# MEYCHEM™ 41%

## Glyphosate HERBICIDE

**Complete Directions for Use**

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.

**Herbicide for Roundup Ready Crops.**

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

Not all products referenced 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" (DISCLAIMER) statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MEY CORPORATION DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

### 1.0 INGREDIENTS

| | |
|---|---|
| ACTIVE INGREDIENT: *Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt | 41.0% |
| OTHER INGREDIENTS | 59.0% |
| | 100.0% |

*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 356 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 TOLL-FREE, (877-601-7670)
2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL, DAY OR NIGHT, (800-262-8200).

EPA Reg. No. 80967-1
EPA Est. No.

Net Contents:

**Manufactured for:**
MEY CORPORATION
121 S. Estes Drive, Suite 101
Chapel Hill, NC 27514

## 3.0 PRECAUTIONARY STATEMENTS

### 3.1 Hazards to Humans and Domestic Animals

**CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear: long-sleeved shirt and long pants, socks, shoes, and waterproof 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, or going for treatment. This product is identified as **MEYCHEM 41% Glyphosate Herbicide, EPA Registration No. 80967-1**. You may also contact (1-800-262-8200) day or night, for emergency medical treatment information.

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, shoes plus socks and waterproof 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 Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing 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 intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

### 3.3 Physical or Chemical Hazards

Spray solutions of this product must 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 UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published MEY Corporation 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 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE) and restrict 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, waterproof gloves and shoes plus socks.

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Keep people and pets off treated areas until spray solution has dried to prevent transfer of this product onto desirable vegetation.

## 4.0 Storage and Disposal

**Storage and Disposal**

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

**Pesticides Storage:** Keep container closed to prevent spills and contamination.

**Pesticide Disposal:** Wastes of this product may be dangerous. Improper disposal of excess pesticide or rinse is a violation of Federal Law. If these wastes cannot be disposed of according to the label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. *For product containers equal to or less than 5 gallons* Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container with 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. *For product containers greater than 5 gallons* Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 5.0 INFORMATION

**(How this product works)**

**Product description:** This product is a post emergent, 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. Apply through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

No additional surfactant in the spray solution is needed. This includes additives containing surfactants, buffering agents or pH adjusting agents when this product is the only pesticide used unless otherwise directed.

Ammonium sulfate, drift control additives, or dyes and colorants may be used. See the 'MIXING" section of this label for instructions.

**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 visual 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 more 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 listed for specific weeds.

Always use the higher rate of this product per acre within the listed 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.

**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 listed stage for treatment.

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

**Spray Coverage:** For best results, spray coverage must be uniform and complete. Do not spray weed foliage to the point of runoff.

**Mode of Action:** The active ingredient in this product inhibits an enzyme found only in plants and microorganisms that is essential to formation of specific amino acids. **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 root stocks of perennials will not be affected by the herbicide and will continue to grow.

**Biological Degradation:** Degradation of this product is primarily a biological process carried out by soil microbes.

**Tank Mixing:** 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.

To the extent consistent with applicable law, 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 listed in this labeling. Mixing this product with herbicides or other materials not listed on this label may result in reduced performance.

**Annual Maximum Use Rate:** Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 8 quarts of this product per acre per year. For applications in non-crop sites or in tree, vine, or shrub crops, the combined total of all treatments must not exceed 10.6 quarts of this product per acre per year. The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

**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.

## 6.0 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.

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

### 6.2 Tank Mixing Procedure

Mix labeled tank mixtures of this product with water as follows:

1. Place a 20- to 35- mesh screen or wetting basket over filling port.
2. Through the screen, fill the spray tank one-half full with water and start agitation.
3. If ammonium sulfate is used add it slowly through the screen into the tank. Continue agitation. Ensure that dry ammonium sulfate is completely dissolved in the spray tank before adding other products.
4. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
6. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
7. Continue filling the spray tank with water and add the required amount of this product near the end of the filling process.
8. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive and water soluble liquid (and surfactant).

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

Keep by-pass line on or near the bottom of the tank to minimize foaming. Screen size in nozzle or line strainers must be no finer than 50 mesh. Always predetermine the compatibility of labeled tank mixtures of this product with water carrier by mixing small proportional quantities in advance. Refer to the "Tank Mixing" section of "INFORMATION" for additional precautions.

## 6.3 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:

**Spray Solution**

| Desired Amount of MEYCHEM 41% Glyphosate Herbicide | | | | | | |
|---|---|---|---|---|---|---|
| Volume | 1/2% | 1% | 1-1/2% | 2% | 5% | 10% |
| 1 gal | 2/3 oz | 1-1/3 oz | 2 oz | 2-2/3 oz | 6-1/2 oz | 13 oz |
| 25 gal | 1 pt | 1 qt | 1-1/2 qt | 2 qt | 5 qt | 10 qt |
| 100 gal | 2 qt | 1 gal | 1-1/2 gal | 2 gal | 5 gal | 10 gal |
| 2 tablespoons = 1 fluid ounce | | | | | | |

For use in knapsack sprayers, mix the specified amount of this product with water in a larger container. Fill sprayer with the mixed solution.

## 6.4 Ammonium Sulfate

The addition of 1 to 2 percent dry ammonium sulfate by weight or 8.5 to 17 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 herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

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

## 6.5 Colorants or Dyes

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

## 6.6 Drift Control Additives

Drift control additives may be used with all equipment types, except wiper applicators, sponge bars and 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.

## 6.7 Surfactant

Additional surfactant can be added to achieve desired levels maximum effectiveness.

## 7.0 APPLICATION EQUIPMENT AND TECHNIQUES

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

Do not apply when winds are gusty or under any other condition that favors drift.

Apply this product with the following application equipment:

**Aerial** – Fixed Wing and Helicopter

**Ground Broadcast Spray** – Boom or boomless systems, pull-type sprayer, floaters, pick-up sprayers, spray coupes 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.

*This 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.

**Controlled Droplet Applicator (CDA)** – Hand-held or boom-mounted applicators which produce a spray consisting of a narrow range of droplet sizes. APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

## 7.1 Aerial Equipment

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

Use the specified 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 area sections of this label for specific volumes, application rates, and further instructions. This product plus dicamba tank mixtures must not be applied by air in California. Ensure uniform application – to avoid streaked, uneven or overlapped application, use appropriate marking 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.

- The distance of the outermost nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
- Nozzles must always point backward, parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they must be observed.

**Importance of Droplet Size**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see 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.
- **Pressure:** Use the lower spray pressures specified for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher-flow-rate nozzles instead of increasing pressure.
- **Number of nozzles:** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle orientation:** Orienting nozzles so that the spray is released backwards, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **Nozzle type:** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
- **Boom length:** For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application height:** Applications must not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces 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 applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance must 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 must 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 must be familiar with local wind patterns and how they affect drift.

**Temperature and Humidity**

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

**Temperature Inversions**

Applications must not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to 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 layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**Sensitive Areas**

The product must 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).

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-38413, may prevent corrosion.

**FOR AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY**

See "INFORMATION", "MIXING", "APPLICATION EQUIPMENT AND TECHNIQUES" and "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 instructions 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

**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 MEYCHEM 41% Glyphosate Herbicide. 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 MEYCHEM 41% Glyphosate Herbicide 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, critiqued in flight, and certified at a Fresno County Agricultural Commissioner approved fly-in. Test and calibrate spay equipment at intervals sufficient to insure that proper rates of herbicides and adjuvants are being applied during commercial use. Applicator must document such calibrations and testing. Demonstration of performance at Fresno County Agricultural Commissioner approved fly-in constitutes such documentation, or 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. 1-888-257-1285).

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. 1-888-257-1285).

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, Yazoo and Warren.

**Zone II:** North of Highway 8 in the counties of Bolivar, Sunflower, Leflore, and Grenada plus the entire counties of Tallahatchie, Tate, Quitman, Coahoma, Tunica, Panola and Desoto.

## FOR AERIAL APPLICATION IN ARKANSAS ONLY

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.

See "Information" and "Mixing" sections of the label booklet for essential product performance information.

**USE DIRECTIONS**

Avoid drift. Do not apply into still air where there is a temperature inversion layer low enough for fine spray particles to become suspended and move outside the target area when the inversion layer moves. Do not apply when winds are gusty or under any other condition that favors drift. Drift is likely to cause damage to any vegetation contacted.

To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

Use the specified rate of this product in 3 to 15 gallons of water per acre.

Use sufficient carrier volume and appropriate equipment set-up to form droplets large enough to avoid drift potential. Use coarse droplets in the 300 to 500 (VMD) micron range.

Applications must typically be made with the nozzle release point at 8 to 15 feet above the top of the target plants unless a greater height is required for aircraft safety. The distance of the outermost nozzles on the boom must not exceed 75% of the length of the wingspan or rotor. In many cases, reducing this distance to 65% of the length of the wingspan or rotor will improve drift control without affecting the swath width.

Nozzles must always discharge backward parallel with the air stream and never discharge downwards more than 45 degrees on fixed wing aircraft or forward of the prevailing air flow on rotary winged aircraft. Avoid the use of nozzles with wide angle discharge.

Do not apply this product when winds are in excess of 10 miles per hour.

Do not apply when there is a low level inversion where fine spray particles could be suspended in still air and move outside the target area when the inversion layer moves.

These conditions may occur when wind speeds are less than 2 mph.

