.5 Grain Sorghum (Milo)

TYPES OF APPLICATIONS: Those listed in Section 8.0 plus the following: Spot Treatment, Over-the-Top Wiper Applications, Preharvest.

Preplant, Preemergence, At-Planting
USE INSTRUCTIONS: This product may be applied alone or in tank-mixtures before, during or after planting grain sorghum. Applications must be made prior to emergence of the crop.

TANK MIXTURES: Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

Atrazine
Bullet
Biloxi II MAGNUM
Lariat
Dust II MAGNUM
Micro-Tech

This product may be tank-mixed with the products listed providing that the product with the tank-mixed is registered for use on this site.

For difficult-to-control annual weeds such as tall parthenium, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass use 2 inches tall, and Pennsylvania smartweed up to 6 inches tall. Use one of these 2 products in 2 to 3 quarts per acre in these tank mixtures. For other labeled annual weeds, apply 1.5 to 2.5 quarts of this product per acre when weeds are less than 6 inches tall, and 2 to 3 quarts per acre when weeds are over 6 inches tall. When using nitrogen solutions as the carrier, the use rate may need to be increased for acceptable weed control.

Spot Treatment, Over-the-Top Wiper Applications
USE INSTRUCTIONS: This product may be applied as a spot treatment in grain sorghum. Make spot treatments before heading of milo. This product may be applied with wiper applicators to control or suppress the weeds listed under "Wiper Applicators" in the "Select Equipment" section of this label.
PRECAUTIONS, RESTRICTIONS: For spot treatment, do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in treated area will be killed. Take care to avoid drift or spray outside target area for the same reason.

For wiper applicators, allow at least 40 days between application and harvest. Do not use other applicators. Do not feed or graze treated milo fodder. Do not allow treated vegetation.
Hooded Sprayers

USE INSTRUCTIONS: This product may be used through hooded sprayers for weed control between the rows of milo. Only hooded sprayers that completely enclose the spray system may be used. See additional instructions for the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

Crop injury may occur when the foliage of treated weeds comes into direct contact with leaves of the crop. Do not apply this product when the leaves of the crop are growing in direct contact with weeds to be treated. Droplets, mist, foam or splatter of the herbicide solution may contact the crop and cause discoloration, burning or death.

PRECAUTIONS, RESTRICTIONS: Milo must be at least 12 inches tall, measured without extending leaves. Treat before milo sends tillers between the drill rows. If such tillers are contacted with the spray solution, the main plant may be killed. 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. Do not apply more than 1 quart of this product per acre per application and no more than 3 quarts per acre per year for hooded sprayer applications.

Preharvest

USE INSTRUCTIONS: Make applications at 30 percent grain moisture or less.

PRECAUTIONS, RESTRICTIONS: Do not apply more than 2 quarts of this product per acre. As with other herbicides that cause sudden plant death, avoid preharvest applications of this product to milo infected with charcoal rot as lodging can occur. Allow a minimum of 7 days between application and harvest of sorghum. Preharvest application is not recommended for sorghum grown for seed, as a reduction in germination or vigor may occur. The use of this product for preharvest grain sorghum (milo) is not registered in California.

Post-Harvest

USE INSTRUCTIONS: This product may be applied after harvest of grain sorghum. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.

This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site. This product may be applied to grain sorghum (milo) stubble following harvest to suppress or control regrowth. Apply 1 quart of this product per acre for control, or 1.25 quarts of this product per acre for suppression.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

8.6 Herbs and Spices

Labeled Crops: Alfalfa, Angelica, Star anise, Aniseed (seed), Basil, Basil, Boragora, Bupari, Cenizo, Caper buds, Catechu, Balsam caraway, Cardamom, Cassia bark, Cassia buds, Catnip, Celery seed, Chamomile, Chinese chive, Cinnamon, Clay, Clove buds, Coriander leaf (cilantro or Chinese parsley), Coriander seed (cilantro), Cumin, Celery (seed), Cumin, Coriander, Cilantro, Dill (dillweed), Dill (dillseed), Dill (dillseed), Dill (dillseed), Dill (dillweed), Eucalyptus, Fenugreek, Purple clover, Grains of paradise, Horehound, Hyssop, Juvern (seed), Lavender, Lemongrass, Lavage (leaf and seed), Mate, Marigold, Marigold (including orange), Mexican chile, Missouri clover, Mustard (seed), Nasturtium, Nutmeg, Parsley (dried), Pennyroyal, Pepper (black and white), Pepper leaves, Poppy, Oregano (seed), Rosemary, Rue, Saffron, Sage, Saffron (summer and winter), Spearmint, Stevia leaves, Sweet bay, Tangerine, Thyme, Vanilla, Wintergreen, Woody, Wormwood

Types of Applications: Those listed in Section 2.5 and the following: Over-the-Top Wiper Applications (Peppermint and Spearmint only), Spot Treatments (Peppermint and Spearmint only)

PRECAUTIONS, RESTRICTIONS: When applying this product prior to transplanting or direct-seeding crops into plastic mulch, care must be taken to remove residue from product, which could cause crop injury from the plastic prior to planting. Residue can be removed by a single 0.5-inch application of water, either by natural rainfall or via a sprinkler system. For some crops below, it is recommended to make applications 3 days before transplanting or planting.

Over-the-Top Wiper Applications, Spot Treatments (Peppermint and Spearmint only)

USE INSTRUCTIONS: This product may be used as a spot treatment or wiper application in peppermint and spearmint. Apply spot treatments on a spray-to-wet basis with the recommended spray equipment, such as backpack and knapsack sprayers, hand-held pressure sprayers, hand-pumps, hand-wand or other hand-held or motorized spray equipment used to direct the spray solution to a limited area. In wiper applications, the applicator should be adjusted so that the wiper contact point is at least 2 inches above the crop. Weeds should be a minimum of 6 inches taller than the crop.

PRECAUTIONS, RESTRICTIONS: Allow at least 7 days between application and harvest. Further applications may be made within the same area at 30-day intervals. In spot treatment applications, no more than 10 percent of the total field area to be harvested should be treated at one time. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside the target area for this reason. In wiper applications, contact of the herbicide solution with the crop may result in damage or desiccation.

8.7 Oil Seed Crops

Labeled Crops: Borage, Buffalo gourd (seed), Canola, Crambe, Flax, Jojoba, Lesquerella, Meadowfoam, Mustard seed, Rapeseed, Safflower, Sesame, Sunflower.

For Round-up Ready canola, see the "ROUNDUP READY CROPS" section of this label.

Types of Applications: Those listed in Section 7.9.5

USE INSTRUCTIONS: This product may be applied before, during or after planting oil seed crops. Broadcast applications must be made prior to emergence of the listed oil seed crops. Wiper applications or hooded sprayers may be used between the rows once the crop is established.

Tank Mixtures: For sunflowers, a tank mixture with Prolyl may be applied before, during or after planting in conventional tillage systems, into a cover crop, established sod or in previous crop residue.

Precautions,Restrictions: Do not apply more than 2 quarts of this product per acre on canola. Do not apply more than 1 quart of this product per acre for sunflowers as a single preplant or preemergence application per year. Do not feed or graze sunflower forage following application of this product.

8.8 Soybeans

Types of Applications: Those listed in Section 8.2 and the following: Spot Treatment, Preharvest, Selective, Equipment, For Round-up Ready soybeans, see the "ROUNDUP READY CROPS" section of this label.

Preplant, Preemergence, At-Planting

USE INSTRUCTIONS: This product may be applied alone or in a tank-mixture before, during or after planting soybeans. Applications must be made prior to emergence of the crop.

Tank Mixtures: Apply these tank mixtures in 10 to 20 gallons of water per acre.

Soybean: Apply these tank mixtures in 10 to 20 gallons of water per acre. Soybean: Apply these tank mixtures in 10 to 20 gallons of water per acre. Soybean: Apply these tank mixtures in 10 to 20 gallons of water per acre.

This product may be tank-mixed with 2,4-D or 2,4-DB. See the 2,4-D label for intervals between application and planting. This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site. For difficult-to-control annual weeds such as tall parsnip, barnyardgrass, crabgrass, shattercane and broomweed, up to 6 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 2 pints per acre in these tank mixtures. For other labeled annual weeds, apply 1.5 to 2 pints of this product per acre when weeds are less than 6 inches tall, and 2 to 3 pints when weeds are over 6 inches tall.

Spot Treatment USE INSTRUCTIONS: For spot treatments, applications are made prior to planting and seed can be planted. PRECAUTIONS, RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in treated area will be killed. Take care to avoid drift or spray outside the target area for the same reason.

Preharvest USE INSTRUCTIONS: This product provides weed control when applied prior to harvest of soybeans. Apply at rates given in the "ANNUAL WEEDS and "WINTER SHOPIES and TREES RATES TABLES". This product may be applied using either aerial or ground spray equipment. Apply after pods have set and lost all green color. Care should be taken to avoid excessive seed shatter loss due to ground application equipment.

PRECAUTIONS, RESTRICTIONS: Do not apply more than 5 quarts per acre of this product for preharvest applications. Do not apply more than 2 quarts per acre of this product by air. Allow a minimum of 7 days between application and harvest of soybeans. Do not graze or harvest treated hay or fodder for livestock feed within 25 days of last preharvest application. If the application rate is 1 quart per acre or lower, the grazing restriction is reduced to 14 days after last preharvest application. Preharvest applications are not recommended for soybeans grown for seed, as a reduction in germination or vigor may occur.
Selective Equipment
USE INSTRUCTIONS: This product may be applied through recirculating sprayers, shielded applicators, hooded sprayers, wiper applicators or sponge bars in soybeans. Allow at least 7 days between application and harvest.

PRECAUTIONS, RESTRICTIONS: See the “Selective Equipment” part of the “APPLICATION EQUIPMENT AND TECHNIQUES” section of this label for information on proper use and calibration of this equipment.

8.9 Sugarcane

TYPES OF APPLICATIONS: Those listed in Section 8.0.

Preplant, Preemergence, At-Planting
USE INSTRUCTIONS: This product may be applied in or around sugarcane fields or in fields prior to the emergence of plant cane.

PRECAUTIONS, RESTRICTIONS: Do not apply to vegetation in or around ditches, canals or ponds containing water to be used for irrigation.

Spot Treatment
USE INSTRUCTIONS: This product may be applied as a spot treatment in sugarcane. For control of volunteer or diseased sugarcane, make a 1 percent solution of this product in water and spray-to-wet the foliage of vegetation to be controlled. Volunteer or diseased sugarcane should have at least 7 new leaves.

PRECAUTIONS, RESTRICTIONS: Avoid spray contact with healthy cane plants since severe damage or destruction may result. Do not feed or graze treated sugarcane foliage following application.

Follow Treatments
USE INSTRUCTIONS: This product may be used as a replacement for tillage in fields that are lying fallow between sugarcane crops. This product may also be used to remove the last stubble of rooted cane. For removal of last stubble of rooted cane, apply 4 to 5 quarts of this product in 10 to 40 gallons of water per acre to new quarts per acre may be made by aerial application in follow sites where there is a sufficient buffer to prevent injury due to drift onto adjacent crops. Tank mixtures with 2,4-D and dicamba may be used.

This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site.

Hooded Sprayers
USE INSTRUCTIONS: This product may be used through hooded sprayers for weed control between the rows of sugarcane. See the “APPLICATION EQUIPMENT AND TECHNIQUES” section of this label for additional use instructions.

PRECAUTIONS, RESTRICTIONS: Do not allow treated weeds to come in contact with the crop. Droplets, mist, foam or splatter of the herbicide solution settling on the crop may result in discoloration, stunting or destruction. Such damage shall be the sole responsibility of the applicator.

8.10 Vegetable Crops

NOTE: THIS "VEGETABLE CROPS" SECTION GIVES GENERAL DIRECTIONS THAT APPLY TO ALL LISTED VEGETABLE CROPS WITHIN SECTION 8.10 GROUPED ALPHABETICALLY BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATIONS: Chemical Follow, Preplant Follow Beds, Preplant, Preemergence, Prior to Transplanting Vegetables, At-Planting, Hooded Sprayers in Row-Middles, Shielded Sprayers in Row-Middles, Wiper Applications in Row-Middles, and Post-Harvest, Directed Applications (Nonboiling Gingers), Over-the-Top Wiper Applications (Rutabagas only)

PRECAUTIONS, RESTRICTIONS: When applying this product prior to transplanting or direct-seeding crops into plastic mulch, care must be taken to remove residues of this product, which could cause injury from the plastic. Residues can be removed by first spraying a single 0.5-inch application of water, either by natural rainfall or via a sprinkler system. Care should be taken to ensure that the wash water flushes off the plastic mulch and does not enter transplant holes. Applications made at emergence will result in injury or death to emerged seedlings.

Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. When making preemergence and -planting applications, applications must be made before crop emergence to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of injury. In crops with vines, hooded sprayer, shielded sprayer and wiper applications to row middles should be made prior to vine development otherwise severe injury or destruction may result. Unless otherwise specified in this product’s labeling, treatments with selective equipment and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or follow applications must be made at least 30 days prior to transplanting any non-labeled crop. See “APPLICATION EQUIPMENT AND TECHNIQUES” section of this label for additional information.

8.10.1 Brassica Vegetables

LABELLED CROPS: Broccoli, Chinese broccoli (gal yo), Broccoli raab (lapini), Brussels sprouts, Cauliflowers. Chinese cabbage (bo choy), Chinese cabbage (napa), Chinese mustard (gal bi), Cauliflower, Cabbage broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard sprouts, Rape greens.

8.10.2 Bulb Vegetables

LABELLED CROPS: Garlic, Green-headed garlic, Leek, Onion (dry bulb and green), Welsh Onion, Shallot.

8.10.3 Cucurbits Vegetables and Fruits

LABELLED CROPS: Chayote (fruit), Chinese waxgourd (Chinese preserving melon). Citron melon, Cucumber, Gherkin, Edible gourd (includes hytian, cucurbita, pumpkin, melon), Chinese okra), Melons (all), Melonella, (includes bitter melon, cantaloupe, casaba, canarewe melon, golden persimmon melon, honeydew melon, honey ball melon, mango melon, Persian melon, pineapple melon, plum, Pumpkins, Summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Winter squash (includes butternut squash, cantaloupe, hubbard squash, acorn squash, spaghetti squash), Watermelon.

PRECAUTIONS, RESTRICTIONS: For Cactifloule, Casaba melon, Charentais melon, Cucumber, Gherkin, Gourds, Honeydew melon, Honey ball melon, Mango melon, Melons (all), Muskmelon, Persian melon, Pumpkins, Squash (summer, winter), and Watermelon, allow at least 3 days between application and planting.

8.10.4 Leafy Vegetables

LABELLED CROPS: Amaranth (Chinese spinach), Arugula (laquette), Beet greens, Bokchoi, Celery, Chinese celery, Chicory, Chervil, Ediblebeafed chrysanthemum, Garland chrysanthemum, Corn salad, Chinese garden and mustard, Dandelion, Dock (broad), Dockula, Endive (escarole), Florence fennel, Goi kioe, Lettuce (head and leaf), Orach, Parsley, Purslane (garden winter), Radicchio (red chicory), Rhubarb, Spinach, New Zealand spinach, Vine spinach, Swiss chard, Watercress (arugula), Watercress.

PRECAUTIONS, RESTRICTIONS: For Watercress, avoid applications within 3 days prior to seeding and during the period between seeding and emergence to minimize the risk of injury.

8.10.5 Fruiting Vegetables

LABELLED CROPS: Eggplant, Groundcherry (Physalis spp), Papaya, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatofl, Tomatillo, Tomato.