Use the following guidelines when applications are made near crops or other desirable vegetation:

1. Do not apply within 100 feet of any desirable vegetation or crops.
2. If wind up to 5 miles per hour is blowing toward desirable vegetation or crops, do not apply within 500 feet upwind of the desirable vegetation or crops.
3. Winds blowing from 5 to 10 miles per hour toward desirable vegetation or crops will likely require buffer zones in excess of 500 feet.

### 7.2 Ground Broadcast Equipment

Use the specified 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 must be increased within the listed 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 must be uniform and complete. Do not spray to the point of runoff. Use coarse sprays only. For specified 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 applicators, hood sprayers, wiper applicators or sponge bars, after dilution and thorough mixing with water, to listed weeds growing in any non-crop site specified on this label.

In cropping systems, hooded sprayers, shielded sprayers, and wipers may be used in row middles (in between rows of crop plants) where any dripping or leaking will not contact crop foliage. Such equipment must be capable of preventing all crop contact with herbicide solutions and operated without leakage of spray mists or dripping onto crop. Wipers over the-top of crops may be used only when specifically instructed in this product's labeling.

AVOID CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION.

Contact of the herbicide solution with desirable vegetation may result in damage or destruction. Applicators used above desirable vegetation must 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 setting on desirable vegetation may result in discoloration, stunting or destruction.

Applications made above the crops must be made when the weeds are a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations or when 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 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.

**Shielded and Hooded Applicators**

When applied under the conditions described in the following paragraphs for shielded and hooded applications, this product at specified rates will control those weeds listed in the "ANNUAL WEEDS RATE TABLE" and "PERENNIAL WEEDS RATE TABLE" sections of this label. A hooded sprayer is a type of shielded applicator where the spray patter is fully enclosed including top, sides, front and back, thereby shielding the crop from the spray solution. Keep shields on these sprayers adjusted to protect desirable vegetation. 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 flaps of the hoods to reach the ground in deep furrows.

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

This equipment must be set up and operated in a manner that avoids bouncing or raising the hoods off the ground in any way. If the hoods 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 there the spray hoods might be raised off the ground. Use hoods designed to minimize excessive dripping or run-off down the insides of the hoods. Use a single, low pressure/low drift flat-fan nozzle with an 80 to 95 degree spray angle positioned at the top center of the hood. Spray volume must be 20 to 30 gallons per acre.

These procedures will reduce the potential for crop injury:

- The spray hoods must be operated on the ground or skimming across the ground.
- Leave at least an 8-inch untreated strip over the drill row. For example, if the crop row width is 38 inches, the maximum width of the spray hood must be 30 inches.
- Maximum tractor speed: 5 miles per hour to avoid bouncing of the spray hoods.
- Maximum wind speed: 10 miles per hour.
- Use low-drift nozzles that provide uniform coverage within the treated area.

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, 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 rye, shattercane, sicklepod, spanishneedles and bristly starbur; and SUPPRESSES many weeds including Florida beggarweed, Bermudagrass, hemp dogbane, dogfennel, guineagrass, johnsongrass, milkweed, silverleaf nightshade, redroot pigweed, giant ragweed, smutgrass, sunflower, Canada thistle, musk thristle, vaseygrass, velvetleaf. Wiper applicators are devices that physically wipe appropriate amounts of this product directly onto the weed. Equipment must be designed, maintained and operated to prevent this herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds no greater than 5 miles per hour. Performance 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.

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

Do not use wiper equipment when weeds are wet.

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

Do not add surfactant to the herbicide solution.

**For Rope or Sponge Wick Applicators** – Mix 1 gallon 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 concentration of other products when using injection systems.

## 7.6 CDA Equipment

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

For the control of annual weeds with hand-held CDA units, apply a 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 quart per acre). 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 DIRECTIONS THAT APPLY TO ALL LISTED CROPS WITHIN SECTION 8 GROUPED ALPHABETICALLY BELOW. 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 MEY Corporation Supplemental Labeling for instructions for treating Roundup 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.

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, weed control applications may be made according to the rates listed in the "ANNUAL WEEDS", "PERENNIAL WEEDS", AND "WOODY BRUSH AND TREES RATE TABLES" in this label. Repeat applications may be made up to a maximum of 8 quarts 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 tall weeds. 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 mists 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's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

PRECAUTIONS: 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 crop emergence to avoid severe crop injury. Broadcast 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. 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.

RESTRICTIONS: Preharvest Interval (PHI): 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-labeled 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. Preharvest Interval (PHI): For broadcast postemergent treatments, do not harvest or feed treated vegetation for 8 weeks following application, unless otherwise specified.

### 8.1 Cereal and Grain Crops

LABELED CROPS: Barley, Buckwheat, Millet (pearl, proso), Oats, Rice, Rye Quinoa, Teff, Teosinte, Triticale, Wheat (all types), Wild Rice.

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), Preharvest (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: Avoid spraying during low humidity conditions, as reduced control may result.

RESTRICTIONS: Do not treat rice fields or levees when the fields contain floodwater. Do not re-flood treated fields for 8 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.

PRECAUTIONS: 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.

RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested.

**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 rye or cereal rye, apply after the weeds have headed and achieved maximum growth, and when the rye is at least 6 inches above the wheat crop.

RESTRICTIONS: Preharvest Interval (PHI): Allow at least 35 days between application and harvest. Do not use roller applicators.

**Preharvest (Feed Barley and Wheat only)**

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.

RESTRICTIONS: Do not apply more than 1 quart of this product per acre. Preharvest Interval (PHI): Allow 7 days between application and harvest or grazing. Do not apply pre-harvest to 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 2,4D or dicamba may be used.

RESTRICTIONS: For any crop not listed on this label, applications must be made at least 30 days prior to planting the next crop. Preharvest Interval (PHI): 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, Silage Corn, Sweet Corn and Popcorn. For Roundup Ready Corn, see the Roundup Ready crops section of this label.

**Preplant, Preemergence, At-Planting, Preharvest.**

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

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

| | |
|---|---|
| 2,4-D | Frontier®/Outlook® |
| Aim® | Fultime® |
| Atrazine | Guardsman® /Leadoff® |
| Axiom® | Harness® |
| Balance® | Harness Xtra |
| Banvel® /Clarity® | Harness Xtra 5.6L |
| Bicep MAGNUM® | Lariat® |
| Bicep II MAGNUM® | Lasso® /Alachior |
| Bullet® | Linex® /Lorox® |
| Degree® | Marksman® |
| Degree Xtra® | Micro-Tech® |
| Distinct® | Prowl® |
| Dual MAGNUM® | Python® |
| Dual II MAGNUM® | Simazine |
| Epic® | TopNotch® |

For difficult-to-control annual weeds including fall panicum, bamyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 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. When using nitrogen solutions as the carrier, use rate may need to be increased for acceptable weed control.

RESTRICTIONS: Applications of 2, 4-D or diacamba must be made at least 7 days prior to planting corn.

For Southern states, do not apply in nitrogen solutions to tough-to-control grasses including bamyardgrass, fall panicum, broadleaf signalgrass, annual ryegrass and any perennial weeds. The area covered by this instruction includes from Route 50 South in Illinois and Indiana and 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 instruction for the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Corn must be at least 12 inches tall, measured without extending leaves. 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.
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: 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 applications, apply up to 3 quarts of this product per acre. For aerial applications, apply up to 2 quarts of this product per acre.
RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Do not apply preharvest to 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.
RESTRICTIONS: Preharvest Interval (PHI): 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. For Roundup Ready cotton, including Roundup Ready Flex Cotton, see the "ROUNDUP READY CROPS" section of this label.

**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: 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.
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 target area for the same reason.
**Preharvest**
USE INSTRUCTIONS: This product provides 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 bolls have developed to produce the directed yield of cotton. Applications made prior to this time could affect maximum yield potential.
TANK MIXTURES: This product may be tank mixed with DEF® 6, Folex®, Ginstar®, or Prep® to provide additional enhancement of cotton leaf drop.
RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between application and harvest of cotton. Do not apply preharvest 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.

## 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.
TYPES OF APPLICATIONS: Chemical Fallow, Preplant Fallow Beds, Aid to-Tillage.
**Chemical Fallow**
USE INSTRUCTIONS: This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. This product may be used as a substitute for tillage to control annual weeds in fallow fields. Also, broadcast or spot treatments will control or suppress many perennial weeds in fallow fields. Ground or aerial application equipment may be used. Tank mixtures with 2, 4-D and dicamba may be used. Applications up to 2 quarts per acre may be made by aerial application in fallow sites where there is sufficient buffer to prevent injury due to drift onto adjacent crops.
RESTRICTIONS: For any crop not listed on this label, applications must be made at least 30 days prior to planting. Do not apply dicamba tank mixtures by air in California. 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 is applied within 45 days of planting.

**Preplant Fallow Beds**

USE INSTRUCTIONS: This product may be applied to fallow beds prior to planting or emergence of any crop listed on this label. For any crop not listed on this label, applications must be at least 30 days prior to planting. This product will control weeds listed in the "ANNUAL WEEDS", "PERENNIAL WEEDS", and "WOODY BRUSH AND TREES RATE TABLES" sections of this label.

TANK MIXTURES: In addition, 12 fluid ounces of this product plus 2 to 3 fluid ounces of Goal® 2XL per acre will control the following weeds with the maximum height or length indicated: 3 inches-common cheeseweed, chickweed, groundsel; 6 inches-London rocket, shepherd's-purse.

16 fluid ounces of this product plus 2 to 3 fluid ounces of Goal® 2XL per acre will control the following weeds with the maximum height or length indicated: 6 inches- common cheeseweed, groundsel, marestail (*Conyza canadensis*). 12 inches-chickweed, London rocket, shepherd's-purse.

**Aid-to-Tillage**

USE INSTRUCTIONS: This product may be used in conjunction with tillage practices in fallow systems or preplant to labeled crops to control downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 12 fluid ounces of this product in 3 to 10 gallons of water per acre. Make applications before weeds are 6 inches in height. Application must be followed by conventional tillage practices no later than 15 days after treatment and before regrowth occurs. Allow at least 1 day after application before tillage.

PRECAUTIONS: Tank mixtures with residual herbicides may result in reduced performance.

## 8.5 Grain Sorghum (Milo)

TYPES OF APPLICATONS: 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-mixture 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.

| | |
|---|---|
| Altrazine | Lariat |
| Bicep II MAGNUM | Lasso |
| Bullet | Micro-Tech |
| Dual II MAGNUM | |

For difficult-to-control annual weeds including fall panicum, bamyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 2 pints per acre in the 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. 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 "Selective Equipment" section of this label.

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 roller applicators. Do not feed or graze treated milo fodder. Do not ensile 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 pattern may be used. See additional instruction 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, stunting or destruction.

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 graze or feed milo forage or fodder following applications of this product through hooded sprayers. 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.

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. Preharvest Interval (PHI): Allow a minimum of 7 days between application and harvest of sorghum. Do not apply preharvest to 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 2,4D or dicamba may be used. 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 1.5 pints of this product per acre for suppression.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

## 8.6 Herbs and Spices

LABELED CROPS: Allspice, Angelica, Star anise, Annatto (seed), Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Black caraway, Cardamon, Cassia bark, Cassia buds, Catnip, Celery seed, Chervil (dried), Chive, Chinese chive, Cinnamon, Clary, Clove buds, Coriander leaf (cilantro or Chinese parsley), Coriander seed (cilantro), Costmary, Culantro (leaf), Culantro (seed), Cumin, Curry (leaf), Dill (dillweed), Dill (seed), Epazote, Fennel seed (common and Florence), Fenugreek, White ginger flower, Grins of paradise, Horehound, Hyssop, Juniper berry, Lavendar, Lemongrass, Lovage (leaf and seed), Mace, Marigold, marjoram (including oregano), Mexican oregano, Mioga flower, Mustard (seed), nasturtium, Nutmeg, Parsley (dried), Pennyroyal, Pepper (black and white), pepper leaves, Peppermint, Perilla, Poppy (seed), Rosemary, Rue, Saffron, Sage, Savory (summer and winter), Spearmint, Stevia leaves, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff, Wormwood.

TYPES OF APPLICATIONS: Those listed in Section 8.0 plus the following: Over-the-Top Wiper Applications (Peppermint and Spearmint only), Spot Treatments (Peppermint and Spearmint only.

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 crop injury, from the plastic prior to planting. Residues 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, 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 spearmint and peppermint. Apply spot treatments on a spray-to-wet basis with hand-held equipment, including backpack and knapsack sprayers, pump-up pressure sprayers, hand-guns, hand-wands or any other hand-held or motorized spray equipment used to direct the spray solution to a limited area. In wiper applications, the applicator must be adjusted so that the wiper contact point is at least 2 inches above the crop. Weeds must be a minimum of 6 inches taller than the crop.

RESTRICTIONS: Allow at least 7 days between application and harvest. Further applications may be made in the same area at 30-day intervals. In spot treatment applications, no more than 10 percent of the total field area to be harvested must 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 destruction.

## 8.7 Oil Seed Crops

LABELED CROPS: Borage, Buffalo gourd (seed), Canola Crambe, Flax, Jojoba, Lesquerella, Meadowfoam, Mustard (seed), Rape, Safflower, Sesame, Sunflower. For Roundup Ready canola, see the "ROUNDUP READY CROPS" section of this label.

TYPES OF APPLICATIONS: Those listed in Section 8.0.

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 applicators or hooded sprayers may be used between the rows once the crop is established.

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

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 preemergent 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 8.0 plus the following Spot Treatment, Preharvest, Selective Equipment. For Roundup 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.

| | |
|---|---|
| Aim | Gauntlet® |
| Amplify® | Lasso |
| Assure® II | Linex |
| Authority® | Lorox/Linuron |
| Boundary® | Lorox Plus® |
| Canopy® | Micro-Tech |
| Canopy XL® | Prowl |
| Command® | Pursuit® |
| Command Xtra® | Pursuit Plus® |
| Domain® | Reflex® |
| Dual MAGNUM | Scepter® |
| Dual II MAGNUM | Sencor/Lexone® |
| Firstrate® | Squadron® |
| Flexstar™ | Steel® |
| Frontier/Outlook | Valor® |
| Fusion® | |

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.

For difficult-to-control annual weeds including fall panicum, bamyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 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, apply this product prior to initial pod set in soybeans.

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 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", "PERENNIAL WEEDS" and "WOODY BRUSH AND TREES RATE TABLES". This product may be applied using either aerial or ground spray equipment. Apply after pods have set and lost all green color. Care must be taken to avoid excessive seed shatter loss due to ground application equipment.

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. Pre-harvest Interval (PHI): 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.) Do not apply pre-harvest to soybeans grown for seed, as a reduction in germination or vigor mayoccur.

**Selective Equipment**

USE INSTRUCTIONS: This product may be applied through recirculating sprayers, shielded applicators, hooded sprayers, wiper applicators or sponge bars in soybeans. Pre-harvest Interval (PHI): Allow at least 7 days between application and harvest.

PRECAUTIONS: 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.

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 must have at least 7 new leaves.

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.

**Fallow 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 ratoon cane. For removal of last stubble of ratoon cane, apply 4 to 5 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 new leaves. Allow 7 or more days after application before tillage. Ground or aerial application equipment may be used. Applications up to 3 quarts per acre may be made by aerial application in fallow sites where there is sufficient buffer to prevent injury due to drift onto adjacent crops. Tank mixtures with 2, 4-D and dicamba may be used.

**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.

RESTRICTIONS: Do not allow treated weeds to come into contact with the crop. Droplets, mist, foam or splatter of the herbicide solution setting 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 DIRECTIONS THAT APPLY TO ALL LISTED VEGETABLE CROPS WITHIN SECTIN 8.10 GROUPED ALPHABETICALLY BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATIONS: Chemical Fallow, Preplant Fallow 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 (Nonbearing Ginseng), Over-the-Top Wiper Applications (Rutabagas only).

PRECAUTIONS: 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 crop injury, from the plastic prior to planting. Residues can be removed by a single 0.5-inch application of water, either by natural rainfall or via a sprinkler system. Care must be taken to insure 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 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 sprayer, shielded sprayer and wiper applications to row middles must be made prior to vine development otherwise severe injury or destruction may result.

RESTRICTIONS: Preharvest Interval (PHI): 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-labeled crop. See "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information.

### 8.10.1 Brassica Vegetables

LABELED CROPS: Broccoli, Chinese broccoli (gai lon), Broccoli raab (rapini), Brussels sprouts, Cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Cauliflower, Cavalo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens.

### 8.10.2 Bulb Vegetables

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

### 8.10.3 Cucurbit Vegetables and Fruits

LABELED CROPS: Chayote (fruit), Chinese waxground (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible ground (includes hyotan, cucuzza, hechima, Chinese okra), Melons (all), *Momordica* spp (includes balsam apple, balsam pear, bittermelon, Chinese cucumber), Muskmelon (includes cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey ball melon, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon), pumpkin, Summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon.

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

### 8.10.4 Leafy Vegetables

LABELED CROPS: Amaranth (Chinese spinach) Arugula (roquette), Beet greens, Cardoon, Celery, Chinese celery, Celtuce, Chaya, Chervil, Edible-leaved chrysanthemum, Garland chrysanthemum, Corn salad, Cress (garden and upland), Dandelion, Dock (sorrel), Dokudami, Endive (escarole), Florence fennel, Gow kee, Lettuce (head and leaf), Orach, Parsley, Purslane(gardenandwinter),Radicchio(redchicory),Rhubarb,Spinach,NewZealandspinach,Vinespinach,Swisschard,Watercress(upland),Waterspinach.

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

LABELED CROPS: Eggplant, Groundcherry (Physalis spp), Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato.
RESTRICTIONS: For Eggplant, Ground cherry, Pepper (all), and Tomatillo, allow at least 3 days between application and planting. For Tomato, do not apply by hooded or shielded sprayer applications in row middles.

### 8.10.6 Legume Vegetables (Succulent or Dried)

LABELED CROPS: Bean (Lupinus: includes grain lupin, sweet lupin, white lupin, and white sweet lupin), Bean (Phaseolus: includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), Bean (Vigna: includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean), Broad bean (fava), Chickpea (garbanzo), Guar, Jackbean, Lablab bean, Lentil, Pea (Pisum: includes dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea), Pigeon pea, Soybean (immature seed), Sword bean.

### 8.10.7 Root and Tuber Vegetables

LABELED CROPS: Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Beet (garden), Burdock, Canna, Carrot, Cassava (bitter and sweet), Celeriac, Chayote (root), Chervil (turnip-rooted), Chicory, Chufa, Dasheen (taro), Galangai, Ginger, Ginseng, Horseradish, Leren, Kava (turnip-rooted), Parsley (turnip-rooted), Parsnip, Potato, Radish, Oriental radish, Rutabaga, Salsify, Black salsify, Spanish salsify, Skirret, Sweet potato, Tanier, Tumeric, Turnip, Wasabi, Yacon, Yam bean, True yam.