PRECAUTIONS, RESTRICTIONS: For Eggplant, Ground cherry, Pepper (all), and Tomatillo, allow at least 3 days between application and planting. For Tomato, hooded or shielded sprayer applications in row middles are not recommended.

8.10.6 Legume Vegetables (Succulent or Dried)

LABELLED CROPS: Bean (Lupines): includes grain lupine, sweet lupine, white lupine, and white sweet lupine). Bean Phasolus: Includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, topin bean, wax bean). Bean Phaseolus: Includes adzuki bean, asparagus bean, blackeyed pea, barbados bean, Black bean, cowpea, cowpea bean, red bean, yardlong bean, Broad bean (faba). Chickpea (garbanzo). Dried beans, Lentil (Lens), Leblab bean, Lens, Pea (Pisum: includes dwarf pea, edelweiss-podded pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea, Pigeon pea, Soybean (Glycine max), Soybean (Glycine max), Soybean (Glycine max), Soybean (Glycine max), Soybean (Glycine max), Soybean (Glycine max), Soybean (Glycine max)

PREHARVEST AND SPOT TREATMENTS OF WEEDS IN DRY BEANS, PEAS, LENTILS AND CHICKPEAS

Broadcast Sprays
USE INSTRUCTIONS: This product may be applied as an over-the-top broadcast spray to control labeled weeds prior to the harvest of dry beans, dry peas, lentils, and chickpeas. Apply up to 52 fluid ounces of dry product per acre in dry beans, or up to 65 flat ounces per acre in dry peas, lentils, and chickpeas in 3 to 20 gallons of water per acre at the hard dough stage of legumes (65 percent grain moisture or less). Either ground broadcast or aerial applications may be made.
PRECAUTIONS, RESTRICTIONS:
Apply at least 7 days before harvest for dry beans and 14 days before harvest for dry peas, lentils, and chickpeas.

Only one application per year may be made; do not combine a preharvest spray with a spot treatment on the same crop area.

Employ at least a 30-day plant-back interval between treatments and replanting for any crop not listed on this label.

Preharvest applications are not recommended for dry beans, peas, lentils, or chickpeas grown for seed, as a reduction in germination or vigor may occur.

Do not feed treated vines and hay from these crops to livestock.

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

Do not treat covercrops or field (feed) peas, since these are considered to be grown as livestock feed.

Spot Treatments
USE INSTRUCTIONS: This product may be applied as a spot treatment to control troublesome weeds such as Canada thistle, quackgrass, mayweed (dog fennel), and crimson clover (forbs), dry beans, dry peas, lentils, and chickpeas. Apply up to 32 fluid ounces of this product per acre in dry beans, or up to 64 fluid ounces per acre in dry peas, lentils, and chickpeas, in 10 to 20 gallons of water through ground spray equipment or use a 2 percent concentration in a hand-held sprayer. For best results, applications should be made at or beyond the bud stage of growth. The crop receiving spray in treated areas will be killed.

PRECAUTIONS, RESTRICTIONS:
Apply at least 14 days before harvest, only one application per year may be made; do not combine a preharvest spray with a spot treatment on the same crop area.

Employ at least a 30-day plant-back interval between treatments and replanting for any crop not listed on this label.

Do not feed treated vines and hay from these crops to livestock.

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

Do not treat covercrops or field (feed) peas, since these are considered to be grown as livestock feed.

8.10.7 Root and Tuber Vegetables
Labeled Crops: Aroacea, Amaranthus, Chinese artichoke, Jerusalem artichoke, Beet (garden), Burdock, Canna, Carrot, Cassava (bitter and sweet), Celery, Chokeberry (root), Chinaberry (broad-leaved), Chrysanthemum, Dandelion, Fennel, Galangal, Ginger, Ginseng, Horseradish, Kava, Kudzu (broad-leaved), Lantana, Lettuce, Litchi (broad-leaved), Muskmelon, Oven, Parma, Potato, Raddish, Oriental radish, Rutabaga, Safflower, Black sativa, Spanish sativa, Sweet potato, Tamarind, Turmeric, Watercress, Yeo, Yam bean, True yam.

Directed Applications (Non-bearing Ginseng only)
USE INSTRUCTIONS: This product may be used for general weed control in established non-bearing ginseng. Applications may be made with boom equipment, CDA equipment, shielded sprayers, hand-held and high-volume wands, lances, and orchard guns or with wiper equipment. All applications must be made at least one year prior to harvest.

PRECAUTIONS, RESTRICTIONS: Direct applications so that there is no contact of this product with the ginseng plant. Applications must be made at least one year prior to harvest.

Over-the-Top Wiper Applications (Rutabagas only)
USE INSTRUCTIONS: Wiper applications may be used over-the-top of rutabagas. All applications must be made at least 14 days after application and harvest of rutabagas.

PRECAUTIONS, RESTRICTIONS: Allow at least 14 days between application and harvest of rutabagas.

8.11 Miscellaneous Crops
Labeled Crops: Aloe vera, Asparagus, Bamboo shoots, Globe artichoke, Okra, Peanut (ground nut), Pineapple, Strawberry, Sugar beet.

Types of Applications: For Roundup Ready sugar beets, see the "ROUNDUP READY CROPS" section of this label.

PRECAUTIONS, RESTRICTIONS: Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. When making preemergence or at-planting applications, applications must be made before crop emergence to avoid severe crop injury. Apply before seed germination in coarse, sandy soils to further minimize the risk of injury. In crops with vines, hooded sprayers, shielded sprayers, and wiper applications to rows should be made prior to vine development otherwise severe injury or destruction may result. Unless otherwise specified in this product's labeling, treatments with selective equipment including wipers and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-banded crop. See "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information.

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Middles (Between Rows of Trees, Vines or Bushes)

USE INSTRUCTIONS: This product will control or suppress annual and perennial weeds and ground covers growing between the rows of labeled tree and vine crops. If weeds are under drought stress, irrigate prior to application. Reduced control may result if weeds have been mowed prior to application.

TANK MIXTURES: A mixture of this product plus Go AL Xlm may be used for annual weeds in middles between rows of citrus crops, tree fruits, tree nuts and vine crops. This mixture is recommended when weeds are stressed or growing in dense populations. 16 to 32 fluid ounces per acre of this product plus 3 to 10 fluid ounces per acre of Go AL Xlm will control annual weeds with a maximum height or diameter of 6 inches, including crabgrass, common groundsel, duckweed, common lambsquarter, common ragweed, horseweed, purslane, shepherd's purse, sweetclover (in certain areas), horseweed/meristil (Corynephora) and hempnettle (Cymopterus) with a maximum height or diameter of 3 inches.

This mixture may be applied in rows of tree or vine crops in tank mixtures with the following products:

<table>
<thead>
<tr>
<th>Tank Mixture</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devrin® DF</td>
<td>10%</td>
</tr>
<tr>
<td>Carmeo® DF</td>
<td>5%</td>
</tr>
<tr>
<td>Simazine</td>
<td>1L</td>
</tr>
<tr>
<td>Lincoln</td>
<td>1L</td>
</tr>
<tr>
<td>Trench 2L</td>
<td>1L</td>
</tr>
<tr>
<td>Princep Calibre® 90</td>
<td>1L</td>
</tr>
<tr>
<td>Sim-TH® 4L</td>
<td>1L</td>
</tr>
<tr>
<td>Sulfan AM</td>
<td>1L</td>
</tr>
<tr>
<td>Prowl</td>
<td>1L</td>
</tr>
<tr>
<td>Surfam® AQ</td>
<td>1L</td>
</tr>
<tr>
<td>Surfam 75W</td>
<td>1L</td>
</tr>
</tbody>
</table>

Do not apply these tank mixtures in Puerto Rico.

Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements. This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site.

Perennial Grass Suppression

This product will suppress perennial grasses such as bahiagrass, Bermudagrass, tall fescue, orchardgrass, Kentucky bluegrass, and quackgrass as long as ground covers in tree and vine crops.

For suppression of tall fescue, fine fescue, orchardgrass and quackgrass, apply 8 fluid ounces of this product in 10 to 20 gallons of water per acre. For suppression of Kentucky bluegrass covers, apply 6 fluid ounces of this product per acre. Do not use ammonium sulfate.

For best results, mow cool season grass covers in the spring to even their height and apply this product 3 to 4 days after mowing.

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 6 fluid ounces of this product in 10 to 25 gallons of water per acre. Apply 1 to 2 weeks after full green-up 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 4 fluid ounces of this product per acre, followed by an application of 2 to 4 fluid ounces per acre about 45 days later. Make no more than 2 applications per year.

For burndown of Bermudagrass, apply 1 to 2 quarts of this product in 2 to 20 gallons of water per acre. Use this treatment only if reduction of the Bermudagrass stand can be tolerated. When burndown is required prior to harvest, allow at least 21 days to ensure sufficient time for burndown to occur.

For suppression of Bermudagrass, apply 6 to 16 fluid ounces of this product per acre east of the Rocky Mountains and 16 fluid ounces of this product per acre west of the Rocky Mountains. Apply in a total sprayer volume of 3 to 20 gallons per acre, no sooner than 1 to 2 weeks after full green-up. If the Bermudagrass is mowed prior to treatment, maintain a minimum of 6 inches in height. Sequential applications may be made when regrowth occurs and Bermudagrass injury and stand reduction may be tolerated. East of the Rocky Mountains, rates of 6 to 10 fluid ounces of this product per acre should be used in shaded conditions or when a lesser degree of suppression is desired.

Cut Stump (Tree Crops)

USE INSTRUCTIONS: Cut stump applications of this product may be made during site preparation or site renovation, prior to transplanting tree crops. This product will control regrowth of cut stump regrowth of cut stumps of trees belonging to many types of tree species, some of which are listed below:

**Citrus Trees:** Calamondin, Chonra, Citron, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (all), Pummelo, Tangelo, Tangerine.

**Fruit Trees:** Apple, Apricot, Cherry (sweet, sour), Crabapple, Loquat, Mayhaw, Nectarine, Olive, Peach, Pear, Plum/Prune (all), Quince, Nut Trees: Almond, Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory Nut, Macadamia, Pecan, Pistachio, Walnut (black, English).

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 percent solution of this product to the freshly cut surface immediately after cutting. Damages in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

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**PRECAUTIONS, RESTRICTIONS:** DO NOT MAKE CUT STUMP APPLICATIONS WHEN THE ROOTS OF ADJACENT DESIRABLE TREES MAY BE GRAFTED TO THE ROOTS OF THE CUT STUMP; INJURY RESULTING FROM ROOT GRAFTING MAY OCCUR IN ADJACENT TREES. 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.

### 9.1 Berry Crops

**LABELLED CROPS:** Blackberry (including blackberry, black satin berry, boysenberry, Cherokee blackberry, chestenberry, Chayanne blackberry, corynberry, darrowberry, dewberry, Orkistine thornless berry, Himalayaberry, hu bible, juneberry, lavacberry, lovberry, lavacberry, marionberry, nectarberry, olivberry, Oregon evergreen berry,现象, phenomenon, quaberry, quaberry, radberry, shawnee blackberry, and youngberry), Blueberry, Cranberry, currant, Elderberry, gooseberry, Huckleberry, Loganberry, Salal.

**TYPES OF APPLICATIONS:** Those listed in Section 9.6 plus Spot Treatment in Cranberry Production and Post-Harvest Treatments in Cranberry Production.

**PRECAUTIONS, RESTRICTIONS:** To avoid damage, herbicide sprays must not be allowed to contact desirable vegetation, including green shoots, canes, or foliage. Allow a minimum of 30 days between last application and harvest in cranberry production. Allow a minimum of 14 days between last application and harvest in other berry crops. Do not make directed sprays within the cranberry bush areas prior to berry harvest.

**Spot Treatment in Cranberry Production**

USE INSTRUCTIONS: Spot treatments may be used to control weeds growing in dry ditches (interior and perimeter) of cranberry production areas. Hand-held sprayers or other appropriate application equipment listed under "APPLICATION EQUIPMENT AND TECHNOLOGIES" in this label may be used. Drop water level to remove standing water in ditches prior to application. In hand-held sprayers, use 1 to 2 percent solution of this product. Spray to wet vegetation, not to run-off. If using hand-held boom sprayers, apply up to 3 quarts of this product per acre.

**PRECAUTIONS:** For treatments after draw-down of water in dry ditches, allow 2 or more days after treatment before reintroduction of water to achieve maximum weed control. Apply this product within 1 day after draw-down to ensure application to actively growing weeds. Allow a minimum of 30 days between last application and harvest of cranberries. Do not apply this material through the irrigation system. Do not make applications by air. Do not apply directly to water. Use nozzles that emit medium- to large-sized droplets to minimize drift in order to avoid crop injury.

**Post-Harvest Treatments in Cranberry Production**

USE INSTRUCTIONS: Application of this product may be made after the harvest of cranberries to control weeds growing within the field. Best results will be obtained if applications are made to vines that appear dormant (after they have turned red). Hand-held sprayers, airbrush, water, or other appropriate application equipment listed under "APPLICATION EQUIPMENT AND TECHNOLOGIES" in this label may be used. Drop water level to 16 to 20 fluid ounces per acre. Spray to wet vegetation, not to run-off. If using hand-held boom sprayers, apply up to 3 quarts of this product per acre.

**PRECAUTIONS:** Do not apply more than 10 percent of the total application. Allow a minimum of 30 days between last application and last harvest of cranberries. Do not apply this product through the irrigation system. Do not make applications by air. Do not apply directly to water. Even though vines appear dormant, contact of the herbicide solution with desirable vegetation may result in damage or severe plant injury. Cranberry plants that are directly sprayed may be killed.

### 9.2 Citrus

**LABELLED CROPS:** Calamondin, Chonra, Citron, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (all), Pummelo, Satsuma Mandarin, Tangelo (cultivar), Tangerine.

**TYPES OF APPLICATIONS:** Those listed in Section 9.6.

**USE INSTRUCTIONS:** The recommendations below pertain to applications in Florida and Texas. For burndown or control of weeds listed below, apply the recommended rates of this product to 3 to 50 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre.

For goaveed, apply up to 3 quarts of this product per acre. Apply in 20 to 30 gallons of water per acre when plants are actively growing. Use 2 quarts per acre when plants are less than 6 inches tall and 3 quarts per acre when plants are greater than 6 inches tall. If goaveed is greater than 6 inches tall, the addition of Kneer 1 or Carmeo may improve control. Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements.
PERENNIAL WEEDS:
S = Suppression  B = Burndown
PC = Partial Control  C = Control

<table>
<thead>
<tr>
<th>WEED SPECIES</th>
<th>1 QT RATE PER ACRE</th>
<th>2 QT RATE PER ACRE</th>
<th>3 QT RATE PER ACRE</th>
<th>5 QT RATE PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bermudagrass</td>
<td>B</td>
<td>PC</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Guinea grass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Texas and Florida Ridge</td>
<td>B</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Florida flatwoods</td>
<td>B</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Paragras</td>
<td>B</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Torpedograss</td>
<td>S</td>
<td></td>
<td>PC</td>
<td>C</td>
</tr>
</tbody>
</table>

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in citrus crops. For citrus groves, apply as directed sprays only.

9.3 Miscellaneous Tree Food Crops
LABLED CROPS: Cactus (fruit and pads), Palm (heart, leaves), Palm (oil)
TYPES OF APPLICATIONS: Those listed in Section 9.0

9.4 Non-Food Tree Crops
LABLED CROPS: Pine, Poplar, Eucalyptus, Christmas trees, Other Non-Food Tree Crops,
TYPES OF APPLICATIONS: Those listed in Section 9.0,
Directed Sprays, Spot Treatment, Wiper Applications
USE INSTRUCTIONS: This product may be used as a post-directed spray and spot treatment around established poplar, eucalyptus, Christmas trees and other non-food tree crops.
PRECAUTIONS, RESTRICTIONS: Care must be exercised to avoid contact of spray, drift or mist with foliage or bark of established Christmas trees and other pine trees. Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material. THIS PRODUCT IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN CHRISTMAS TREES AND OTHER PINE TREES.