**Directed Applications (Non-bearing Ginseng only)**

USE INSTRUCTIONS: This product may be used for weed control in established non-bearing ginseng. Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and high volume wands, lances, and orchard guns or with wiper application equipment.

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

**Over-the-Top Wiper Applications (Rutabagas only)**

USE INSTRUCTIONS: Wiper applicators may be used over-the-top of rutabagas.

RESTRICTIONS: Preharvest Interval (PHI): 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, Sugarbeet. TYPES

OF APPLICATIONS: Those listed in Section 8.0 plus the following: Weed Control, Site Preparation, Spot Treatment (Asparagus).

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

PRECAUTIONS: 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 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 must be made prior to vine development otherwise severe injury or destruction may result. "See "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information.

RESTRICTIONS: Preharvest Interval (PHI): 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-labeled crop.

**Weed Control, Site Preparation**

USE INSTRUCTIONS: This product may be applied for weed control or for site preparation prior to planting or transplanting crops listed in this section.

PRECAUTIONS: 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 crop injury, from the plastic prior to planting. Residues can be removed by a single 0.5-inch application of water, either by natural rainfall or via a sprinkler system. Care must be taken to insure 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.

RESTRICTIONS: Do not apply within a week before the first asparagus spears emerge. Do not feed or graze treated pineapple forage following application.

**Spot Treatment (Asparagus)**

USE INSTRUCTIONS: This product may be applied immediately after cutting, but prior to the emergence of new spears.

RESTRICTIONS: Do not treat more than 10 percent of the total field area to be harvested. Preharvest Interval (PHI): Do not harvest within 5 days of treatment.

**Post-Harvest (Asparagus)**

USE INSTRUCTIONS: This product may be applied after the last harvest and all spears have been removed. If spears are allowed to regrow, delay application until ferns have developed. Delayed treatments must be applied as a direct or shielded spray in order to avoid contact of the spray with ferns, stems or spears.

PRECAUTIONS: Direct contact of the spray with the asparagus may result in serious crop injury. Select and use listed types of spray equipment for postemergence post-harvest applications. A directed spray is any application where the spray pattern is aligned in such a way as to avoid direct contact of the spray with the crop. A shielded spray is any application where a physical barrier is positioned and maintained between the spray and the crop to prevent contact of spray with the crop.

## 9.0 TREE, VINE, AND SHRUB CROPS (Alphabetical)

NOTE: THIS SECTION GIVES DIRECTIONS THAT APPLY TO ALL LISTED TREE, VINE, AND SHRUB CROPS WITHIN SECTION 9 GROUPED ALPHABETICALLY BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATIONS: Preplant (Site Preparation) Broadcast Sprays, Weed Control, Middles (between rows of trees, vines or bushes), Strips (within rows of trees, vines or bushes), Selective Equipment (shielded sprayers, wiper treatments), Directed sprays, Spot Treatments, Perennial Grass Suppression, Cut Stump.

Applications may be made with boom equipment, CDA equipment, shielded sprayers, hand-held and high-volume wands, lances, orchard guns or with wiper applicator equipment, except as directed.

USE INSTRUCTIONS: This product may be applied in middles (between rows of trees or vines), strips (within rows of trees or vines), and for weed control or perennial grass suppression in established tree fruit and nut groves, orchards, berries, and vineyards. It may also be used for site preparation prior to planting or transplanting these crops. Apply 1 pint to 5 quarts per acre according to the "ANNUAL WEEDS" and

"PERENNIAL WEEDS RATE TABLES" sections of this label. Utilize rates at the higher end of the specified rate range when weeds are stressed, growing in dense populations or are greater than 12 inches tall. Repeat applications may be made up to a maximum of 10.6 quarts per acre per year.

The maximum use rates stated throughout the product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

PRECAUTIONS: Extreme care must be exercised to avoid contact of herbicide solution, spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of trees, canes and vines. Avoid applications when recent pruning wounds or other mechanical injury has occurred. Contact of this product with other than matured brown bark can result in serious crop damage or destruction.

RESTRICTIONS: Only shielded or directed sprayers may be used in crops with potential for crop contact, and then only where there is sufficient clearance.

For applications in strips (within rows of trees), only selective equipment (directed sprays, hooded sprayers, shielded applicators, or wipers) must be used to minimize the potential for leakage or drift of herbicide sprays onto crop. For berry crops, hooded or shielded sprayers must be fully enclosed including top, sides, front and back. Only wipers or shielded applicators capable of preventing all contact with crop may be used. See "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional directions and precautions.

Allow a minimum of 3 days between application and transplanting.

**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 tank mixture of this product plus Goal 2XL may be used for annual weeds in middles between rows of citrus crops, tree fruits, tree nuts and vine crops. Use this mixture when weeds are stressed or growing in dense populations. 16 to 32 fluid ounces per acre of this product plus 3 to 12 fluid ounces per acre of Goal 2XL will control annual weeds with a maximum height or diameter of 6 inches, including crabgrass, common groundsel, junglerice, common lambsquarters, redroot pigweed, London rocket, common ryegrass, shepherd's spurse, annual sowthistle, filaree (suppression), horseweed/marestail (*Conyza canadensis*), stinging nettle and common purslane (suppression). 16 to 32 fluid ounces per acre of this product plus 3 to 12 fluid ounces per acre of Goal 2XL will control common cheeseweed (malva) or hairy fleabane (*Conyza bonariensis*) with a maximum height or diameter of 3 inches.

**Strips (in Rows of Trees, Vines or Bushes)**

TANK MIXTURES: This product may be applied in rows of tree or vine crops in tank mixtures with the following products: Devrinol® 50 DF Simazine 4L Direx® 4L Simazine 80W Goal 2XL Sim-Trol® 4L Karmex® DF Solicam® DF Krovar I Surflan® AS Princep Caliber® 90 Surflan 75W Prowl

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 including bahiagrass, Bermudagrass, tall fescue, orchardgrass, Kentucky bluegrass, and quackgrass that are grown 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 peracre. For suppression of Kentucky bluegrass covers, apply 6 fluid ounces of this product per acre. Do not add ammonia 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 3 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 spray 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 application, maintain a minimum of 3 inches in height. Sequential applications may be made with regrowth occurs and Bermudagrass injury and stand reduction can be tolerated. East of the Rocky Mountains, rates of 6 to 10 fluid ounces of this product per acre must be used in shaded conditions or where 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 for site renovation, prior to transplanting tree crops. This product will control regrowth of cut stumps and resprouts of many types of tree species, some of which are listed below.

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

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. Delays in application may result in reduced performance. For best results, applications must be made during periods of active growth and full leaf expansion.

RESTRICTIONS: DO NOT MAKE CUT STUMP APPLICATIONS WHEN THE ROOTS OF ADJACENT DISIRABLE 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 aretreated.

## 9.1 Berry Crops

LABELED CROPS: Blackberry (including bingleberry, black satin berry, boysenberry, Cherokee blackberry, chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, juneberry, lavacaberry, lowberry, lucretiaberry, (marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossbeerry, Shawnee black berry and youngberry), Blueberry, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Salal. TYPES OF APPLCIATIONS: Those listed in Section 9.0 plus Spot Treatment in Cranberry Production and Post-Harvest Treatments in Cranberry Production.

RESTRICTIONS: To avoid damage, herbicide sprays must not be allowed to contact desirable vegetation, including green shots, canes or foliage. Preharvest Interval (PHI): Allow a minimum of 30 days between last application and harvest in cranberries. 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 TECHNIQUES" 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.

RESTRICTIONS: 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 drawdown to ensure application to actively growing weeds. Preharvest Interval (PHI): Allow a minimum of 30 days between last application and harvest of cranberries. 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, wipers, or other appropriate application equipment listed under "APPLICATION EQUIPMENT AND TECHNIQUES" in this label may be used. If using hand-held sprayers, use a 0.5 to 1 percent solution of this product. Spray to wet vegetation, not to run-off. If using hand-held boom sprayers, apply 2 to 4 quarts of this product per acre.

RESTRICTIONS: Make applications only after cranberries have been harvested. Do not treat more than 10 percent of the total bog. Preharvest Interval (PHI): Allow a minimum of 6 months after last application and next 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

LABELED CROPS: Calamondin, Chironja, Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (all), Pummelo, Satsuma mandarin, Tangelo (ugli), Tangor.

TYPES OF APPLICATIONS: Those listed in Section 9.0.

USE INSTRUCTIONS: (The instructions below pertain to applications in Florida and Texas): For burndown or control of the weeds listed below, apply the specified rates of this product in 3 to 30 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre. For goatweed, apply 2 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 8 inches tall and 3 quarts per acre when plants are greater than 8 inches tall. If goatweed is greater than 8 inches tall, the addition of Krovar 1 or Karmex 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

| WEED SPECIES | MEYCHEM 41% GLYPHOSATE HERBICIDE RATE PER ACRE | | | |
|---|---|---|---|---|
| | 1 QT | 2 QT | 3 QT | 5 QT |
| Bermudagrass | B | - | PC | C |
| Guineagrass | | | | |
| Texas and Florida Ridge | B | C | C | C |
| Florida Flatwoods | - | B | C | C |
| Paragrass | B | C | C | C |
| Torpedograss | B | - | PC | C |

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 1 day between last application and harvest in citrus crops. For citron groves, apply as directed sprays only.

## 9.3 Miscellaneous Tree Food Crops

LABELED 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

LABELED CROPS: Pine, Poplar, Eucalyptus, Christmas trees, Other Nonfood 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.

RESTRICTIONS: Care must be exercised to avoid contact of spray, drift or mist with foliage or green 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 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: Precautions must be taken to protect nontarget plants during site preparation applications.

## 9.5 Pome Fruit

LABELED CROPS: Apple, Crabapple, Loquat, Mayhaw, Pear (including oriental pear), Quince.

TYPES OF APPLICATIONS: Those listed in Section 9.0.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 1 day between last application and harvest in pome crops.

## 9.6 Stone Fruit

LABELED CROPS: Apricot, Cherry (sweet, tart), Nectarine, Olive, Peach, Plum/Prune (all types), Plumcot.

TYPES OF APPLICATIONS: Those listed in Section 9.0.

RESTRICTIONS: Preharvest Interval (PHI): 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/prunes growing in Arizona, California, Colorado, Idaho, Kansas, Kentucky, New Jersey, North Dakota, Oklahoma, Oregon, Texas, Utah and Washington, except for peaches 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 2 or more years. EXTREME CARE MUST BE TAKEN TO ENSURE NO PART OF THE PEACH TREE IS CONTACTED.

## 9.7 Tree Nuts

LABELED CROPS: Almond, Beechnut, Betelnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Coconut, Filbert (hazelnut), Hickory nut, Macadamia, Pecan, Pine nut, Pistachio, Walnut (black, English).

TYPES OF APPLICATIONS: Those listed in Section 9.0.

RESTRICTIONS: Preharvest Interval (PHI): 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

LABELED CROPS: Ambarella, Atemoya, Avocado, Banana, Barbados cherry (acerola), Biriba, Blimbe, Breadfruit, Cacao (cocoa) bean, Canistel, Carambola (starfruit), Cherimoya, Coffee, Custard apple, Dates, Durian, Feijoa, Figs, Governor's plum, Guava, Llama, Imbe, Imbu, Jaboticaba, Jackfruit, Longan, Lychee, Mamey apple, Mango, Mangosteen, Marmaladebox (genip), Mountain papaya, Papaya, Pawpaw, Plantain, Persimmon, Pomegranate, Pulasan, Rambutan, Rose apple, Sapodilla, Sapote (black, mamey, white), Spanish lime, Soursop, Star apple, Sugar apple, Surinam cherry, Tamarind, Tea, Ti (roots and leaves), Wax jambu.

TYPES OF APPLICATIONS: Those listed in Section 9.0 plus Bananacide (Banana only).

RESTRICTIONS: Preharvest Interval (PHI): 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 and subtropical tree fruit. Allow a minimum of 28 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 fruit from the plants within the treatment area prior to treatment. Inject 0.04 fluid ounce (1 mL) of this 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 must 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 mat shall be mechanically destroyed.

For control of the Banana Bunchy Top Virus, it is critical that the grower follow a strict control program involving monitoring for diseased plants, 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.

RESTRICTIONS: Do not apply more than 0.5 fluid ounce (15 mL) of this product's concentrate per mat (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 injection. Do not allow livestock to consume treated plant materials. Following transplant of new banana plants into treated areas, allow plants to become established for 3 months before applying this product for weed control.

## 9.9 Vine Crops

LABELED CROPS: Grapes (raisin, table, wine), Hops, Kiwi, Passion fruit.

TYPES OF APPLICATIONS: Those listed in Section 9.0.

USE INSTRUCTIONS: Applications must not be made when green shoots, cane 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.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 14 days between last application and harvest in vine crops. Do not use selective equipment in kiwi.

## 10.0 PASTURE GRASSES, FORAGE LEGUMES AND RANGELANDS

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.

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

LABELED CROPS: Alfalfa, Clover, Kenaf, Kudzu, Lespedeza, Leucaena, Lupin, Sainfoin, Trefoil, Velvet bean, Vetch (all types).

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

**Preplant, Preemergence, At-Planting**

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

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 used in declining stands or any stand where severe crop injury or destruction is acceptable. This product will control annual and perennial weeds, including quackgrass, when applied prior to crop harvest. Applications may be made at any time of the year. For control of quackgrass, apply in the spring, late summer or fall when quackgrass is actively growing. Treatments for quackgrass must be followed by deep tillage for complete control.

RESTRICTIONS: Make only one application to an existing crop stand per year. Preharvest Interval (PHI): The treated crop and weeds can be harvested and fed to livestock according to the intervals below.

| | Maximum Single Application Rate | Minimum interval between application and harvest grazing |
|---|---|---|
| Alfalfa | 2 quarts per acre | 36 hours |
| All other labeled Legumes above | 3 pints per acre | 3 days |

This application may destroy an alfalfa stand and may severely injure or destroy other labeled crops including clover. Do not apply preharvest on 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 applicators. For wipers, see the "Wiper Applicators" in the "Selective Equipment" section of the product label booklet. Applications may be made in the same area at 30-day intervals.

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 total field area must be treated at one time. Preharvest Interval (PHI): Remove domestic livestock before application and wait 3 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 to be 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 use the higher treatment rates listed in the "PERENNIAL WEEDS RATE TABLE" in the label booklet.

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 reintroduction. 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 recommendations. 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 may be used to suppress competitive growth and seed production of undesirable vegetation in CRP acres. Such applications may be made with wiper application equipment or as a broadcast or spot treatment to dormant CRP grasses. For selective applications with broadcast spray equipment, apply 12 to 16 fluid ounces of the product per acre in early spring before desirable CRP grasses, including crested and tall wheatgrass, break dormancy and initiate green growth. Late fall applications can be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of CRP 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. RESTRICTIONS: Do not apply more than 3 quarts per acre per year onto CRP grasses.

## 10.3 Grass Seed or Sod Production

LABELED CROPS: Any grass (Gramineae family) except Corn, Sorghum, Sugarcane and those listed in this product's label booklet under "Cereal and Grain Crops". TYPES OF APPLICATIONS: Preplant, Premergence, At-Planting, Renovation, Site Preparation, Shielded Sprayers, Wiper Applications Over-the-Top, Spot Treatments, Creating Rows in Annual Ryegrass.

**Preplant, Preemergence, At-Planting, Renovation, Site Preparation**

USE INSTRUCTIONS: This product controls most existing vegetation prior to renovating turf or forage grass seed areas or establishing turf grass grown for sod. Make applications before, during or after planting or for renovation. For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plant parts occurs. Where existing vegetation is growing under mowed turfgrass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the spray. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses, including Bermudagrass, summer or fall applications provide best control. Broadcast equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.

RESTRICTIONS: Do not disturb soil or underground plant parts before treatment. Tillage or renovation techniques including vertical mowing, coring or slicing must be delayed for 7 days after application to allow proper translocation into underground plant parts. If application rates total 3 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. Preharvest Interval (PHI): 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. 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 in 10 to 20 gallons of water per acre to control weeds between grass seed rows. Uniform planting in straight rows aid in shield sprayer applications. Best results are obtained when the grass seed crop is small enough to easily pass by the protective shields. For additional instructions, see "Shielded Applicators" in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this product's label booklet.

PRECAUTIONS: 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: Applicators must be adjusted so that the wiper contact point is at least 2 inches above the desirable vegetation. Weeds must be a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when height of weeds varies so that not all weeds are contacted. In these instances, repeat treatments may be necessary. For additional instructions, see "Wiper Applicators" in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this product's label booklet.

PRECAUTIONS: 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: Apply this product prior to heading of grassing 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 sod 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: Set nozzle heights to allow the establishment of the desired row spacing while preventing spray droplets, spray fines, or drift to contact the ryegrass plants not treated. Use low pressure nozzles or drop nozzles designed to target the application over a narrow band.

To the extent consistent with applicable law, 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, Brome, Fescue, Guineagrass, Kikuyugrass, 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 pasture species listed on this label prior to replanting.

RESTRICTIONS: Preharvest Interval (PHI): 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 at 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: 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.

RESTRICTIONS: 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. Preharvest Interval (PHI): 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 green growth. Late fall applications can be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: 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.

RESTRICTIONS: Do not apply more than 3 quarts per acre per year onto pasture grasses except for renovation uses (see instructions above). Preharvest Interval (PHI): If replanting is needed due to severe stand reduction, applications must be made at least 30 days prior to planting any crop not listed for treatment in this 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 must eliminate most of the viable seeds. Grazing of treated areas must be delayed to encourage growth of desirable perennials. Allowing desirable perennials to flower and reseed in the treated area will 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 jointed goatgrass in rangelands. Apply when most brome plants are in early flower and before the plants, including seedheads, turn color. Allowing for secondary weed flushes to occur in the spring following rain events further depletes the seed reserve and encourages perennial grass conversion on weedy sites. Fall applications are possible where spring moisture is usually limited and fall germination allows for good weed growth.

For medusahead, apply 16 fluid ounces of this product per acre at the 3leaf stage. Delaying applications beyond this stage will result in reduced or unacceptable control. Controlled burning may be useful in eliminating the thatch layer produced by slow decaying culms prior to application. Allow new growth to occur before spraying after a burn. Repeat applications in subsequent years may be necessary to eliminate the seed bank before reestablishing desirable perennial grasses in medusahead-dominated rangelands.

PRECAUTIONS: Slight discoloration of desirable grasses may occur, but they will regreen and regrow under moist soil conditions as effects of this product wear off. No waiting period between treatment and feeding or livestock grazing is required.

RESTRICTIONS: Do not apply more than 3 quarts per acre per year. Do not use ammonium sulfate when spraying rangeland grasses with this product.