Site Preparation
USE INSTRUCTIONS: This product may be used prior to planting nonfood tree crops.
PRECAUTIONS, RESTRICTIONS: Precautions should be taken to prevent nontarget plants during site preparation applications.

9.5 Pome Fruit
LABLED CROPS: Apple, Crabapple, Loquat, Mayhaw, Pear (including oriental pear), Quince.
TYPES OF APPLICATIONS: Those listed in Section 9.0
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in pome crops.

9.6 Stone Fruit
LABLED CROPS: Apricot, Cherry (sweet, tart), Nectarine, Olive, Peach, Plum/Pruine (all types), Plumcot
TYPES OF APPLICATIONS: Those listed in Section 9.0
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 17 days between last application and harvest in stone fruit crops. For olive groves, apply as directed sprays only.
Restrictions on Application Equipment: For cherries, any application equipment listed in this section may be used in all states.

Any application equipment listed in this section may be used in apricots, nectarines, peaches and plums/pruines growing in Arizona, California, Colorado, Idaho, Kansas, Kentucky, New Jersey, North Dakota, Oklahoma, Oregon, Texas, Utah and Washington, except for orchards grown in the states specified in the following paragraph. In all other states, use wiper equipment only.

For PEACHES grown in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee only, apply with a shielded boom sprayer or shielded wiper applicator, which prevents any contact of this product with the foliage or bark of trees. Apply no later than 90 days after first bloom. Applications made after this time may result in severe damage. Remove suckers and low-hanging limbs at least 10 days prior to application. Avoid applications near trees with recent pruning wounds or other mechanical injury. Apply only near trees that have been planted in the orchard for 5 or more years.

9.7 Tree Nuts
LABLED CROPS: Almond, Beechnut, Betelnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Cocoanut, Filbert (hazelnut), Hickory nut, Macadamia, Pecan, Pine nut, Pignut, Walnuts (black, English).
TYPES OF APPLICATIONS: Those listed in Section 9.0
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 3 days between last application and harvest of tree nuts, except coconut. Allow 14 days between application and harvest in coconut.

9.8 Tropical and Subtropical Trees and Fruits
LABLED CROPS: Ambarella, Atemoya, Avocado, Banana, Barbados cherry (acera), Birdia, Biriba, Breadfruit, Cacao (cocoa bean), Carissa, Carambola (starfruit), Cherimoya, Coffee, Custard apple, Dates, Durian, Figs, Guava, Lychee, Longan, Lychee, Mamey, Mango, Mangoosteens, Mameyacaxo (genip), Mountain papaya, Papaya, Pears, Plantain, Persimmon, Pomegranate, Pulasan, Rambutan, Rose apple, Sapodilla, Sapote (black, mamon, white), Sapote, Soursap, Star apple, Sugar apple, Syriam cherry, Tamarindo, Tea, Tof (roots and leaves), Wax jambu.
TYPES OF APPLICATIONS: Those listed in Section 9.0 plus Bananacide (Banana only).
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in banana, guava, papaya, and plantain crops. Allow a minimum of 14 days between last application and harvest for any other tropical or subtropical tree fruit. Allow a minimum of 26 days between last application and harvest in coffee crops. In coffee and banana, delay applications 3 months after transplanting to allow the new coffee or banana plant to become established.

Bananacide (Banana only)
USE INSTRUCTIONS: This product may be used to destroy banana plants infected with the Banana bunchy top Virus as well as non-infected banana plants to establish disease free buffers around plantations.
Remove all bunches from the plants within the treatment area prior to treatment. Inject 0.04 fluid ounce (1 ml) of product's concentrate per 2 to 3 inches of pseudostem diameter. Make the injection at least one foot above the ground, except for very small plants, which should be injected vertically into the top. Any subsequent regrowth must also be destroyed. All plants and mats (or units) adjacent (within a 4-foot radius) to a treated plant shall be mechanically sprayed, spraying to control the aphid vector, and destruction of all infected mats (or units). An infected plant may not show symptoms of the banana bunchy top virus for up to 125 days, therefore it is critical that the entire mat (or unit) containing the diseased plant be destroyed immediately.
PRECAUTIONS, RESTRICTIONS: Do not apply more than 0.5 fluid ounce (15 ml) of this product's concentrate per acre (or unit). Remove all fruit from plants and mats (or units) prior to treatment. Do not harvest any fruit or plant materials from treated mats (or units) following stated waiting period. Do not allow livestock to consume treated plant materials. Following transport of new banana plants into treated areas, allow plants to become established for 3 months before applying this product for general weed control.

9.9 Vine Crops
LABLED CROPS: Grapes (raisin, table, wine), Hops, Kiwi, Passion fruit.
TYPES OF APPLICATIONS: Those listed in Section 9.0
USE INSTRUCTIONS: Applications should not be made when green shoots, canes or foliage are in the spray zone.
In the northeast and Great Lakes regions, applications must be made prior to the end of bloom stage of grapes to avoid injury, or make applications with shielded sprayers or wiper equipment.
PRECAUTIONS, RESTRICTIONS: Allow a minimum of 14 days between last application and harvest in vine crops. Do not use selective equipment in kiwi.

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10.0 PASTURE GRASSES, FORAGE LEGUMES AND RANGELANDS

GENERAL USE INSTRUCTIONS: This product may be applied to turf or pasture grasses, forage legumes, and rangelands for weed control as directed below. Apply 12 fluid ounces to 5 quarts per acre according to the "ANNUAL WEEDS," "PERENNIAL WEEDS," and "WOODY BRUSH AND TREES RATE TABLES" in the product label booklet.

PRECAUTIONS, RESTRICTIONS: Follow the specific limitations below with regard to application methods, timing, treatment rates, and post-application intervals. All applications must be made at least 30 days before planting any crop that is not specified for treatment in the label booklet or its supplemental labeling.

10.1 Alfalfa, Clover, and Other Forage Legumes

LABLED CROPS: Alfalfa, Clover, Kenaf, Kudzu, Lespedeza, Leucaena, Lupin, Sainfoin, Trefol, Velvet bean, Vetch (all types)

TYPES OF APPLICATIONS: Preplant, Preemergence, At-Planting, Spot Treatment, Wiper Applications Over-the-Top, Renovation, Preplant (except Kenaf and Leucaena)

PREPARATION INSTRUCTIONS: Use the product may be applied before, during, or after planting crops listed in this section. Applications must be made prior to emergence of the crop.

PRECAUTIONS, RESTRICTIONS: Remove domestic livestock before application. The crop may be fed or grazed as soon as it reaches sufficient maturity.

Preharvest (except Kenaf and Leucaena)

USE INSTRUCTIONS: This product may be applied to pasture grasses, grasslands, or rangelands. Applications may be made at any time of the year. For control of weed species within the family Fabaceae, spray at the first sign of emergence in spring or summer. Post emergence, the growth of this species must be followed by deep tillage for complete control.

PRECAUTIONS, RESTRICTIONS: Make only one application to an existing crop stand per year. The treated crop and weeds can be harvested and fed to livestock according to the intervals below.

<table>
<thead>
<tr>
<th>Crop Type</th>
<th>Maximum Single Application Rate</th>
<th>Minimum Interval Between Application and Harvesting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>2 quarts per acre</td>
<td>38 hours</td>
</tr>
<tr>
<td>All other labeled legumes above</td>
<td>3 pints per acre</td>
<td>3 days</td>
</tr>
</tbody>
</table>

This product may destroy alfalfa stands and may severely injure or destroy other labeled crops such as clover. Preharvest application is not recommended for alfalfa grown for seed, as a reduction in germination or vigor may occur.

Spot Treatment or Wiper Applications Over-the-Top

USE INSTRUCTIONS: This product may be applied as a spot treatment or with wiper applications. For wipers, see the "Spot Treatment Equipment" section of the product label booklet. Applications may be made in the same area at 30-day intervals.

PRECAUTIONS, RESTRICTIONS: For spot treatment and wiper applications, apply in areas where the movement of domestic livestock can be controlled. No more than 10 percent of the top field area should be treated at one time. Remove domestic livestock before application and wait 2 days after application before grazing livestock or harvesting.

Renovation

USE INSTRUCTIONS: This product may be applied as a broadcast spray to renovate existing stands of alfalfa, clover, and other labeled forage legumes. If the crop is kept grazed or harvested for feed, use up to 2 quarts per acre in alfalfa and up to 3 pints per acre in other labeled legumes. For complete removal of established stands of clover, it may be necessary to retreat at the higher treatment rate listed in the "PERENNIAL WEEDS RATE TABLE" in the label booklet.

PRECAUTIONS, RESTRICTIONS: When treatment rates of 2 quarts per acre for alfalfa or 3 pints per acre for other forage legumes are used, remove domestic livestock before application and wait 3 days after application before introducing. If treatment rates above these levels are necessary, do not graze or harvest treated foliage for livestock feed. Crops listed for treatment in the label booklet may be planted into the treated area at any time; for other crops, wait 30 days between application and planting.

10.2 Conservation Reserve Program (CRP)

TYPES OF APPLICATIONS: Renovation (Rotating out of CRP), Site Preparation, Postemergence Weed Control in Dormant CRP Grasses, Wiper Applications Over-the-Top

Renovation (Rotating out of CRP), Site Preparation

USE INSTRUCTIONS: This product may be used to prepare CRP land for crop production. Refer to Federal, State, or local use guides for CRP renovation requirements. For any crop not listed for treatment in this product's label booklet, applications must be made at least 30 days prior to planting.

Postemergence Weed Control in Dormant CRP Grasses, Wiper Applications Over-the-Top

USE INSTRUCTIONS: This product controls weed or existing vegetation before renovating turf or forage grass seed areas or establishing turf grass grown for sod. Make applications before, during, or after planting or renovation. For maximum control of existing vegetation, delay planting to determine if any reseeds from escaped upland plant parts occur. Where existing vegetation is growing under mowed turfgrass management, apply this product after emerding 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 sow remnants or other unwanted vegetation after sod is harvested.

PRECAUTIONS, RESTRICTIONS: Do not disturb soil or upland plant parts before treatment. Tillage or renovation techniques such as vertical mowing, coring or slicing should be delayed for 10 days after application to allow proper translocation into upland plant parts. If application rates total 3 quarts per acre or less, no waiting period between treatment and seeding or livestock grazing is required. If the rate is greater than 3 quarts per acre or if there is domestic livestock before application and wait 8 weeks after application before grazing or harvesting. For any crop not listed for treatment in this product's label booklet, 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

USE INSTRUCTIONS: Apply 1 to 3 quarts of this product to 10 to 20 gallons of water per acre to control weeds between grass seed rows. Uniform planting in straight rows aids in shielded spray applications. Best results are obtained when the grass seed crop is small enough to allow easy passage of the protective shields. For additional instructions, see "Shielded Sprayers" in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this product's label booklet.

PRECAUTIONS, RESTRICTIONS: 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.

Wiper Applications Over-the-Top

USE INSTRUCTIONS: Applications 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. Better results may be obtained when more of the weed is exposed to the herbicide solution. Better results may be obtained when more of the weed is exposed to the herbicide solution. Better results may be obtained when more of the weed is exposed to the herbicide solution. Better results may be obtained when more of the weed is exposed to the herbicide solution. Better results may be obtained when more of the weed is exposed to the herbicide solution.

PRECAUTIONS, RESTRICTIONS: Contact of the herbicide solution with desirable vegetation may result in damage or destruction.

Spot Treatments

USE INSTRUCTIONS: Use a 1.0- to 2.0-percent solution,
PRECAUTIONS, RESTRICTIONS: 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. Hand-held equipment may be used to control sod remnants or other unwanted vegetation after seed is harvested.

Creating Rows in Annual Ryegrass

USE INSTRUCTIONS: Use 1 to 2 pints 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.

PRECAUTIONS, RESTRICTIONS: Set nozzles heights to allow the establishment of the desired row spacing while preventing spray droplets, spray lines, 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 misapplication.

10.4 Pastures

LABELED CROPS: Any grass (Gramineae family) except Corn, Sorghum, Sugarcane and those listed in this product’s label booklet under “Cereal and Grain Crops.” Grasses that may be treated include Bahiagrass, Bermudagrass, Bluegrass, BIerne, Fescue, Guineagrass, Kentucky Bluegrass, Orchardgrass, Pangola grass, Ryegrass, Timothy, Wheatgrass.

TYPES OF APPLICATIONS: Preplant, Preemergence, Spot Treatment. Wiper Applications Over-the-Top, Pasture Renovation, Postemergent Weed Control. (Broadcast Treatments).

Preplant, Preemergence, Pasture Renovation

USE INSTRUCTIONS: This product may be applied prior to planting or emergence of forage grasses. In addition, this product may be used to control perennial pastures species listed on this label prior to replanting.

PRECAUTIONS, RESTRICTIONS: If application rates total 3 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed for treatment in the label booklet may be planted into the treated area any time; for other crops, wait 30 days between application and planting.

Spot Treatment, Wiper Applications Over-the-Top

USE INSTRUCTIONS: 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.

PRECAUTIONS, RESTRICTIONS: For spot treatments or wiper application methods using rates of 3 quarts per acre or less, the entire field or any portion of it may be treated. When spot treatments or wiper application are made using rates above 3 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.

Postemergent Weed Control (Broadcast Treatments)

USE INSTRUCTIONS: 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 12 to 16 fluid ounces of this product per acre in early spring before desirable perennial grasses break dormancy and initiate grass growth. Late fall application may result in desirable perennial full grasses have reached dormancy.

PRECAUTIONS, RESTRICTIONS: 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 3 quarts per acre per year onto pasture grasses except for renovation uses use instructions above. If reapplication is needed due to severe stand reductions, applications must be made at least 30 days prior to planting any crop not listed for treatment in this product’s label booklet.

10.5 Rangelands

TYPES OF APPLICATIONS: Postemergence.

This product will control or suppress many annual weeds growing in perennial cool and warm-season grass rangelands.

Preventing viable seed production is key to the successful control and invasion of annual grassy weeds in rangelands. Follow-up applications in sequential years should eliminate most of the viable seeds.

Grant of treated areas should be delayed to encourage growth of desirable perennial. Allowing desirable perennials to flower and reseed in the treated area would encourage successful transition.

USE INSTRUCTIONS: Apply 12 to 16 fluid ounces of this product per acre to control or suppress many weeds, including downy brome, cheatgrass, cereal rye and painted geogras in rangelands. Apply when most primary plants are in early flower and before the plants, including seedheads, burn color. Allow for secondary weed flushes to occur in the spring following rain events further exfoliates the seed reserve and encourages perennial grass seed production on weedy sites. Fall applications are possible, and recommended, where spring moisture is usually limited and fall germination allows for good weed control.

For best results, apply 16 fluid ounces of this product per acre at the 3-leaf stage. Delaying applications beyond this stage will reduce in reduced or unacceptable control of the “ANNUAL AND PERENNIAL CROPS” (Alphabetical) section of this label.

RITTER CHEMICAL LLC RECOMMENDS USE OF THIS PRODUCT FOR POSTEMERGENCE APPLICATION ONLY. ON CROP VARIETIES DESIGNATED AS CONTAINING THE ROUNDUP READY® GENE.