## 11.0 ROUNDUP READY® CROPS

The following instructions or those separately published on MEY Corporation Supplemental labeling include all applications which can be made onto the specified Roundup Ready crops during the complete cropping season. DO NOT combine these instructions with other directions made for crop varieties that do not contain the Roundup Ready gene, in the "ANNUAL AND PERENNIAL CROPS (Alphabetical)" section of this label.

THIS PRODUCT IS ONLY 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 patented 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 5,352,605 and 5,633,435. A license to use Roundup Ready® seed must be obtained prior to use.** Monsanto retains ownership of the gene and process technologies, and the Purchaser of the seed receives the right to use the licensed genes and technologies subject to the limited use license conditions. Seed containing the Roundup Ready trait cannot be used for research and demonstration, reverse engineering or in connection with herbicide registration. Property 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 15 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, MEY Corporation instructs 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-ROUNDUP (1-800-768-6387).

**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. Any additional surfactant added to the spray mix must be thoroughly tested and approved for Round-Up Ready® crops.

Tank mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers may result in reduced weed control or crop injury and are NOT for use in over-the-top applications of this product unless otherwise noted in this product label, supplemental labeling or fact sheets published separately by MEY Corporation. Ammonium sulfate may be mixed with this product 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 directions are based on a clean start at planting by using a burndown application or tillage to control existing weeds before crop emergence. In no- till and stale seedbed systems, a preplant burn-down treatment of this product is can control existing weeds prior to crop emergence. Some weeds, including black nightshade, broadleaf signalgrass, sicklepod, Texas panicum, sandbur, annual morningglory, woolly cupgrass, shattercane, wild proso millet, burcucumber, and giant ragweed with multiple germination times or suppressed (stunted) weeds may require a second application of this product for complete control. The second application must be made after some regrowth has occurred and at least 10 days after a previous application of this product.

### 11.1 Alfalfa with the Roundup Ready Gene

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications, Including Preplant during year of establishment | 8 quarts per acre |
| Combined total per acre for in-crop applications For newly established and established stands | 6 quarts per acre |
| Preplant, At-Planting and Preemergence Single applications | 2 quarts per acre |

**Preplant, Preemergence, At-Planting**

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

**Postemergence**
USE INSTRUCTIONS: Applications of this product may be made over the top of Roundup Ready alfalfa (in-crop) from emergence until 5 days prior to cutting. To maximize crop yield and quality potential of forage and hay, application of this product must be made after weeds have emerged but before alfalfa growth or re-growth interferes with spray coverage of the target weeds.

Weeds Controlled: For specific rates of application and instructions, refer to the "ANNUAL and PERENNIAL WEEDS RATE SECTIONS" in this booklet. When applied as directed, this product will control these annual and perennial grasses and broadleaf weeds. In addition to those weeds listed in these sections, this product will suppress or control the parasitic weed Dodder (*Cuscuta* spp) in Roundup Ready alfalfa. Repeat applications may be necessary for complete control.

NEW STAND ESTABLISHMENT (Seeding Year) – Due to the biology and breeding constraints of alfalfa, up to 10 percent of the seedlings may not contain the Roundup Ready gene and will not survive after the first application of this product. To eliminate the undesirable effects of stand gaps created by this loss of plants, a single application of at least 1 quart per acre of this product must be applied at or before the 4-trifoliate growth stage. Refer to the following table for application rates during stand establishment (seeding year).

| **New Stand Establishment (Seeding Year)** | |
|---|---|
| Prior to First Cutting | |
| From emergence up to 4 trifoliate leaves | 1 to 2 quarts per acre |
| From 5 trifoliate leaves up to 5 days before first cutting | Up to 2 quarts per acre |
| After First Cutting | |
| In-crop application, per cutting, up to 5 days before cutting | Up to 2 quarts per acre |

ESTABLISHED STANDS (Non-seeding Year) – For in-crop applications, per cutting, up to 5 days before cutting, apply this product up to 2 quarts per acre.
PRECAUTIONS: See the "ROUNDUP READY CROPS" section of this label for precautionary instructions for use in Roundup Ready crops. Where Roundup Ready alfalfa is grown with a companion or cover crop, or is overseeded with a second species, in-crop (over the top) applications of this product will eliminate the non-Roundup Ready (non-glyphosate tolerant) species.
RESTRICTIONS: Any single in-crop application of this product must not exceed 2 quarts per acre. Sequential applications of this product must be at least 7 days apart. The combined total per year for all in-crop applications in both newly established (seeding year) and established stands (non-seeding year) must not exceed 8 quarts per acre. Remove domestic livestock before application. Wait a minimum of 5 days after last application before grazing or cutting and feeding or forage or hay.

TANK MIXTURES: This product may be tank mixed with the products listed below. Ensure that the specific product used is labeled for alfalfa application.
Newly Seeded Stands and Stand Establishment: For control of emerged annual grasses and broadleaf weeds, this product may be applied at up to 2 quarts per acre in a tank mixture with the following herbicides. Application must be made after weeds have emerged but before the alfalfa growth or regrowth would interfere with spray coverage of the target weeds. The following products that, at the time of this printing, are registered for use on alfalfa: 2,4-DB, bromoxynil, Clethodim, imazamox, Imazethapyr, sethoxydim. Arrow, Buctril, Butoxone, Butyrac, Poast, Pursuit, Raptor, Select, Buctril can only be used in newly seeded stands. Pursuit or Raptor applied to seedling alfalfa may result in temporary reduction in growth. Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury may result.
Dormant Application and Winter Treatment: For control of emerged annual grasses and broadleaf weeds, up to 2 quarts per acre of this product may be applied in tank mixtures with the following herbicides. Apply tank mixtures when the temperature for the day remains above freezing.
Dormant Application: The following products that, at the time of this printing, are registered for use on alfalfa: diuron, hexazinone, imazamox, metribuzin, pronamide, terbacil, Kerb 50-W, Lexone, Raptor, Sencor, Sinbar, Velpar, AlfaMax.
Winter Treatment: The following products that, at the time of this printing, are registered for use on alfalfa:2.4-DB, diuron, hexazinone, Butoxone, Diuron, Velpar, AlfaMax.

Tank mixtures of this product with other herbicides, insecticides, or fungicides may result in crop injury or reduced weed control. Applications must not be made to frozen or snow covered ground. Ensure that the specific product being used is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions of all products in the tank mixture. Refer to individual tank-mix product label for restrictions and precautions; use according to the most restrictive precautionary statements for each product in the tank mixture.

## 11.2 Corn with the Roundup Ready Gene

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| Preplant, Preemergence, At-planting applications | 5 quarts per acre |
| Total in-crop applications from emergence through the V8 stage or 30 inches | 2 quarts per acre |
| Maximum preharvest application rate after maximum kernel fill is complete and the crop is physiologically mature (black layer formation) until 7 days before harvest | 1 quart per acre |

**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 Bullet, Degree, Degree Xtra, harness, Harness Xtra, Harness Xtra 5.6L, Lariat, Lasso 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 more restrictive requirements apply.

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.

NOTE: For maximum weed control, a postemergence (in-crop) application of this product must be applied following the use of less than labeled rates of the preemergence residual products listed above.

**Postemergence (In-Crop)**

USE INSTRUCTIONS: This product may be applied postemergence 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 labeled annual grass and broadleaf weeds in Roundup Ready corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more application of this product. The postemergent application of 24 to 32 fluid ounces per acre of this product must 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 postemergence in-crop application to provide control of emerged weeds listed on this label. If new flushes of weeds occur, a sequential application of this product at 24 to 32 fluid ounces per acre will control the labeled grasses and broadleaf weeds.

TANK MIXTURES: This product may be applied in tank mixture with Bullet, Degree, Degree Xtra, Harness, Harness Xtra, Harness Xtra 5.6L, and Micro-Tech at 50 to 100 percent of labeled rate. This product may be applied in tank mixture with Permit® and atrazine at labeled rates. 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 more restrictive requirements apply.

| Tank-mix Partner | Maximum Height of Corn For Application |
|---|---|
| Degree<br>Degree Xtra<br>Harness<br>Harness Xtra<br>Harness Xtra 5.6 | 11 inches |
| Bullet*<br>Micro-Tech* | 5 inches |
| Permit | 30 inches |
| Atrazine | 12 inches |

*Bullet and Micro-Tech are not registered for use as a postemergence application in Texas.

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.

RESTRICTIONS: See the "ROUNDUP READY CROPS" section of this label for 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. Allow a minimum of 10 days between in-crop applications of this product. Preharvest Interval (PHI): 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).

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between application and harvest.

**Postharvest**

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.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

**Corn 2 with the Roundup Ready Gene**

*THE FOLLOWING INSTRUCTIONS REFER TO ROUNDUP READY CORN 2 AND MUST NOT BE COMBINED WITH INSTRUCTIONS ABOVE FOR ROUNDUP READY CORN NOT DESIGNATED AS "2".*

The use of higher in-crop rates described in this section on other than Roundup Ready Corn 2 may cause crop injury and reduce yields.

TYPES OF APPLICATION: Preplant, At-Planting, Preemergence, Postemergence (in-crop), Spot Treatment, Preharvest, Post-Harvest.

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| Preplant, At-planting, Preemergence applications | 5 quarts per acre |
| Single in-crop application | 1 quart per acre |
| Total in-crop applications from emergence through the 48 inch stage | 3 quarts per acre |
| Maximum preharvest application rate after maximum kernel Fill is complete and the crop is physiologically mature (black Laver formation) until 7 days before harvest | 1 quart per acre |

***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 Bullet, Degree, Degree Xtra, Harness, Harness Xtra, Harness Xtra 5.6L, Lariat, Lasso, Micro-Tech, or Resource at 50 to 100 percent of labeled. 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 more restrictive requirements apply.

NOTE: For maximum weed control, a postemergence (in crop) application of this product must be applied following the use of less than labeled rates of the preemergence residual products listed above.

***Postemergence (in-crop)***

USE INSTRUCTIONS: This product may be applied postemergence to Roundup Ready corn from emergence through the V8 stage (8 leaves with collars) or until corn height reaches 30 inches, whichever comes first. This product may be applied over-the-top broadcast or with drop nozzles. When corn height is 24 to 30 inches (free standing), for optimum spray coverage and weed control, use drop nozzles. For corn heights 30 to 48 inches (free standing), apply this product only using ground application equipment with drop nozzles adjusted to avoid spraying into the whorls of the corn plants.

When applied as directed, this product controls labeled annual grass and broadleaf weeds in Roundup Ready corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more application of this product. The postemergent application of 18 to 24 ounces per acre of this product must 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 postemergence in-crop application to provide control of emerged weeds listed on this label. If new flushes of weeds occur, a sequential application of this product at 18 to 24 ounces per acre will control the labeled grasses and broadleaf weeds.

TANK MIXTURES: This product may be applied to tank mixture with Aim, Bullet, Degree, Degree Xtra, Harness, Harness Xtra, Harness Xtra 5.6L, and Micro-Tech at 50 to 100 percent of labeled rate. This product may be applied in tank mixture with Permit and atrazine at labeled rates. 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 more restrictive requirements apply.

| Tank-mix Partner | Maximum Height of Corn For Application |
|---|---|
| Degree<br>Degree Xtra<br>Harness<br>Harness Xtra<br>Harness Xtra 5.6 | 11 inches |
| Bullet*<br>Micro-Tech* | 5 inches |
| Permit | 30 inches |
| Atrazine | 12 inches |

*Bullet and Micro-Tech are not registered for use as a postemergence application in Texas.

PRECAUTIONS: See the "ROUNDUP READY CROPS" section of this label for precautionary instructions for use in Roundup Ready crops.
RESTRICTIONS: 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 3 pints per acre per growing season. Allow a minimum of 10 days between in-crop applications of this product. Preharvest Interval (PHI): 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).
RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between application and harvest. Do not make a preharvest application of this product if more than a combined total of 64 fluid ounces of this product has been previously applied in over-the-top or drop nozzle applications.

***Post-Harvest***

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

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

## 11.3 Cotton with the Roundup Ready Gene

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| Preplant, Preemergence, At-planting applications | 5 quarts per acre |
| Total in-crop applications from ground cracking to layby | 4 quarts per acre |
| Maximum preharvest application rate | 2 quarts per acre |

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

RESTRICTIONS: The combined total application of this product from cotton emergence until harvest must not exceed 6 quarts per acre. *NO MORE THAN TWO OVER-THE-TOP BROADCAST APPLICATIONS MAY BE MADE FROM CROP EMERGENCE THROUGH THE 4-LEAF (NODE) STAGE OF DEVELOPMENT; NO MORE THAN TWO APPLICATIONS MUST BE MADE FROM THE 5-LEAF STAGE THROUGH LAYBY. SEQUENTIAL IN-CROP OVER-THE-TOP OR POST-DIRECTED APPLICATIONS OF THIS PRODUCT MUST BE AT LEAST 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS: PREHARVEST INTERVAL (PHI): ALLOW A MINIMUM OF 7 DAYS BETWEEN APPLICATION AND HARVEST.*

**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 must 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 treatments 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 MUST BE USED PER GROWING SEASON.

NOTE: For specific rates of application and instructions, refer to the "ANNUAL WEEDS" and "PERENNIAL WEEDS RATE TABLES" in this booklet. PRECAUTIONS:

See the "ROUNDUP READY CROPS" section of this label for precautionary instructions for use in Roundup Ready crops.

**Selective Equipment**

USE INSTRUCTIONS: This product may be applied using precision post directed or hooded sprayers at rates up to 1 quart per acre per application to Roundup Ready cotton through layby. At this stage, post-directed equipment must be used which directs the spray to the base of the cotton plants. Contact of the spray with cotton leaves must 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 while weeds are small (less than 3 inches).

PRECAUTIONS: 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, Folex, Ginstar, or Prep. NOTE: This product will not enhance the performance of these harvest aids when applied to Roundup Ready cotton.

RESTRICTIONS: Preharvest Interval (PHI): 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.**

## Flex Cotton with Roundup Ready Gene

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 INFORMATION and MIXING, ADDITIVES, and APPLICATION INSTRUCTIONS sections for essential product performance information.

SPECIALLY 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 FRUITING 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 post 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 must 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.

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| 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, At-planting, Preemergence applications | 5 quarts per acre |
| Total in-crop applications from ground cracking to 60 percent open bolls | 6 quarts per acre |
| Maximum allowed from 60 percent bolls open to 7 days prior to harvest | 2 quarts per acre |

PRECAUTIONS: See the ROUNDUP READY CROPS section for precautionary instructions for use in Roundup Ready crops.

**Preplant, Preemergence, At-Planting**

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

**Postemergence**

USE INSTRUCTIONS: When applied in accordance with the label (product brand name) will control labeled annual grasses and broadleaf weeds in Roundup Ready Flex cotton. To maximize yield potential, spray cotton early to eliminate competing weed. Many perennial weeds will be controlled or suppressed with one or more applications of this product. Make an initial application of 1 quart per acre on 1 to 3-inch tall annual grass and broadleaf weeds. 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-directed 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.

PRECAUTIONS: In-crop application rates above 32 fluid ounces per acre made alone or with the addition of other crop chemical products containing surfactant may cause a crop response including leaf speckling or leaf necrosis.

RESTRICTIONS: The maximum rate for any single in-crop application of this product is 1.5 quarts per acre made using ground application equipment. Do not exceed a maximum rate of 1 quart per acre of this product when making applications by air. Between layby and 60 percent open bolls, the maximum combined total rate of this product that 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.

**Preharvest**

USE INSTRUCTIONS: This product may be applied for preharvest annual and perennial weed control as a broadcast treatment to Roundup Ready Flex cotton after 60 percent boll crack. Up to 2 quarts of this product may be applied using either aerial or ground spray equipment.

NOTE: This product will not enhance the performance of harvest aids when applied to Roundup Ready Flex cotton.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 7 days between application and harvest of Roundup Ready Flex cotton. Do not apply this product over-the-top beyond first bloom to cotton grown for seed.

## 11.4 Soybeans with the Roundup Ready Gene

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| Preplant, Preemergence, At-planting applications | 5 quarts per acre |
| Total in-crop applications from cracking throughout flowering | 3 quarts per acre |
| Maximum preharvest application rate | 1 quart per acre |

PRECAUTIONS: See the "ROUNDUP READY CROPS" section of this label for 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 specified amount for specific annual weeds. Make an initial application of 1 quart per acre on 2-to 8-inch tall weeds. Weeds will generally be 2 to 8 inches tall, 2 to 5 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 weeds densities exist.

A 1- to 2-quarts per acre rate (single or multiple applications) of this product will control or suppress perennial weeds including Bermudagrass, Canada thistle, common milkweed, field bindweed, hemp dogbane, horsenettle, marestail (horseweed), nutsedge, quackgrass, rhizome johnsongrass, redvine, trumpetcreeper, swamp smartweed and wirestem muhly. For best results, allow perennial weed species to achieve at least 6 inches of growth before spraying with this product.

Under adverse growing conditions including drought, hail, wind damage or a poor soybean stand that slows or delays canopy closure, a sequential application of this 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 giant ragweed, apply 1 quart per acre of this product when the weed is 8 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.

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 soybeans. Up to 1 quart per acre of this product can be applied by aerial or ground application.

PRECAUTIONS: Care must be taken to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Preharvest Interval (PHI): Allow a minimum of 14 days between final application and harvest of soybean grain or feeding of soybean grain, forage or hay. **Post-Harvest**

USE INSTRUCTIONS: This product may be applied after harvest of Roundup Ready soybeans. 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.

## 11.5 Canola with the Roundup Ready® Gene

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

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 indicates the canola contains a patented gene which provides tolerance to this herbicide. Information on Roundup Ready canola may be obtained from your seed supplier.

USE DIRECTIONS

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

**Maximum Allowable Combined Yearly Rates**

| |
|---|
| Preplant and Preemergence applications = 2 quarts/acre |
| Total in-crop application from emergence to 6 leaf = 1 quart/acre |

**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 fan nozzles. Check for even distribution of spray droplets.

**For aerial applications** apply this product in 3 to 15 gallons of water per acre.

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 is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

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. Canola can be very sensitive to many herbicides at extremely low concentrations and care must 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 must not exceed 2 quarts per acre per season.

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 six 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, delaying 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 10 days, but no later than the 6- leaf stage. Sequential applications may be made for early emerging annual weeds and perennial weeds including 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 throughout 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 must not exceed 32 ounces per acre.

**WEED CONTROL DIRECTIONS**

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 mixtures with other herbicides, insecticides, or fungicides may result in reduced weed control or crop injury and are not for use in 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 must be made after some regrowth has occurred and at least 10 days after a previous application of this product.