The Roundup® Ready® is the registered trademark of Monsanto Company. The Roundup® Ready® designation indicates that the crop variety contains a gene that provides tolerance to this product. Information on Roundup® Ready® crop varieties may be obtained from your seed supplier or Monsanto Co. representative.

Roundup® Ready® crop varieties must be purchased from an authorized licensed seed supplier.

NOTE: Roundup® Ready® seed, and the method of selectively controlling weeds using glyphosate on a Roundup® Ready® crop, are protected under several U.S. Patents, including 5,392,508 and 5,033,456. A license to use Roundup® Ready® seed must be obtained prior to use. Monsanto retains ownership of the gene and process technologies, and the purveyor of the seed receives the right to use the licensed gene and technologies subject to the limited uses described above. Use containing the Roundup® Ready® trait cannot be used for research and development, reverse engineering or in connection with herbicide resistance. Progeny seed containing the Roundup® Ready® trait cannot be saved for replanting or transferred to others for replanting. Contact your Authorized Monsanto Co. Retailer for information on obtaining a limited use license.

For ground applications with broadcast equipment, apply this product in 5 to 20 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment use flat spray nozzles Check for even distribution of spray droplets.

For aerial applications apply this product in 3 to 10 gallons of water per acre. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for procedures to avoid spray drift that may cause injury to any vegetation not intended for treatment. Use of appropriate buffer zones will help prevent injury to adjacent vegetation.

For proper stewardship of aerial applications over-the-top of Roundup® Ready® crops, Ritter Chemical LLC recommends that growers and applicators read and follow all precautions and procedures contained in the use guide "A Guide to On-Target Aerial Application" available by calling 1-800-ROUNDPET (1-800-768-3657). ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY® GENE.

See the "MIXING" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of this label for additional directions and restrictions on the application of this product.

Mixtures with other herbicides, insecticides, fungicides, micronutrients or fertilizer may result in reduced weed control or crop injury and are not recommended for applications to Roundup® Ready® crops. Refer to the "MIXING" section for use instructions for ammonium sulfate.

Sprayer Preparation: It is important that sprayer and mixing equipment be clean and free of pesticide residue before making applications of this product. Follow the cleaning procedures specified on the label of the product(s) previously used. THOROUGHLY CLEAN THE SPRAY TANK AND ALL LINES AND FILTERS TO ELIMINATE POTENTIAL CONTAMINATION FROM OTHER HERBICIDES PRIOR TO MIXING AND APPLYING THIS PRODUCT.
**NOTE:** The following recommendations are based on a clear start at planting by using a burndown application or tillage to control existing weeds before crop emergence. In no-till and strip-seeded systems, a preplant burn-down treatment of this product is recommended to control existing weeds prior to crop emergence. Some weeds, such as black nightshade, broadleaf signalgrass, sicklepod, Texas panicum, sandbur, annual morningglory, woolly daisy, stinkweed, wild rosie milkweed, Chorispora, and other hard-to-control species may require two or more passes. Multiple passes on crops with preharvested, multiple-pennationed, or partially harvested cotton may require a second application of this product for complete control. The second application should be made after some regrowth has occurred and at least 10 days after a previous application of this product for complete control.

### 11.1 Corn with the Roundup Ready® Gene

#### TYPES OF APPLICATIONS: Preplant, Preemergence, At-Planting, Postemergence (In-Crop), Spot Treatment, Preharvest, Post-Harvest.

<table>
<thead>
<tr>
<th>Maximum Allowable Combined Application Quantities Per Season</th>
<th>Preplant, Preemergence, At-Planting applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 quarts per acre</td>
<td>5 quarts per acre</td>
</tr>
<tr>
<td>6 quarts per acre</td>
<td>2 quarts per acre</td>
</tr>
<tr>
<td>5 quarts per acre</td>
<td>1 quart per acre</td>
</tr>
</tbody>
</table>

**Preplant, Preemergence, At-Planting**

**USE INSTRUCTIONS:** This product may be applied alone or in a tank-mixture before, during, or after planting corn.

**TANK MIXTURES:** This product may be tank mixed with Buctel, Degree, Degree Xtra, Harness Xtra, Harness Xtra 5.6 L, Laritox, Laritox or Micro-Tech at 50 to 100 percent of labeled rate. Refer to the specific product label and observe all precautions and limitations on the label for any preemergence herbicide application, including application timing restrictions, soil restrictions, minimum recropping interval and rotational guidelines. The most restrictive requirements apply.

**NOTE:** For maximum weed control, a postemergence (In-crop) application of this product should be applied following the use of less than labeled rates of the pre-emergence residual products listed above.

**Postemergence (In-Crop)**

**USE INSTRUCTIONS:** This product may be applied postemergence to Roundup Ready® corn from emergence through the V6 stage (8 leaves with collars) or until corn height reaches 30 inches, whichever comes first.

When applied as directed, this product controls lablab annual grass and broadleaf weeds in Roundup Ready® corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. The postemergent application of 24 to 32 fluid ounces per acre of this product should be made before the weeds reach a height and/or density that the weeds become competitive with the crop. Generally, 4 inch tall weeds or less.

This product may be applied alone as a postemergent pre-apply to Roundup Ready® corn from emergence through the V8 stage (8 leaves with collars) or until corn height reaches 30 inches, whichever comes first.

When applied as directed, this product controls lablab annual grass and broadleaf weeds in Roundup Ready® corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. The postemergent application of 24 to 32 fluid ounces per acre of this product should be made before the weeds reach a height and/or density that the weeds become competitive with the crop. Generally, 4 inch tall weeds or less.

**TANK MIXTURES:** This product may be applied in tank mixture with Buctel, Degree, Degree Xtra, Harness Xtra, Harness Xtra 5.6 L, and Micro-Tech at 50 to 100 percent of labeled rate. Refer to the specific product label and observe all precautions and limitations on the label for all products used in tank mixtures, including application timing restrictions, soil restrictions, minimum recropping interval and rotational guidelines. The most restrictive requirements apply.

<table>
<thead>
<tr>
<th>Tank-Mix Partner</th>
<th>Maximum Height of Corn For Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree</td>
<td>11 inches</td>
</tr>
<tr>
<td>Degree Xtra</td>
<td>11 inches</td>
</tr>
<tr>
<td>Harness Xtra</td>
<td>30 inches</td>
</tr>
<tr>
<td>Harness Xtra 5.6 L</td>
<td>10 inches</td>
</tr>
<tr>
<td>Buctel</td>
<td>5 inches</td>
</tr>
<tr>
<td>Micro-Tech</td>
<td>12 inches</td>
</tr>
<tr>
<td>Permit</td>
<td>12 inches</td>
</tr>
<tr>
<td>atrazine</td>
<td>10 inches</td>
</tr>
<tr>
<td>Buctel and Micro-Tech are not registered for use as a postemergence application in Texas.</td>
<td></td>
</tr>
</tbody>
</table>

This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site.

**PRECAUTIONS, RESTRICTIONS:** See the "ROUNDUP READY® CROPS" section of this label for general precautionary instructions for use in Roundup Ready® crops. Single in-crop applications of this product are not to exceed 1 quart per acre. Sequential in-crop applications of this product from emergence through the V8 stage or 30 inches must not exceed 2 quarts per acre per growing season with a minimum of 10 days between in-crop applications of this product. Allow a minimum of 50 days between application of this product and harvest of corn forage.

**Preharvest**

**USE INSTRUCTIONS:** In Roundup Ready® corn, up to 1 quart per acre of this product can be applied preharvest. Make applications at 35 percent grain moisture or less. Ensure that maximum kernel fill is complete and the corn is physiologically mature (black layer formed).

**PRECAUTIONS, RESTRICTIONS:** Allow a minimum of 7 days between application and harvest.

**Post-Harvest**

**USE INSTRUCTIONS:** This product may be applied after harvest of corn. Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.

**PRECAUTIONS, RESTRICTIONS:** Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

### 11.2 Cotton with the Roundup Ready® Gene

#### TYPES OF APPLICATIONS: Preplant, Preemergence, At-Planting, Postemergence (Over-the-Top), Selective Equipment, Preharvest.

<table>
<thead>
<tr>
<th>Maximum Allowable Combined Application Quantities Per Season</th>
<th>Preplant, Preemergence, At-planting applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 quarts per acre</td>
<td>5 quarts per acre</td>
</tr>
<tr>
<td>6 quarts per acre</td>
<td>2 quarts per acre</td>
</tr>
<tr>
<td>5 quarts per acre</td>
<td>1 quart per acre</td>
</tr>
</tbody>
</table>

**PRECAUTIONS, RESTRICTIONS:** See the "ROUNDUP READY® CROPS" section of this label for general precautionary instructions for use in Roundup Ready® crops. The combined total application of this product from cotton emergence until harvest must not exceed 8 quarts per acre.

**NOTE:** Applications made from cotton emergence through the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter), Over-the-top applications made after the 4-leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss. No more than one application may be made from crop emergence through the 4-leaf (node) stage of development.

**Preplant, Preemergence, At-Planting**

**USE INSTRUCTIONS:** This product may be applied before, during or after planting cotton.

**Postemergence Over-the-Top**

**USE INSTRUCTIONS:** This product may be applied by aerial or ground application equipment at rates up to 1 quart per acre per application postemergence to Roundup Ready® cotton from the ground cracking stage until the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter), Over-the-top applications made after the 4-leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss.

**Salvage Treatment**

This treatment may be used after the 4-leaf stage of development and should only be used where weeds threaten to cause the loss of the crop. One quart per acre may be applied either as an over-the-top application or as a post-directed treatment sprayed higher on the cotton plants and over the weeds.

**NOTE:** SALVAGE TREATMENTS WILL RESULT IN SIGNIFICANT BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS. NO MORE THAN ONE SALVAGE TREATMENT SHOULD BE APPLIED PREHARVEST OR POST-HARVEST. ALLOW A MINIMUM OF 7 DAYS BETWEEN APPLICATION AND HARVEST.

**Selective Equipment**

**USE INSTRUCTIONS:** This product may be applied using precision spot-directed or hooded sprayers at rates up to 1 quart per acre pre-cotton application to Roundup Ready® cotton. At this stage, post-directed equipment should be used which directs the spray to the base of the cotton plants. Contact of the spray with cotton leaves should be avoided to the maximum extent possible. To minimize spray onto the leaves of the cotton plants, place nozzles in a low position directing a horizontal spray pattern under the cotton leaves to contact weeds in the row, and maintain low spray pressure (less than 30 psi). For best results, make applications where weeds are small (less than 3 inches).

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PRECAUTIONS, RESTRICTIONS: See the "Selective Equipment" part of the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information on proper use and calibration of this equipment.

Preharvest USE INSTRUCTIONS: This product may be applied for preharvest annual and perennial weed control as a broadcast treatment to Roundup Ready® cotton after 20 percent boll crack. Up to 2 quarts of this product may be applied using either aerial or ground spray equipment.

TANK MIXTURES: This product may be tank-mixed with DEF 6, Flexor, Gristor, or Preo, NOTE: This product will not enhance the performance of these herbicides when applied to Roundup Ready® cotton.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 7 days between application and harvest of cotton. Do not apply this product to cotton grown for seed, as a reduction in germination or vigor may occur. THE USE OF ADDITIVES, OTHER THAN THOSE LISTED ON THIS LABEL, FOR PREHARVEST APPLICATION TO COTTON IS PROHIBITED.

ATTENTION: USE OF THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS IS EXPECTED TO RESULT IN NORMAL GROWTH OF ROUNDUP READY COTTON. HOWEVER, VARIOUS ENVIRONMENTAL CONDITIONS, AGRONOMIC PRACTICES AND OTHER FACTORS MAKE IT IMPOSSIBLE TO ELIMINATE ALL RISKS ASSOCIATED WITH THIS PRODUCT. EVEN WHEN APPLICATIONS ARE MADE IN CONFORMANCE WITH THE LABEL SPECIFICATIONS, IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS.

11.3 Soybeans with the Roundup Ready® Gene

TYPES OF APPLICATIONS: Preplant, Preemergence, At-Planting, Postemergence (In-Crop), Preharvest, Post-Harvest.

<table>
<thead>
<tr>
<th>Maximum Allowable Combined Application Quantities Per Season</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined total per year for all applications: 8 quarts per acre</td>
</tr>
<tr>
<td>Preplant, Preemergence, At-planting applications: 5 quarts per acre</td>
</tr>
<tr>
<td>Total in-crop applications from cracking throughout flowering: 3 quarts per acre</td>
</tr>
<tr>
<td>Maximum preharvest application rate: 1 quart per acre</td>
</tr>
</tbody>
</table>

PRECAUTIONS/RESTRICTIONS: See the "ROUNDUP READY® CROPS" section of this label for general precautionary instructions for use in Roundup Ready® crops.

Preplant, Preemergence, At-Planting

USE INSTRUCTIONS: This product may be applied before, during, or after planting soybeans.

Postemergence (In-Crop)

USE INSTRUCTIONS: When applied as directed, this product will control labeled annual grasses and broadleaf weeds in Roundup Ready® soybeans. Applications of this product can be made in Roundup Ready® soybeans from emergence (cracking) throughout flowering. Refer to the "ANNUAL WEEDS RATE TABLE" in this label for spray recommendations for specific annual weeds. In general, an initial application of 1 quart per acre on 2- to 6-inch tall weeds is recommended. Weeds will generally be 2 to 8 inches tall, 5 to 7 weeks after planting. If the initial application is delayed and weeds are larger, apply a higher rate of this product. This product may be used up to 2 quarts per acre in any single in-crop application for control of annual weeds and where heavy weed densities exist. A 1- to 2-quart per acre rate single in-crop application of this product will control or suppress perennial weeds such as Bermudagrass, Canada thistle, common milkweed, field bindweed, hemp dogbane, horseweed, marestail (horseweed), nutlegde, quackgrass, Rhodes johnsongrass, redroot, amaranth, smartweed and w Reminder: For best results, allow perennial weed species to achieve at least 6 inches of growth before spraying with this product. Under adverse growing conditions such as drought, hail, wind damage or a poor soybean stand that slows or delays canopy closure, a sequential application of this product may be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE REQUIRED TO CONTROL NEW Flushes OF WEEDS IN THE ROUNDUP READY® SOYBEAN CROP. To control weeds in the Roundup Ready® soybean crop, it is recommended that 1 quart per acre of this product be applied when the weed is 6 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

NOTE: The use of this product for in-crop applications over Roundup Ready® soybeans is not registered in California.

PRECAUTIONS, RESTRICTIONS: The combined total application from crop emergence through harvest must not exceed 3 quarts per acre. The maximum rate for any single in-crop application is 2 quarts per acre. The maximum combined total of this product that can be applied during flowering is 2 quarts per acre.

Preharvest USE INSTRUCTIONS: This product provides weed control when applied prior to harvest of Roundup Ready® soybeans. Up to 1 quart per acre of this product can be applied by aerial or ground application.

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11.4 Canola with the Roundup Ready® Gene

See "GENERAL INFORMATION" and "MIXING" sections of this label booklet for essential product performance information.

GENERAL INFORMATION USE ONLY ON CANOLA WHICH CONTAINS THE ROUNDUP READY® GENE. DO NOT USE THIS PRODUCT ON CANOLA WITH THE ROUNDUP READY® GENE PLANTED IN THE FOLLOWING STATES: ALABAMA, DELAWARE, FLORIDA, GEORGIA, KENTUCKY, MARYLAND, NEW JERSEY, NORTH CAROLINA, SOUTH CAROLINA, TENNESSEE, VIRGINIA AND WEST VIRGINIA.

Applying this product to canola which is not designated as Roundup Ready® will result in severe crop injury and yield loss. Avoid contact with foliage, green stems, or fruit of crops, or any desirable plants which do not contain the Roundup Ready® gene since severe injury or destruction will result. The Roundup Ready® designation is a patented gene which provides tolerance to this herbicide. Information on Roundup Ready® canola may be obtained from your seed supplier.

USE RECOMMENDATIONS This product will control many troublesome emerged weeds when applied preplant, preemergent and/or with over-the-top applications in Roundup Ready® canola. Allow a minimum of 60 days between last application and canola harvest.

Maximum Allowable Combined Yearly Rates

<table>
<thead>
<tr>
<th>Maximum Allowable Combined Yearly Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>For ground applications with broadcast equipment, apply this product in 5 to 20 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid misting. For best results with ground application equipment use flat fan nozzles. Check for even distribution of spray droplets.</td>
</tr>
<tr>
<td>For aerial applications apply this product in 3 to 15 gallons of water per acre.</td>
</tr>
</tbody>
</table>

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY® GENE. DO NOT APPLY DURING LOW-LEVEL INVERSION CONDITIONS. WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITIONS WHICH FAVOR 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.

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 increases when winds are gusty, as wind velocity increases, when wind direction changes or is changing when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in scatter or fine particles which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

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.

There are no rotational crop restrictions following applications of this product.

Sprayer Preparation It is important that sprayer and mixing equipment be clean and free of pesticide residue before making applications of this product to Roundup Ready® canola. Follow the cleaning procedures specified on the label of the product(s) previously used. Care can be very sensitive to many herbicides at extremely low concentrations and can be taken to thoroughly clean all equipment prior to use.

Preplant or Preemergent Applications This product may be applied by aerial or ground application equipment prior to planting or emergence of canola. The maximum combined application rate from all preplant and pre-emergent applications should not exceed 2 quarts per acre per season.

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NOTE: In no-till and stale seedbed systems, always use a burndown treatment to control existing weeds before canola emerges. Apply a preplant burndown treatment of 16 to 32 fluid ounces per acre of this product.

Over-the-top Applications
This product may be applied by aerial or ground application equipment postemergence to Roundup Ready® canola from emergence through the 6-leaf stage of development. Applications made during bolting or flowering may result in crop injury and yield loss. To maximize yield potential, make applications early to eliminate competing weeds.

Single Application: Apply 16 to 24 ounces per acre no later than the 6-leaf stage for the control of annual weeds. Avoid overlapping applications which may result in temporary yellowing, delayed flowering, and or growth reduction. Similar injury may result when applications of more than 16 ounces per acre are applied after the 4-leaf stage.

Sequential Applications: Apply 16 ounces per acre to 1- to 3-leaf canola followed by a sequential application at a minimum interval of ten days, but no later than 1.6-leaf stage. Sequential applications are recommended for early emerging annual weeds and perennial weeds such as Canada thistle and quackgrass.

This product will control or suppress, most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition through the growing season. No more than two over-the-top broadcast applications may be made from crop emergence through the 6-leaf stage of development and the total in-crop application should not exceed 32 ounces per acre.

WEED CONTROL RECOMMENDATIONS
For specific rates of application and instructions for control of various annual and perennial weeds, refer to the WEEDS CONTROLLED section of this label booklet.

Tank mixes with other herbicides, insecticides, or fungicides may result in reduced weed control or crop injury and are not recommended for over-the-top applications of this product.

Some weeds with multiple germination times or suppressed (stunted) weeds may require sequential applications of this product for control. The second application should be made after some regrowth has occurred and at least 10 days after a previous application of this product.

11.5 Flex Cotton with the Roundup Ready Gene

It is a violation of Federal law to use this product in any manner that is inconsistent with its labeling. This label must be in the possession of the user at the time of application.

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

See GENERAL INFORMATION and MIXING, ADDITIVES, and APPLICATION INSTRUCTIONS sections of the main label booklet for essential product performance information.

SPECIALY FORMULATED FOR EXPANDED ROUNDUP READY FLEX COTTON USES.

ATTENTION: USE OF THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS IS EXPECTED TO RESULT IN NORMAL GROWTH OF ROUNDUP READY FLEX COTTON. HOWEVER, DUE TO THE SENSITIVITY OF COTTON PLANTING TO VARIOUS ENVIRONMENTAL CONDITIONS, AGRONOMIC PRACTICES AND OTHER FACTORS, IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS ASSOCIATED WITH THIS PRODUCT. EVEN WHEN APPLICATIONS ARE MADE IN CONFORMANCE WITH THE LABEL SPECIFICATIONS, IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS.

The use of the over-the-top applications described in this section on other than Roundup Ready Flex cotton will cause crop injury and reduced yields. Drift of this product from applications made to Roundup Ready Flex cotton onto adjacent fields of 4-leaf (node) Roundup Ready cotton may cause extensive injury including boll loss, delayed maturity and/or yield loss.

NOTE: The instructions provided in this section are specific to, and should only be used with varieties designated as Roundup Ready Flex cotton, DO NOT combine the instructions in this section with those in the ROUNDUP READY COTTON section of this label.

TYPES OF APPLICATIONS: Preplant, At-Planting, Preemergence, Postemergence, Preharvest

<table>
<thead>
<tr>
<th>Maximum Allowable Combined Application Quantities Per Season</th>
<th>8 quarts per acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined total per year for all applications</td>
<td>5 quarts per acre</td>
</tr>
</tbody>
</table>
| Calculate the combined rate to be used for all preplant, in-crop and preharvest applications, to ensure that the total does not exceed the maximum allowed rate per acre per year shown above.
| Preplant, Preemergence, At-Planting, Postemergence           | 6 quarts per acre |
| Total in-crop applications from ground cracking to 60 percent open bolls | 2 quarts per acre |
| Maximum allowed from 60 percent bolls open to 7 days prior to harvest. |

PRECAUTIONS, RESTRICTIONS: See the ROUNDUP READY CROPS section of the ALECTO 41H label booklet for general precautionary instructions for use in Roundup Ready crops.

PRECAUTIONS, RESTRICTIONS: See the ROUNDUP READY CROPS section of the ALECTO 41H label booklet for general precautionary instructions for use in Roundup Ready crops.

USE INSTRUCTIONS: This product may be applied before, during or after planting Roundup Ready Flex cotton.

USE INSTRUCTIONS: When applied in accordance with the label, ALECTO 41H will control labeled annual grasses and broadleaf weeds in Roundup Ready Flex cotton. By maintaining yield potential, early control of competing weeds will result in increased yields. Many perennial weeds will be controlled or suppressed with one or more applications of this product. In general, an initial application of 1 quart per acre on 1 to 3 inch tall annual grass and broadleaf weeds is recommended. This product may be applied by ground application equipment at rates up to 1.5 quarts per acre per application postemergence to Roundup Ready Flex cotton. In addition to broadcast applications, post-emergent application equipment may be used to achieve weed coverage.

NOTE: For specific rates of application and instruction, refer to the ANNUAL AND PERENNIAL WEEDS RATE TABLES section of the ALECTO 41H label booklet.

PRECAUTIONS, RESTRICTIONS: The maximum rate for any single in-crop application of this product is 1.5 quarts per acre measured using ground application equipment. The maximum rate of application is 32 fluid ounces per acre at 80% of labeled rate. The addition of other pre- or post-emergence herbicides containing surfactant may cause a crop response including leaf spotting or leaf necrosis. Do not exceed a maximum rate of 1 quart per acre of this product when applying applications by air between May 15th and June 10th. The maximum combined total rate of this product may be applied is 2 quarts per acre. The maximum combined total of all applications made from crop emergence to 60 percent open bolls must not exceed 6 quarts per acre.

PRECAUTIONS, RESTRICTIONS: See the ROUNDUP READY CROPS section of the ALECTO 41H label booklet for general precautionary instructions for use in Roundup Ready crops. Do not combine the instructions in this section with those in the ROUNDUP READY COTTON section of this label.

11.6 Alfalfa with the Roundup Ready Gene

General Information
AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

See "GENERAL INFORMATION" AND "MIXING" sections of the label booklet for ALECTO 41H, for essential product performance information.

Ritter Chemical LLC RECOMMENDS USE OF THIS PRODUCT FOR POSTEMERGENCE APPLICATION ONLY ON ALFALFA VARIETIES DESIGNATED AS CONTAINING A ROUNDUP READY GENE.

The Roundup Ready designation indicates that the alfalfa contains a patented gene, which provides tolerance to this product.

Information on Roundup Ready alfalfa varieties may be obtained from your seed supplier or Monsanto representative. Roundup Ready alfalfa varieties must be purchased from an authorized licensed seed supplier.

See the "ROUNDUP READY CROPS" section of the ALECTO 41H label booklet for general precautionary instructions for use in Roundup Ready crops. Do NOT combine these instructions with other recommendations made for crop varieties that do not contain a Roundup Ready gene listed in the "ANNUAL AND PERENNIAL CROPS (Alphabetically)" section of the ALECTO 41H herbicide label booklet.
Application Instructions

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready alfalfa. Allow a minimum of 5 days between the last application and grazing, or, cutting and feeding of alfalfa forage and hay. For ground applications with broadcast equipment, apply this product in 3 to 40 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

For aerial application: Use the recommended rates of this product in 3 to 15 gallons of spray solution per acre. DO NOT EXCEED 62 fluid ounces of this product per acre when making applications by air. FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE SUPPLEMENTAL LABEL LOCATED UNDER AERIAL APPLICATION IN THAT STATE. AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN A ROUNDUP READY GENETIC MODIFICATION. DO NOT APPLY DURING LOW-LEVEL INVERSION conditions, when winds are partly or under any other conditions that favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer strips must be maintained.

See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of the label booklet for procedures to avoid spray drift that may cause injury to any vegetation not intended for treatment.

Sprayer Preparation: It is important that sprayer and mixing equipment be clean and free of pesticide residue before making applications of this product to Roundup Ready alfalfa. Follow the cleaning procedures specified on the label of the product(s) used. Alfalfa is very sensitive to many herbicides at extremely low concentrations and care should be taken to thoroughly clean all equipment prior to use.

Types of applications: Preplant, At-planting, Preemergence and Postemergence.

Maximum Allowable Application Rates

| Combined total per year for all applications, including preplant during year of establishment | 201 fl. ounces per acre |
| Combined total per year for in-crop applications for newly established and established stands | 157 fl. ounces per acre |
| Preplant, At-planting and Preemergence single applications | 52 fl. ounces per acre |

A. New Stand Establishment (seeding year)

Prior to First Cutting During New Stand Establishment

| From emergence up to 4 trifoliate leaves | 52 fl. ounces per acre |
| From 5 trifoliate leaves up to 5 days before first cutting | 52 fl. ounces per acre |

After First Cutting in Newly Established Stands:

| In-crop application, per cutting, up to 5 days before cutting | 52 fl. ounces per acre |

B. Established Stands (non-seeding year)

| In-crop application, per cutting, up to 5 days before cutting | 52 fl. ounces per acre |

There are no rotational crop restrictions following applications of this product. For any crop NOT listed in the label booklet, applications must be made at least 30 days prior to planting.

Over-the-top applications: This product may be applied postemergence to Roundup Ready alfalfa from emergence until 5 days prior to cutting. Any single over-the-top application of this product should not exceed 62 fluid ounces per acre. Sequential applications of this product should be at least 7 days apart.

ATTENTION: Where Roundup Ready alfalfa is grown with a companion or cover crop, or is overseeded with a second species, over-the-top applications of this product will eliminate the non-Roundup Ready species.

During stand establishment, due to the biology and breeding constraints of alfalfa, up to 10 percent of the seedlings may not contain a Roundup Ready gene and will not be controlled by the first application of this product. To eliminate the undesirable affects of stand gaps created by the loss of plants not containing a Roundup Ready gene, a single application of at least 27 fluid ounces per acre of this product should be applied at or before the 3 to 4 trifoliate stage growth. In both newly seeded and established stands, in order to maximize yield and quality potential of forage and hay, applications of this product should be made after weeds have emerged but before alfalfa growth or re-growth interferes with application spray coverage of the largest weeds.

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Weeds controlled: For specific rates of application and instructions for control of various annual and perennial weeds, refer to the "ANNUAL WEEDS RATE TABLE" and the "PERENNIAL WEEDS RATE TABLE" in the ALECTO 4HL label booklet. Some weeds with multiple germination times or suppressed (stunted) weeds may require a second application of this product for complete control. The second application should be made after some re-growth of weeds has occurred.

In addition to those weeds listed in the ALECTO 4HL label booklet, this product will suppress or control the parasitic weed, Dodder (Cuscuta spp.) in Roundup Ready alfalfa. Repeat applications may be necessary for complete control.

PRECAUTIONS AND RESTRICTIONS: Any single over-the-top application of this product should not exceed 62 fluid ounces per acre. Sequential applications of this product should be at least 7 days apart. The combined total per year for all in-crop applications in newly established and established stands must not exceed 157 fluid ounces per acre. Remove domestic livestock before application and wait a minimum of 5 days after last application before grazing, or cutting and feeding of Roundup Ready alfalfa forage and hay.

Read the "LIMIT OF WARRANTY OR LIABILITY" in the label booklet for ALECTO 4HL before using. For over-the-top uses on Roundup Ready crop varieties, crop safety and weed control performance are not warranted by Ritter Chemical, LLC when this product is used in conjunction with "brown bag" or "thin run" seed saved from previous year's production and replanted.

11.7 Sugar Beets with the Roundup Ready Gene

TYPES OF APPLICATIONS: Preplant, Preemergence, At-Planting, Postemergence (In-Crop).

Maximum Allowable Application Rates

| Combined total per year for all applications | 6 quarts per acre |
| Preplant, At-planting and Preemergence single applications | 5 quarts per acre |
| Emergence to 8-leaf stage | 2.5 quarts per acre |
| Between 8-leaf stage and canopy closure | 2 quarts per acre |

PRECAUTIONS, RESTRICTIONS: See the "ROUNDUP READY CROPS" section of this label for general precautionary instructions for use in Roundup Ready crops.

The maximum rate of a single application from crop emergence through harvest cannot exceed 4.5 quarts per acre. The maximum rate for any single application from crop emergence until the 8-leaf stage is 1.5 quarts per acre. The maximum rate for any single application between the 8-leaf stage and canopy closure is 1 quart per acre. Allow a minimum of 30 days between last application and sugar beet harvest.

Preplant, Preemergence, At-planting

USE INSTRUCTIONS: This product may be applied before, during or after planting of Roundup Ready sugar beets, Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergent over-the-top to Roundup Ready sugar beets from emergence to 30 days prior to harvest. To maximize yield potential, apply the maximum recommended rates of this product early to eliminate competing weeds. Up to 4 sequential applications of this product may be made with at least 10 days between applications. Refer to the "ANNUAL WEEDS RATE TABLE" in this label for rate recommendations for selective annual weeds. This product will control or suppress most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition throughout the growing season.

12.0 NONCROP USES AROUND THE FARMSTEAD

TYPES OF APPLICATIONS: General Non-Selective Weed Control, Trim-and-Edge, Greenhouse/Shadehouse, Chemical Mowing, Cut Stumps, Habitat Management.

12.1 General Weed Control and Trim-and-Edge

USE INSTRUCTIONS: This product may be used to control annual weeds, perennial weeds and woody brush which are found in any part of the farmstead, including building foundations, along and in fences, in dry ditches and canals, along ditches, farm roads, shelterbelts, prior to landscape plantings and equipment storage areas.

TANK MIXTURES: This product may be tank-mixed with the following products. Refer to these product labels for approved farmstead sites and application rates. For annual weeds, use 1 quart per acre of this product when weeds are less than 6 inches tall. 1.5 quarts per acre when weeds are 6 to 12 inches tall and 2 quarts per acre when weeds are greater than 12 inches tall. For perennial weeds, apply 2 to 5 quarts per acre in these tank mixes. For tank-mixtures with these products through backpack sprayers, handguns or other high-volume spray-to-wet applications, see the "ANNUAL WEEDS - HAND HELD OR HIGH-VOLUME EQUIPMENT" section of this label for recommended rates.

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12.2 Greenhouse/Shadehouse

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

12.3 Chemical Mowing

USE INSTRUCTIONS: This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 6 fluid ounces of this product per acre when treating Kentucky bluegrass. Use 12 fluid ounces of this product per acre when treating tall fescue, fine fescue, orchardgrass, bermudagrass or quackgrass. Use 16 fluid ounces of this product per acre when treating Bermudagrass. Use 64 fluid ounces of this product per acre when treating topdressed or paragrass. Apply treatments in 10 to 20 gallons of spray solution per acre. Chemical mowing applications may be made along farm ditches and other parts of farmsteads.

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

12.4 Cut Stumps

TYPES OF APPLICATION: Treating cut stumps in any noncrop site listed on this label

USE INSTRUCTIONS: This product will control regrowth of cut stumps and ramets of many types of woody brush and tree species, some of which are listed below. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or ramets close to the soil surface. Apply a 50 to 120 percent solution of this product to the freshly cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

PRECAUTIONS, RESTRICTIONS: 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 planted, injury is likely to occur to non-treateped trees/stems when one or more trees sharing common roots are treated.

12.5 Habitat Management

TYPES OF USES: Habitat Restoration and Maintenance, Wildlife Food Pots,

Habitat Restoration and Maintenance

USE INSTRUCTIONS: This product may be used to control exotic and other undesirable vegetation in habitat management areas. Applications may 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. Soil treatments may be made to selectively remove unwanted plants for habitat maintenance and enhancement

Wildlife Food Pots

USE INSTRUCTIONS: This product may be used as a site preparation treatment to control annual and perennial weeds prior to planting wildlife food pots. Any wildlife food pot species may be planted after applying this product, or native species may be allowed to respond to the area. If tillage is needed to prepare a seedbed, wait 7 days after application before tillage.

13.0 ANNUAL WEEDS RATE TABLE (Alphabetically by Species)

WATER CARRIER VOLUMES OF 3 TO 10 GALLONS PER ACRE FOR GROUND APPLICATIONS AND 3 TO 5 GALLONS PER ACRE FOR AERIAL APPLICATIONS ARE RECOMMENDED.

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<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (fluid ounces per acre)</th>
<th>16</th>
<th>24</th>
<th>32</th>
<th>40</th>
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<th>Maximum height/length (in inches)</th>
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ANNUAL WEEDS RATE TABLE

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<th>Weed Species</th>
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<td>Foxtail, green</td>
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<td>Grain sorghum (milo)</td>
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<td>Horseweed/Wrestall (Coriopsis canadensis)</td>
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<td>Mayweed</td>
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<td>Morning glory, annual</td>
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<td>-</td>
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<tr>
<td>(Ipomea spp.)</td>
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<td>Mustard, blue</td>
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<td>18</td>
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</tbody>
</table>

Page 38
### ANNUAL WEEDS RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>RATE (fluid ounces per acre)</th>
<th>Maximum height/length (in inches)</th>
<th>Weed Species</th>
<th>RATE (fluid ounces per acre)</th>
<th>Maximum height/length (in inches)</th>
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<tr>
<td></td>
<td>16</td>
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<tr>
<td>Mustard, tansy</td>
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<td>Mustard, tansy</td>
<td>6</td>
<td>12</td>
<td>18</td>
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<tr>
<td>Mustard, wisl</td>
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<td>Nightshade, black</td>
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<td>4</td>
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<td>Nightshade, hairy</td>
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<td>Oats</td>
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<td>Pigweed species</td>
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<td>Ragweed, common</td>
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<td>6</td>
<td>12</td>
<td>18</td>
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<td>Ragweed, giant</td>
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<td>12</td>
<td>18</td>
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<tr>
<td>Red root</td>
<td>6</td>
<td>12</td>
<td>18</td>
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<tr>
<td>Rye, volunteer/cereal</td>
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<tr>
<td>Ryegrass</td>
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<td>12</td>
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<tr>
<td>Sandbur, field</td>
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<tr>
<td>Sandbur, longspine</td>
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<td>Shattercane</td>
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<td>Shepherd's-purse</td>
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<td>12</td>
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<tr>
<td>Sicklepod</td>
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<td>4</td>
<td>8</td>
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<tr>
<td>Signalgrass, broomleaf</td>
<td>-</td>
<td>3</td>
<td>6</td>
<td>7</td>
<td>9</td>
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<tr>
<td>Smartweed, lady's-thumb</td>
<td>-</td>
<td>3</td>
<td>6</td>
<td>7</td>
<td>9</td>
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<tr>
<td>Smartweed, Pennsylvania</td>
<td>-</td>
<td>3</td>
<td>6</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Sowthistle, annual</td>
<td>-</td>
<td>6</td>
<td>12</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

1 For control of downy brome in no-till systems, use 24 fluid ounces per acre.
2 Performance is better if application is made before this weed reaches the boot stage of growth.
3 Use 24 fluid ounces per acre of this product to control wild buckwheat in the cultivation stage. Use 32 fluid ounces per acre to control 2- to 4-foot tall wild buckwheat. For improved control of wild buckwheat over 2 inches tall, use sequential treatments of 32 fluid ounces followed by 32 fluid ounces of this product per acre.
4 Do not spray kochia in the button stage.
5 Control of Russian Thistle may vary based on environmental conditions and spray coverage. Whenever possible, a tank mixture with 2,4-D as described below may improve control.

#### 13.1 Annual Weeds – Rates for 10 to 40 Gallons Per Acre

Apply 1 to 2 quarts of this product per acre. Use 1 quart per acre if weeds are less than 6 inches tall, 1.5 quarts per acre if weeds are 6 to 12 inches tall and 2 quarts per acre if weeds are greater than 12 inches tall. These rates will provide control of weeds listed in the ANNUAL WEEDS RATE TABLE when water carrier volumes are 10 to 40 gallons per acre for ground applications. Older, mature (hardened) annual weed species may require higher rates even if they meet the size requirements.

#### 13.2 Annual Weeds – Tank Mixtures with 2,4-D, Dicamba, or Tordon 22K

12 to 16 fluid ounces of this product plus 0.25 pound of dicamba or 0.5 pound of 2,4-D or 1 to 2 fluid ounces of Tordon 22K per acre will control the following weeds with the maximum height or length indicated: 6 inches – prickly lettuce, morningglory, kochia (dicamba only), wild buckwheat (Tordon 22K only); 12 inches – cocklebur, lambsquarters, pigweed, Russian thistle (2,4-D only). 16 fluid ounces of this product plus 0.5 pound of 2,4-D per acre will control the following weeds when they are a maximum height or length of 6 inches: common ragweed, giant ragweed, Pennsylvania smartweed, and velvetleaf.

Refer to the specific product labels for crop rotation restrictions and cautionary statements of all products used in tank mixtures. Some crop injury may occur if dicamba or Tordon 22K is applied within 45 days of planting. Do not apply dicamba tank mixtures by air in California.

This product may be tank-mixed with the products listed providing that the product to be tank-mixed is registered for use on this site.

#### 13.3 Annual Weeds – Hand-Held or High-Volume Equipment

For control of weeds listed in the ANNUAL WEEDS RATE TABLE, apply a 0.5 percent 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 unless otherwise specified, use a 1 percent solution.

For best results, use a 2 percent solution on hard-to-control perennials, such as Bermudagrass, dock, field bindweed, hogweed, milkweed, and Canada thistle. When using application methods that result in less than complete coverage, use a 5 percent solution for annual and perennial weeds and a 10 percent solution for woody brush and trees.

#### 13.4 Annual Weeds – Tank Mixtures with Atrazine for Fallow and Reduced Tillage Systems

For use only in Colorado, Kansas, Nebraska, Oklahoma, Oregon, South Dakota, and Washington. In Oregon and Washington, do not exceed 1 pound of atrazine per acre.

24 to 32 fluid ounces of this product plus 1 to 2 pounds of atrazine per acre will control the following weeds: Barnyardgrass (requires 28 ounces for control), Downy brome, Green foxtail, Lambsquarters, Prickly lettuce, Tansy mustard, Pigweed, Field sandbur, Stiltgrass, Russian thistle, Volunteer wheat, and Kochia (add 0.125 pound of dicamba for control).

#### 14.0 PERENNIAL WEEDS RATE TABLE (Alphabetically by Species)

Apply to actively growing perennial weeds.

**NOTE:** If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the recommended stages.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Repeat treatments must be made prior to crop emergence.

Unless otherwise stated, allow 7 or more days after application before tillage.

Best results are obtained when soil moisture is adequate for active weed growth.

### ANNUAL WEEDS RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (O/TA)</th>
<th>Water Volume (GPA)</th>
<th>Hand-Held (% Solution)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>1 – 2</td>
<td>3 – 10</td>
<td>2%</td>
</tr>
</tbody>
</table>
| Make applications after the last hay cutting in the fall. Allow alfalfa to mature to a height of 6 to 8 inches or more prior to treatment. Applications should be followed with deep tillage at least 7 days after treatment, but before soil break-up. Alfalfa should be cut 2-3 weeks after application. "For partial control, when most of the plants are in bloom. Repeat applications will be required to maintain control."
| Amaranth              | 1 – 2       | 3 – 10             | 1%                     |
| Apply a spray-to-wet treatment. Optimum results are obtained when plants are treated at the bud to full-bloom stage of growth. Amaranth should be cut 2-3 weeks after application. "For partial control, when most of the plants are in bloom. Repeat applications will be required to maintain control." |
| Bahiagrass            | 3 – 5       | 3 – 20             | 2%                     |
| When most plants have reached the early head stage. Bahiagrass should be cut 2-3 weeks after application. "For suppression in grass seed production areas. For ground applications only. Ensure entire crown area has regrown prior to application. Bahiagrass should have at least 3 inches of growth. Tillage prior to treatment should be avoided. Tillage 7 to 10 days after application is recommended for best results."
| Bentgrass             | 1.5         | 10 – 20            | 2%                     |
| For suppression in grass seed production areas. For ground applications only. Ensure entire crown area has regrown prior to application. Bentgrass should have at least 3 inches of growth. Tillage prior to treatment should be avoided. Tillage 7 to 10 days after application is recommended for best results."
| Bermudagrass, water   | 1 – 1.5     | 5 – 10             | 2%                     |
| Apply 1.5 quarts of this product in 5 to 10 gallons of water per acre. Apply when water Bermudagrass is 12 to 18 inches in length. Allow 7 or more days before tilling. Tilling shall be 3-4 inches. Bermudagrass is active growing. "For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 5 to 4 quarts east of the Mississippi River. Apply when the weeds are at or beyond full bloom. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost."
| Bermudagrass, winter  | 1 – 1.5     | 5 – 10             | 2%                     |
| Apply 1.5 quarts of this product in 5 to 10 gallons of water per acre. Apply when water Bermudagrass is 12 to 18 inches in length. Allow 7 or more days before tilling. Tilling shall be 3-4 inches. Bermudagrass is active growing. "For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 5 to 4 quarts east of the Mississippi River. Apply when the weeds are at or beyond full bloom. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost."
| Bermudagrass, field   | 0.5 – 1     | 3 – 5              | 2%                     |
| Do not treat when weeds are under drought stress as good soil moisture is necessary for active growth. For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 5 to 4 quarts east of the Mississippi River. Apply when the weeds are at or beyond full bloom. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost."
PERENNIAL WEEDS RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Water Volume (GPA)</th>
<th>Hand-Held % Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birdseed, field (cont.)</td>
<td>0.5-6</td>
<td>3-20</td>
<td>2%</td>
</tr>
<tr>
<td>Also for control, apply 3 quarts of this product plus 0.5 pound of dicamba in 10 to 20 gallons of water per acre. Do not apply by air. For suppression on irrigated agricultural land, apply 1 to 2 quarts of this product plus 1 pound of 2,4-D in 10 to 20 gallons of water per acre with ground equipment only. Applications should be made following harvest or in fall follow when ground is unsuited for active broadleaf growth. The majority of numbers are 12 inches or more in length. The use of at least one irrigation will promote active broadleaf growth. For suppression, apply 16 fluid ounces of this product plus 0.5 pound of 2,4-D in 3 to 10 gallons of water per acre for ground applications and 3 to 5 gallons of water for aerial applications. Apply by air in fall and reduced tillage systems. Applications should be made before maximum emergence has occurred and when vines are between 6 and 18 inches in length. In California, apply 1 to 4 quarts of this product per acre. Actual rate needed for suppression or control will vary within this range depending on local conditions. For suppression on irrigated land where annual tillage is performed, apply 1 quart of this product in 3 to 9 gallons of water per acre. Apply to bineedle that has reached a length of 12 inches or greater. Allow maximum weed emergence, run off, or more days after application before tillage. Bluegrass, Kentucky</td>
<td>1-2</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-earhead seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 quarts of this product in 3 to 10 gallons of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height. Bluegrass, Texas</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply 4 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts per acre east of the Mississippi River. Apply when plants are at or beyond full bloom. New leaf development indicates active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Brackenfern</td>
<td>3-4</td>
<td>3-40</td>
<td>1-1.5%</td>
</tr>
<tr>
<td>Apply to fully expanded fronds that are at least 18 inches long. Bromegrass, smooth</td>
<td>1-2</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-earhead seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 quarts of this product in 3 to 10 gallons of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height. Burgrass, wooly-leaf</td>
<td>3-4</td>
<td>20</td>
<td>2%</td>
</tr>
<tr>
<td>For control, apply 2 quarts of this product plus 0.5 pound of dicamba per acre. For control, apply 1 quart of this product plus 0.5 pound of dicamba per acre. Apply when plants are producing new active growth which has been initi-ated by moisture for at least 2 weeks and when plants are at or beyond flowering. Canada Grass, red</td>
<td>2-3</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>For best results, apply when most plants have reached the boot-to-head stage of growth.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERENNIAL WEEDS RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Water Volume (GPA)</th>
<th>Hand-Held % Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cattail</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage. Clover, red, white</td>
<td>3-5</td>
<td>3-20</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clover, white, red</td>
<td>3-5</td>
<td>3-20</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Dandelion</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage of growth.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dandelion</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage of growth.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Dock, early</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage of growth,</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Dock, yellow</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage of growth.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dogbane, hemp</td>
<td>4</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regress to a mature stage prior to treatment. For best results, apply in late summer or fall. For suppression, apply 16 fluid ounces of this product plus 0.5 pound of 2,4-D in 3 to 10 gallons of water per acre for aerial applications. Delay applications until maximum emer-gence of dogbane has occurred. Fescue (except tall)</td>
<td>3-5</td>
<td>3-20</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached the early bud stage. Fescue, tall</td>
<td>3-5</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply 5 quarts of this product per acre when most plants have reached boot-to-earhead seedhead stage of development. Fall applications only: Apply 1 quart of this product in 3 to 10 gallons of water per acre. Apply to fescue in the fall when plants have 6 to 12 inches of new growth. A sequential application of 1 pint per acre of this product will improve long-term control and control seedlings emerging after fall treatments or the following spring. Gnetumgrass</td>
<td>2-3</td>
<td>3-40</td>
<td>2%</td>
</tr>
<tr>
<td>Apply when most plants have reached at least the 7-leaf stage or growth. Ensure thorough coverage when using hand-held equipment. In Texas and ridge of Florida, Use 2 quarts for control. In the flatwoods region of Florida, 3 quarts is required for control. (continued)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PERENNIAL WEEDS RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Water Volume (GPA)</th>
<th>Hand-Held % Solution</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paragras</td>
<td>3 - 5</td>
<td>5 - 10</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Pimpernel</td>
<td>3 - 5</td>
<td>5 - 10</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Quackgrass</td>
<td>1 - 2</td>
<td>5 - 10</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Redroot</td>
<td>3 - 5</td>
<td>5 - 10</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Ryegrass</td>
<td>1 - 3</td>
<td>3 - 40</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Stipa, Canada</td>
<td>2 - 3</td>
<td>3 - 40</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Timothy</td>
<td>2 - 3</td>
<td>3 - 40</td>
<td>1 - 2%</td>
<td></td>
</tr>
<tr>
<td>Torpedograss</td>
<td>4 - 5</td>
<td>3 - 40</td>
<td>1 - 2%</td>
<td></td>
</tr>
</tbody>
</table>

15.0 WOODY BRUSH AND TREES RATE TABLE (Alphabetically by Species)

Apply this product after full leaf expansion, unless otherwise directed. For larger plants and/or dense areas of growth, use 3 to 4 quarts of this product per acre. Best results are obtained when application is made in late summer or fall. In areas with severe frost, 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.

Apply to woody brush and trees that have reached the boot-to-head stage of growth. 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 seeds. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Reduced performance may result if till treatments are made following a frost.

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Water Volume (GPA)</th>
<th>Hand-Held % Solution</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alnus</td>
<td>3 - 4</td>
<td>3 - 20</td>
<td>1 - 15%</td>
<td></td>
</tr>
<tr>
<td>Ash</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>PC</td>
<td></td>
</tr>
<tr>
<td>Aspen, quaking</td>
<td>2 - 3</td>
<td>1 - 15%</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Beargrass</td>
<td>2 - 3</td>
<td>1 - 2%</td>
<td>PC</td>
<td></td>
</tr>
<tr>
<td>Birch</td>
<td>2 - 5</td>
<td>1 - 15%</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Blackberry</td>
<td>3 - 4</td>
<td>1 - 15%</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Make applications after plants have reached full leaf maturity. Best results are obtained when applications are made in late summer or fall. Applications may also be made after leaf drop but until killing frost or as long as leaves are green. After leaves have set out or dropped in late fall, blackberry can be controlled by using a 0.75% solution of this product. For control of blackberries after leaf drop and until killing frost or as long as leaves are green, apply 3 to 4 quarts of this product in 10 to 40 gallons of water per acre.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WOODY BRUSH AND TREES RATE TABLE (continued)

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Hand-Held % Solution</th>
<th>Comments*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horehound, American</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Kudzu</td>
<td>4 - 5</td>
<td>2%</td>
<td>C</td>
</tr>
<tr>
<td>Repeat applications may be required to maintain control.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locust, black</td>
<td>2 - 4</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Madrone resprouts</td>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apply to resprouts that are 3 to 6 feet tall. Best results are obtained with spring/early summer treatments.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manzanita</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Maple, red</td>
<td>2 - 4</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Apply a 1 to 1.5 percent solution when at least 50 percent of the new leaves are fully developed. For partial control, apply 2 to 4 quarts of this product per acre.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maple, sugar</td>
<td>—</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Apply when at least 50 percent of the new leaves are fully developed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monkey flower</td>
<td>2 - 4</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Thorough coverage of foliage is necessary for best results.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oak, black, white</td>
<td>2 - 4</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Oak, post</td>
<td>3 - 4</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Oak, northern</td>
<td>2 - 5</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Apply when at least 50 percent of the new leaves are fully developed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oak, southern red</td>
<td>2 - 4</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Persimmon</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Pine</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Poison ivy/Poison oak</td>
<td>4 - 5</td>
<td>1 - 1.5%</td>
<td>C</td>
</tr>
<tr>
<td>Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poplar, yellow</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Redbud, eastern</td>
<td>2 - 5</td>
<td>1 - 2%</td>
<td>C</td>
</tr>
<tr>
<td>Rose, multiflora</td>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Treatments should be made prior to leaf deterioration by leaf-eating insects.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SILVICULTURAL SITES</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Not recommended for use as an over-the-top broadcast spray in silvicultural nurseries.

When applied as directed for "Silvicultural Sites" under conditions described, this product controls undesirable vegetation listed on this label. This product also suppresses or controls undesirable vegetation listed on this label when applied at recommended rates for release of established continuous species listed on this label.

For specific rates of application and instructions for control of various shrubs, annuals, and perennial weeds, see the "WEEDS CONTROLLED" section of this label.

Where repeat applications are necessary, do not exceed 10.6 quarts of this product per acre per year.

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INDUSTRIAL USES —

- Parks, recreational, and residential areas
- Railroads
- Bare ground baldast and shoulders, crossings, and spot treatment
- Brush control
- Bermudagrass release
- Roadsides
- Shoulder treatments
- Guardrails and other obstacles to mowing
- Spot treatment
- Release of Bermudagrass or Bahiagrass

GENERAL INFORMATION

Product Description: This product is a postemergent, 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 water-soluble liquid containing surfactants.

Time to Symptoms: 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 development of visible symptoms. Visible effects are gradual wilting and yellowing of the plant which advance to complete browning of above ground growth with deterioration of underground plant parts.

Mode of Action in Plants: The active ingredient in this product inhibits an enzyme found only in plants that is essential to formation of specific amino acids.

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

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

No Soil Activity: Weeds must be emerged at the time of application to be controlled by this product. Weeds germinating from seed after application will not be controlled. Unemerged plants arising from unattached underground rhizomes or rootstocks of perennials will not be affected by the herbicide.

Tank Mixture: 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. Use according to the most restrictive label directions for each product in the mixture.

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 recommended in this label. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance.

Annual Maximum Use Rate: The combined total of all treatments must not exceed 10.6 quarts of this product per acre per year.
ATTENTION

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.

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

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 increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in spray or liquid 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.

MIXING

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

NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS VISIBLY MUDDY WATER OR WATER FROM PONDS AND DITCHES THAT IS NOT CLEAR.

MIXING WITH WATER

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 recommended amount of this product near the end of the filling process and mix well. Use caution to avoid spinning 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 agitation, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

SURFACTANT

Nonionic 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 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 70 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 70 percent active ingredient.

Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

TANK MIXING PROCEDURE

When tank mixing, read and carefully observe label directions, cautionary statements and all information on the labels of all products used. Add the tank-mix product to the tank as directed by the label. Maintain agitation and add the recommended amount of this product.

Maintain good agitation at all times until contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation may be required to reestablish the mixture before spraying is resumed.

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

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

Refer to the "Tank Mixing" section of "GENERAL INFORMATION" for additional precautions.

MIXING FOR HAND-HELD SPRAYERS

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

<table>
<thead>
<tr>
<th>Spray Solution</th>
<th>Desired Volume</th>
<th>1/2%</th>
<th>1%</th>
<th>Amount of ALECTO 4HR</th>
<th>1-1/2%</th>
<th>2%</th>
<th>3%</th>
<th>5%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 gal</td>
<td>20 oz</td>
<td>1-1/2 qt</td>
<td>2 qt</td>
<td>2-1/2 oz</td>
<td>4-1/2 qt</td>
<td>6 qt</td>
<td>8 qt</td>
<td>10 qt</td>
<td>13 qt</td>
</tr>
<tr>
<td>25 gal</td>
<td>1 pt</td>
<td>1 qt</td>
<td>2 qt</td>
<td>2-1/2 oz</td>
<td>4-1/2 qt</td>
<td>6 qt</td>
<td>8 qt</td>
<td>10 qt</td>
<td>13 qt</td>
</tr>
<tr>
<td>100 gal</td>
<td>2 qt</td>
<td>1 gal</td>
<td>2 gal</td>
<td>2-1/2 gal</td>
<td>4-1/2 gal</td>
<td>6 gal</td>
<td>8 gal</td>
<td>10 gal</td>
<td>13 gal</td>
</tr>
</tbody>
</table>

Two tablespoons = 1 fluid ounce

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

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Colorants or Dyes

Applicator-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 dilution. Use colorants or dyes according to the manufacturer's recommendations.

APPLICATION EQUIPMENT AND TECHNIQUES

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

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

SPRAY DRIFT MANAGEMENT

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

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.

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 is responsible for considering all these factors when making decisions.

AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications or to public health uses.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

2. Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees. Where states have more stringent regulations, they should 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 the "Wind", "Temperature and Humidity", and "Temperature Inversions" sections of this label).

Controlling Droplet Size

- **Volume**: Use high-flow-rate nozzles to apply the highest practical spray volume. Nozzles with the higher rated flows produce larger droplets.

- **Pressures**: Use the lower spray pressures recommended for the nozzles. 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.

- **Angle of nozzles**: Direct the spray so that the spray is released backward, 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 orientation**: Using nozzles that are 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 height**: For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

- **Application height**: Applications should not be made at no more 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 the exposure of the 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 droplets, etc.).

Wind

Drift potential is lowest when wind speed is 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should 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 should not occur during a temperature inversion because drip potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud may move in unpredictable directions due to the 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 leaves and moves rapidly in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas
The pesticide should only be applied when the potential for drift to adjacent sensitive 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).

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

FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS. THIS PRODUCT plus Barves™ and 2,4-D tank mixtures may not be applied by air in California.

AVOID DRIFT—DO NOT APPLY DURING LOW-LEVEL INVERSION CONDITIONS. WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT, DRIFT IS LIKELY TO 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.

Avoid direct application to any body of water.

Use the recommended rates of this herbicide in 3 to 25 gallons of water per acre.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine droplet sprays. 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 cautionary statements and all other information appearing on the additive label.

Ensures uniform application—To avoid streaked, uneven, or overlapped application, use appropriate manuring devices.

PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. THE MAINTENANCE OF AN ORGANIC COATING (PAINT) WHICH MEETS AEROSPACE SPECIFICATION MIL-C-38413 MAY PREVENT CORROSION. TO PREVENT CORROSION OF EXPOSED PARTS, THOROUGHLY WASH AIRCRAFT AFTER EACH DAY OF SPRAYING TO REMOVE ACCUMULATED SPRAYING OR FROM SPLITS. LANDING GEAR ARE MOST SUSCEPTIBLE.

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

Hand-Held and High-Volume Equipment
Applying to heavy vegetation may 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. Use coarse spray only.

For control of weeds listed in the “Annual Weeds” section of “WEEDS CONTROLLED,” apply a 0.5 percent solution of this product to weeds less than 6 inches in height or更大 length. For annual weeds over 6 inches tall, or unless otherwise specified, use a 1 percent solution. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds.

For best results, use a 2 percent solution on hard-to-control perennial, such as bermsudagrass, cocklebur, hemp dogbane, milkweed, and Canada thistle.

For low volume directed spray applications, use a 5 to 10 percent solution of this product for control of partial control of annual weeds, perennial weeds, or woody brush and trees. Stand coverage should be uniform with at least 50 percent of the foliage contacted. Coverage of the soil zone 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.

Selective Equipment
This product may be applied through recirculating spray systems, shielded applicators, hooded sprayers, wiper applicators or sponge bars after dilution and thorough mixing with water to listed weeds growing in any noncrop 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.

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

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

Avoid CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION AS SERIOUS INJURY OR DEATH IS LIKELY TO OCCUR.

Applicators used after 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 is likely to result in discoloration, stunting or death.

Better results may be obtained when more of the spray solution is exposed to 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 treatment may be necessary.

Shielded and Hooded Applicators
Use equipment that provides uniform coverage within the treated area. Keep shields on these sprayers adjusted to protect desirable vegetation. EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION.

Wiper applicators and sponge bars.
Equipment must be designed, maintained and operated to prevent the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds not 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 applications are made in opposite directions.

Avoid leakage or dripping onto desirable vegetation. Adjust height of applicator to ensure adequate contact with weeds. Keep wiper 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 Reel or Sponge Wick Applicators—Solutions ranging from 33 to 75 percent of this product in water may be used.

For Perusal-Plastic Applicators and pressure-feed systems—Solutions ranging from 33 to 100 percent of this product in water may be used.

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

<table>
<thead>
<tr>
<th>Corn, volunteer</th>
<th>Parvicon, Texas</th>
<th>Ry, common</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shattercane</td>
<td>Sicklepod</td>
<td>Spanish needles</td>
</tr>
<tr>
<td>Starbrite, bluey</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When applied as recommended, this product SUPPRESS the following weeds:

<table>
<thead>
<tr>
<th>Beggarweed, Florida</th>
<th>Bermudagrass</th>
<th>Dogbane, hemp</th>
<th>Dogfennel</th>
<th>Guineagrass</th>
<th>Johnsongrass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milkwed</td>
<td>Nettles, silverleaf</td>
<td>Pigweed, reed</td>
<td>Ragweed, common</td>
<td>Ragweed, giant</td>
<td>Smutgrass</td>
</tr>
<tr>
<td>Sunflower</td>
<td>Tristle, Canada</td>
<td>Tristle, muck</td>
<td>Vastagrass</td>
<td>Velvetleaf</td>
<td></td>
</tr>
</tbody>
</table>

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 injection systems unless specifically recommended.

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

CD 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 RECOMMENDATIONS

Detailed instructions follow alphabetically by site.

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. INJURY RESULTING FROM ROOT GRAFTING IS LIKELY TO OCCUR IN ADJACENT WOODY BRUSH OR TREES.

General Noncrop Areas and Industrial Sites

Arsenal™
BANVEL
BARCLO™
BARON
BAYGON™
DESERTEC™
DOCK™
ESCORT™
GARLON™
GARLON 3A
GARLON 4
KARIMEX™
KROVAR™ I DF
KROVAR I DF
KROVAR I DF
PENNIUM™ 3.6 EC
PENNIUM WDG
PLATEAU™
PRINCE™
PRINCE™ LIQUID
PRINCE™ LIQUID
RONSTAR™ E500
SAHARA™
SIMZINE
SURFAM™
TELAR™
VANQUISH™
2,4-D

This product plus dicamba tank mixtures may not be applied in California. 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 1 to 2 quarts of this product plus 2 to 4 ounces of Oust per acre.

Dock, curly
Dogfennel
Fescue, tall
Johnsongrass

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 8 fluid ounces of this product per acre when treating tall fescue, fine fescue, orchardgrass or quackgrass covers. Use 6 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 - Perennials

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 4 to 6 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Applications should be made while 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 Turfgrasses

This product may be used to control or suppress many winter annual weeds and tall fescue for effective release of dormant bermudagrass and bahiagrass tuff. Treat only when turf is dormant and prior to spring greenup. Apply 8 to 16 fluid ounces of this product per acre. Apply the recommended 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. Treatments in excess of 16 fluid ounces per acre may result in injury to or delayed greenup in highly maintained areas, such as golf courses and lawns. DO NOT apply tank mixtures of this product plus Oust in highly maintained turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for dormant 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 16 fluid ounces of this product per acre in highly maintained turfgrass areas. DO NOT apply tank mixtures of this product plus Oust 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.

Ornamentals

Post-directed, Trim-and-edge

This product may be used in a post-directed spray around established woody ornamental species such as arborvitae, azalea, boxwood, crabapple, eucalyptus, fir, Douglas fir, jojoba, holm oak, magnolia, maple, oak, privet, pine, spruce and yew. This product may also be used to trim and edge around trees, buildings, sidewalks and roads, potted plants and other objects in a nursery setting. Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material. THIS PRODUCT IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTAL AND CHRISTMAS TREES. Care must be exercised to avoid contact of sprays, drift or mist with foliage or green band of established ornamental species.

Site preparation

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

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 section. This product may be used to trim-and-edge around trees, fences, paths, around buildings, sidewalks, and other objects in these areas. This product may be used for spot treatment of unwanted vegetation. This product may be used to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to or prior to planting an area to ornamentals, flowers, turfgrass sod or trees, or prior to laying asphalt or beginning construction projects.

Railroads

All instructions in the "General Noncrop Areas and Industrial Sites" section apply to railroads.

Bare ground, Ballast and Shoulders, Groves, and Spot treatments

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 60 gallons of spray solution per acre may be used. This product may be tank mixed with the following products for ballast, shoulder, spot, bare ground and crossing treatments:

ARSENAL™
BANVEL
BARCLO™
BARON
BAYGON™
DESERTEC™
DOCK™
ESCORT™
GARLON™
GARLON 3A
GARLON 4
KARIMEX™
KROVAR I DF
KROVAR I DF
KROVAR I DF
PENNIUM™ 3.6 EC
PENNIUM WDG
PLATEAU™
PRINCE™
PRINCE™ LIQUID
PRINCE™ LIQUID
RONSTAR™ E500
SAHARA™
SIMZINE
SURFAM™
TELAR™
VANQUISH™
2,4-D

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**Brush Control**

*This product may be used to control woody brush and trees on railroad rights-of-way. Apply 4 to 10 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 a 3/4 to 2 percent solution of this product when using high-volume spray-to-wet applications. Apply a 5 to 10 percent 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:

<table>
<thead>
<tr>
<th>Product</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSENAL ESCORT</td>
<td>3/4 to 2%</td>
</tr>
<tr>
<td>GARLON 9A</td>
<td>5 to 10%</td>
</tr>
<tr>
<td>TORDON K</td>
<td>1 to 3%</td>
</tr>
</tbody>
</table>

**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 1 to 3 pints 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:*

<table>
<thead>
<tr>
<th>Grass</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahiagrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Blue Stem, silver</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Johnsongrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Grasses</td>
<td>3/4 to 1-1/2 pints</td>
</tr>
</tbody>
</table>

This product may be tank-mixed with Oust, if tank-mixed, use no more than 1 to 3 pints of this product with 1 to 2 ounces of Oust 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 Oust 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:

<table>
<thead>
<tr>
<th>Grass</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahiagrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Black Stem</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Blue Stem, silver</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Bromegrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Dallisgrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Johnsongrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Grasses</td>
<td>3/4 to 1-1/2 pints</td>
</tr>
</tbody>
</table>

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 recommended, since severe injury may occur.

**Roadsides**

All of the instructions in the "GENERAL NONCROP AREAS AND INDUSTRIAL SITES" section 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, hand-held 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 road.

**Spot treatment**

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

**Tank mixtures**

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>BANVEL</td>
<td>OUTFRIDER</td>
</tr>
<tr>
<td>DIURON</td>
<td>PENDULUM 3.3 EC</td>
</tr>
<tr>
<td>ENDURANCE</td>
<td>PENDULUM WDG</td>
</tr>
<tr>
<td>ESCORT</td>
<td>PRINCEP DP</td>
</tr>
<tr>
<td>KRAVAR DF</td>
<td>PRINCEP LIQUID</td>
</tr>
<tr>
<td>OUST</td>
<td>RONSTAR 50 WP</td>
</tr>
</tbody>
</table>

See the "GENERAL NONCROP AREAS AND INDUSTRIAL SITES" section of this label for general instructions for tank mixing.

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**Release of Bermudagrass or Bahiagrass**

**Dormant applications**

*This product may be used to control or partially control many winter annual weeds and fall 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 Oust or Oust for residual control. Tank mixtures of this product with Oust 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 fall fescue, treat when fescue is at or beyond the 4- to 6-leaf stage.*

Apply 8 to 64 fluid ounces of this product in a tank mixture with 3/4 to 1-1/3 ounces Oust herbicide per acre. Read and follow all label directions for Oust herbicide.

Apply 8 to 64 fluid ounces of this product per acre alone or in a tank mixture with 1/4 to 1 ounce per acre of Oust. Apply the recommended 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. To avoid delays in greenup and minimize injury, add no more than 1 ounce of Oust per acre on Bermudagrass and no more than 0.5 ounce of Oust per acre on bahiagrass and avoid treatments when these grasses are in a semi-dormant condition.

**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 1 to 3 pints 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 seed head formation. These rates will also provide partial control of the following perennial species:*

<table>
<thead>
<tr>
<th>Grass</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahiagrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Blue Stem, silver</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Johnsongrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Grasses</td>
<td>3/4 to 1-1/2 pints</td>
</tr>
</tbody>
</table>

This product may be tank mixed with Oust or control or partial control of Johnsongrass and other weeds listed in the Oust label. Use 8 to 30 fluid ounces of this product with 3/4 to 1-1/3 ounces of Oust. 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 Oust. If tank-mixed, use no more than 1 to 2 pints of this product with 1 to 2 ounces of Oust 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 Oust label. Use the higher rates as annual weeds increase in size and approach the flower or seed head stages. These rates will also provide partial control of the following perennial weeds:

<table>
<thead>
<tr>
<th>Grass</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bahiagrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Blue Stem, silver</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Bromegrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Dallisgrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Johnsongrass</td>
<td>1 to 3 pints</td>
</tr>
<tr>
<td>Grasses</td>
<td>3/4 to 1-1/2 pints</td>
</tr>
</tbody>
</table>

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 vegetative growth and seed head inhibition of bahiagrass for approximately 45 days, apply 6 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 seed head emergence.

For suppression up to 120 days, apply 4 fluid ounces of this product per acre, followed by an application of 2 to 4 fluid ounces per acre about 45 days later. Make no more than 2 applications per year.

This product may be used for control or partial control of Johnsongrass and other weeds listed on the Oust label in actively growing bahiagrass. Apply 1/2 to 1 fluid ounces of this product with 3/4 to 1 ounce of Oust per acre. Use the higher rates for control of perennial weeds or annual weeds greater than 6 inches in height. Use only on well-established bahiagrass.

A tank mixture of this product plus Oust may be used. Apply 6 fluid ounces of this product plus 0.25 ounce of Oust per acre 1 to 2 weeks following an initial spring mowing. Make only one application per year.
WEEDSCONTROLLED

Always use the higher rate of this product per acre within the recommended range when weed growth is heavy or dense or weeds are growing in an undisturbed (noncultivated) 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 recommended 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 5 to 10 quarts per acre for enhanced results.

Annual Weeds

Use 1 quart per acre if weeds are less than 6 inches in height or runner length and 1.5 quarts to 4 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 a 0.5 percent solution of this product to weeds less than 6 inches in height or runner length. Apply prior to seed head 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 a 1 to 2 percent solution. Use the higher rate for tough-to-control species or for weeds over 24 inches tall.

WEED SPECIES

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Hand-Held % Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranth, spurren</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Barley</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Barey</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Barnyardgrass</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Blacknightshade</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Bluegrass, annual</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Bluegrasses, burr</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Blasses</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Brome, downy</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Brown, Japanese</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Browncoated prostrate</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Buttercup</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Carina foxtail</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Ceniza</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Chestnut</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Cocksfoot</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Cooperseed</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Cress</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Compsystem</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Creeping grass</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Dwarf dandelion</td>
<td>2-4</td>
<td>1-2</td>
</tr>
</tbody>
</table>

When using field broadcast equipment (aerial applications or boom sprayers using flat fan nozzles) these species will be controlled or partially controlled using 1 pint 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.

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 recommended range.

Ensure thorough coverage when using spray-to-wet treatments using hand-held equipment. When using hand-held equipment for low volume directed spot treatments, apply a 5 to 10 percent solution of this product.

Allow 7 or more days after application before tillage.

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Rate (QT/A)</th>
<th>Hand-Held % Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
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<td>4-6</td>
<td>1-2</td>
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<tr>
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<td>4-6</td>
<td>1-2</td>
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<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Perennial</td>
<td>4-6</td>
<td>1-2</td>
</tr>
</tbody>
</table>

*Partial control
### 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 treatments using hand-held equipment. When using hand-held equipment for low volume directed-spray spot treatments, apply a 5 to 10 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 treatments are made following a frost.

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Broadcast Rate (QT/A)</th>
<th>Hand-Held Spray-to-Wet % Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkali</td>
<td>3-4</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Ash</td>
<td>2-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Aspen, quaking</td>
<td>2-3</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Bearclaw (Beargrass)</td>
<td>3-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Beech</td>
<td>2-5</td>
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</tr>
<tr>
<td>Birch</td>
<td>2</td>
<td>1</td>
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<tr>
<td>Blueberry</td>
<td>3-4</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Blackgum</td>
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<tr>
<td>Bracken</td>
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<tr>
<td>Broom; French, Scotch</td>
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<tr>
<td>Buckwheat; California</td>
<td>2-4</td>
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<tr>
<td>Cascara</td>
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<tr>
<td>Catclaw</td>
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<tr>
<td>Ceanothus</td>
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<tr>
<td>Chamaele</td>
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<tr>
<td>Cherry; bitter; black, pin</td>
<td>2-3</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Coyote brush</td>
<td>3-4</td>
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<tr>
<td>Drawnwood</td>
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<tr>
<td>Dogwood</td>
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<td>1-2</td>
</tr>
<tr>
<td>Elderberry</td>
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<tr>
<td>Elm</td>
<td>2-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Eucalyptus</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Gorse</td>
<td>2-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Hazards</td>
<td>2-4</td>
<td>1-2</td>
</tr>
<tr>
<td>Hawthorn</td>
<td>2-3</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Hazel</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Hickory</td>
<td>2-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Honeyhuckle</td>
<td>3-4</td>
<td>1-1.5</td>
</tr>
<tr>
<td>Hornbarn, American</td>
<td>2-5</td>
<td>1-2</td>
</tr>
<tr>
<td>Kudzu</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Locust, black*</td>
<td>2-4</td>
<td>1-2</td>
</tr>
</tbody>
</table>

For release of the following conifer species:

| Douglas fir | Pseudotsuga menziesii |
| Fir | Abies spp. |
| Hamlock | Tsuga spp. |

*Includes all species except eastern white pine, loblolly pine or slash pine.

Apply 1.5 to 2 quarts of this product per acre except in Washington and Oregon, west of the crest of the Cascade Mountains. For spring treatments west of the crest of the Cascade Mountains, apply 1 quart of this product per acre before conifer bud swell for control of annual weeds. For fall treatments in Washington and Oregon, west of the crest of the Cascade Mountains, apply 1 to 1.5 quarts of this product per acre before any major leaf drop of deciduous species.

For release of western hemlock, apply 1 quart of the product per acre.

### CONIFER RELEASE, CHRISTMAS TREE APPLICATIONS AND FORESTRY SITE PREPARATION—

#### AERIAL APPLICATION

This product may be applied using aerial spray equipment for conifer release treatments. See the "Application Equipment and Techniques" part of the "Mixing, Additives, and Application Techniques" section of this labeling kit for information on how to properly spray this product by air.

DO NOT APPLY THIS PRODUCT BY AIR TO RIGHTS-OF-WAY SITES IN THE STATE OF CALIFORNIA.
For release of the following species:
Lobolly pine
Pinus taeda
Eastern white pine
Pinus strobus

Slash pine
Pinuselli

Late season application – Apply 1.5 to 2 quarts of this product in a minimum of 6 gallons of spray solution per acre during early autumn. Applications made prior to September 1 or when conditions are conducive to rapid growth of carriers will create the potential for increased injury in the form of tip and/or needle burn. Injury may decrease with later applications. Some autumn colors are acceptable at time of application. Apply prior to frost or fall drop of understory plants. Applications made according to label directions will release lobolly pine, eastern white pine and slash pine by reducing competition from the following species:

Ash
Fraxinus spp.
Cherry:
Black
Prunus serotina
Pin
Prunus pennsylvanica
Elm
Ulmus spp.
Hawthorn
Crataegus spp.
Locust, black
Robinia pseudoacacia
Maple, Red
Acer rubrum
Sources of
Oxydendrum arboreum
Sumac:
Poison
Rhus glabra

Oak
Quercus velutina
Post
Quercus stellata
Southern Red
Quercus falcata
White
Quercus alba
Persimmon
Diospyros spp.
Poplar, yellow
Liriodendron tulipfera
Sassafras
Sassafras albidum
Sumac
Winged
Rhus copallina
Sweetgum
Liquidambar styraciflua

Apply only to those sites where woody brush and trees listed in this label constitute the majority of the undesirable species.

Alecto 41HL plus OUST Mixtures for Conifer Release from Herbaceous Weeds

To release lobolly pines from herbaceous weeds, tank mixtures of this product with Oust will provide control of annual weeds listed in the “WEEDS CONTROLLED” section of this and the Oust label, and partially controlled the perennial weeds listed below.

Apply 16 to 24 fluid ounces of this product with 2 to 4 ounces of Oust in 10 to 30 gallons of spray solution per acre. Make application to actively growing weeds as a broadcast spray over the top of the young lobolly pines.

This product plus Oust tank mixtures may not be applied by air in California.

This tank mixture may be applied using aerial equipment. When applying by air, use the recommended rate in 5 to 15 gallons of spray solution per acre.

For control of annual weeds below 12 inches in height (or runner length on annual vines), use the lower rates of both products. Use the higher rates of both products when annual weeds are in more advanced stages of growth and approaching flower or seed formation.

Use the higher rates of both products for partial control of the following perennial weeds. Use the lower rates for suppression of growth.

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Bahiagrass
Paspalum notatum
Broomsedge
Andropogon virginicus
Dock, curly
Rumex crispus
Dogfennel
Esperata capillifolia
Fescue, tall
Festuca arundinacea
* Control at the higher rate
** Suppression at higher rate only
Johnsongrass*
Sorghum halepense
Pooreye*
Diodia teres
Trumpet creeper**
Campsis radicans
Vaseygrass
Paspalum uvalde
Vervain, blue
Verbena hastata

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TANK MIXTURES: Tank mixtures of this product may be used to increase the spectrum of vegetation controlled. When tank mixing, read and carefully observe the label claims, cautionary statements and all information on the labels of all products used. Use according to the most restrictive precautionary statements for each product in the 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 recommended rate of this product may be used in a tank mix with the following products for forestry site preparation:

<table>
<thead>
<tr>
<th>Product</th>
<th>Broadcast Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenal Applicators Concentrate</td>
<td>2 to 16 fluid ounces per acre</td>
</tr>
<tr>
<td>Escort™</td>
<td>0.5 to 3.5 ounces per acre</td>
</tr>
<tr>
<td>Chopper™</td>
<td>4 to 30 fluid ounces per acre</td>
</tr>
<tr>
<td>Garlon 4</td>
<td>1 to 4 quarts per acre</td>
</tr>
<tr>
<td>Dust™</td>
<td>1 to 4 ounces per acre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Spray-To-Wet Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenal Applicators Concentrate</td>
<td>0.03 to 0.5 percent by volume</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Low Volume Directed Spray Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenal Applicators Concentrate</td>
<td>0.1 to 0.5 percent by volume</td>
</tr>
</tbody>
</table>

For control of the herbaceous weeds, use the lower recommended tank mixture rates. For control of dense stands or tough-to-control woody brush and trees, use the higher recommended rates.

LIMIT OF WARRANTY AND LIABILITY

Ritter Chemical LLC warrants that this product conforms to the chemical description on the label and is reasonably fit to the purpose set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

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

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

For over-the-top uses on Roundup Ready crop varieties crop safety and weed control performance are not warranted by Ritter Chemical LLC when this product is used in conjunction with "brown big" or "big run" seed saved from previous year's production and replanted.

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