## 11.6 Sugar Beets with the Roundup Ready Gene

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

| Maximum Allowable Combined Application Quantities Per Season | |
|---|---|
| Combined total per year for all applications | 8 quarts per acre |
| Preplant, Preemergence, At-planting 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: See the "ROUNDUP READY CROPS" section of this label for precautionary instructions for use in Roundup Ready crops.

RESTRICTIONS: The combined total application from crop emergence through harvest must not 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.

Preharvest Interval (PHI): 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: Preharvest Interval (PHI): This product may be applied to postemergent over-the-top to Roundup Ready sugar beets from emergence to 30 days prior to harvest. To maximize yield potential spray sugar beets 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 for specific 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.

## 11.7 Seed Production of Select Crops with the Roundup Ready Gene

**Seed Production of ALFALFA with the Roundup Ready Gene**

NOTE: THIS PRODUCT MAY BE USED FOR CONTROL OF NON-GLYPHOSATE TOLERANT ALFALFA IN PRODUCTION FIELDS OF ALFALFA CONTAINING THE ROUNDUP READY GENE. SEVERE INJURY OR DEATH OF ALFALFA WILL RESULT IF ALFALFA VARIETIES THAT DO NOT CONTAIN THE ROUNDUP READY GENE ARE SPRAYED WITH THIS PRODUCT.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant alfalfa in seed production fields of alfalfa containing the Roundup Ready gene. Apply up to 4 pints of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Subsequent applications of up to 4 pints per acre each may be applied, if needed to control non-glyphosate tolerant alfalfa plants.

DO NOT EXCEED A MAXIMUM RATE OF 8 QUARTS OF THIS PRODUCT PER ACRE PER SEASON.

Application timing – This product can be applied to Roundup Ready alfalfa from emergence to harvest.

Treated alfalfa or the resulting seed may not be used for food or feed. Do not feed or graze treated alfalfa. Do not process treated alfalfa or resulting seed for food or feed.

**Seed Production of LETTUCE with the Roundup Ready Gene**

NOTE: THIS PRODUCT MAY BE USED FOR CONTROL OF NON-GLYPHOSATE TOLERANT LETTUCE IN PRODUCTION FIELDS OF LETTUCE CONTAINING THE ROUNDUP READY GENE. SEVERE INJURY OR DEATH OF LETTUCE WILL RESULT IF LETTUCE VARIETIES THAT DO NOT CONTAIN THE ROUNDUP READY GENE ARE SPRAYED WITH THIS PRODUCT.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant lettuce in seed production fields of lettuce containing the Roundup Ready gene. Apply up to 4 pints of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 4 pints per acre may be applied, if needed to control non-glyphosate tolerant lettuce plants.

DO NOT EXCEED A MAXIMUM RATE OF 4 QUARTS OF THIS PRODUCT PER ACRE PER SEASON.

Application timing – This product can be applied to Roundup Ready lettuce from emergence to harvest.

Treated lettuce may not be used for food or feed. Do not feed or graze treated lettuce. Do not process treated lettuce for food or feed.

**Seed Production of RICE with the Roundup Ready Gene**

NOTE: THIS PRODUCT MAY BE USED FOR CONTROL OF NON-GLYPHOSATE TOLERANT RICE IN PRODUCTION FIELDS OF RICE CONTAINING THE ROUNDUP READY GENE. SEVERE INJURY OR DEATH WILL RESULT IF RICE VARIETIES THAT DO NOT CONTAIN THE ROUNDUP READY GENE ARE SPRAYED WITH THIS PRODUCT.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant rice in seed production fields of rice containing the Roundup Ready gene. Apply up to 4 pints of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 4 pints per acre may be applied, if needed to control non-glyphosate tolerant rice plants.

DO NOT EXCEED A MAXIMUM RATE OF 4 QUARTS OF THIS PRODUCT PER ACRE PER SEASON.

Application timing – This product can be applied to Roundup Ready rice from emergence to harvest.

Treated rice may not be used for food or feed. Do not feed or graze treated rice. Do not process treated rice for food or feed.

**Seed Production of WHEAT with the Roundup Ready Gene**

NOTE: THIS PRODUCT MAY BE USED FOR CONTROL OF NON-GLYPHOSATE TOLERANT WHEAT IN PRODUCTION FIELDS OF WHEAT CONTAINING THE ROUNDUP READY GENE. SEVERE INJURY OR DEATH WILL RESULT IF WHEAT VARIETIES THAT DO NOT CONTAIN THE ROUNDUP READY GENE ARE SPRAYED WITH THIS PRODUCT.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant wheat in seed production fields of wheat containing the Roundup Ready gene. Apply up to 2 pints of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 2 pints per acre may be applied, if needed to control non-glyphosate tolerant wheat plants.

DO NOT EXCEED A MAXIMUM RATE OF 4 PINTS OF THIS PRODUCT PER ACRE PER SEASON.

Application timing – This product can be applied to Roundup Ready wheat from emergence to harvest

Treated wheat may not be used for food or feed. Do not feed or graze treated wheat. Do not process treated wheat for food or feed.

## 12.0 NONCROP USES AROUND THE FARMSTEAD

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

## 12.1 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 ditch banks, 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 specified rates.

| | |
|---|---|
| Arsenal® | Plateau® |
| Banvel/Clarity | Princep® DF |
| Barricade® 65WG | Princep Liquid |
| Duron | Ronstar® 50 WP |
| Endurance® | Sahara® |
| Escort® | Simazine |
| Karmex DF | Surflan |
| Krovar I DF | Telar® |
| Oust® | Vanquish® |
| Pendulum® 3.3EC | 2,4-D |
| Pendulum WDG | |

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

## 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 8 fluid ounces of this product per acre when treating tall fescue, fine fescue, orchardgrass, bahiagrass or quackgrass covers. Use 16 fluid ounces of this product per acre when treating Bermudagrass. Use 64 fluid ounces of this product per acre when treating torpedograss 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.

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

## 12.4 Cut Stumps

Woody vegetation may be controlled by treating freshly cut stumps of trees and resprouts with this product.

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 resprouts 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 resprouts close to the soil surface. Apply a 40 to 100 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 must be made during periods of active growth and full leaf expansion.

| | |
|---|---|
| Alder | Reed, giant |
| Eucalyptus | Saltcedar |
| Madrone | Sweetgum |
| Oak | Tan oak |
| Pepper, Brazilian | Willow |
| Pine, Austrian | |

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. (Injury resulting from root grating can occur in adjacent woody brush or trees of the same or closely related species. Different woody species growing in close proximity do not typically form root grafts.) (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.)

## 12.5 Habitat Management

TYPES OF USES: Habitat Restoration and Maintenance, Wildlife Food Plots.

**Habitat Restoration and Maintenance**

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

**Wildlife Food Plots**

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

## 13.0 ANNUAL WEEDS RATE TABLE (Alphabetically by Species)

**USE WATER CARRIER VOLUMES OF 3 TO 10 GALLONS PER ACRE FOR GROUNDED APPLICATIONS AND 3 TO 5 GALLONS PER ACRE FOR AERIAL APPLICATIONS.**
Apply to actively growing annual weeds. Annual weeds are generally easiest to control when they are small. Older, mature (hardened) annual weeds species may require higher rates even if they meet the size requirements. Do not tank mix with soil residual herbicides when using these rates unless otherwise specified. For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment. This product may be used up to 48 fluid ounces per acre where heavy weed densities exist.

**ANNUAL WEEDS RATE TABLE**

| | RATE (fluid ounces per acre) | | | | |
|---|---|---|---|---|---|
| | 16 | 24 | 32 | 40 | 48 |
| ***Weed Species*** | **Maximum height/length (in inches)** | | | | |
| Ammannia, purple | 3 | 6 | 12 | - | 18 |
| Annoda, Spurred | - | 2 | 3 | 5 | 8 |
| Barley | 18 | 18+ | - | - | - |
| Barnyardgrass | - | 3 | 6 | 7 | 9 |
| Bassia, fivehook | - | - | 6 | - | - |
| Beggarweed, Florida | - | 5 | 8 | - | - |
| Bittercress | 12 | 20 | - | - | - |
| Bluegrass, annual | 10 | - | - | - | - |
| Bluegrass, bulbous | 6 | - | - | - | - |
| Brome, downy[1,2] | 6 | 12 | - | - | - |
| Brome, Japanese | 6 | 12 | 24 | - | - |
| Browntop panicum | 6 | 8 | 12 | - | 24 |
| Buckwheat wild | | 1 | 2 | | |
| Burcucumber | - | 6 | 12 | | 18 |
| Buttercup | 12 | 20 | - | | - |
| Carolina geranium | - | - | 4 | | 9 |
| Carpetweed | | 6 | 12 | - | |
| Cheat[2] | 6 | 20 | - | - | |
| Chervil | 20 | - | - | - | - |
| Chickweed | - | 12 | 18 | - | - |
| Cocklebur | 12 | 18 | 24 | - | 36 |
| Copperleaf, hophornbeam | - | 2 | 4 | - | 6 |
| Copperleaf, Virginia | - | 2 | 4 | - | 6 |
| Coreopsis, plains | - | 6 | 12 | - | 18 |
| Corn, volunteer | 6 | 12 | 20 | - | - |
| Corn speedwell | 12 | - | - | - | - |
| Crabgrass | 3 | 6 | 12 | | - |
| Crowfootgrass | | - | 6 | | 12 |
| Cutleaf evening primrose | | - | 3 | | 6 |

| | RATE (fluid ounces per acre) | | | | |
|---|---|---|---|---|---|
| | 16 | 24 | 32 | 40 | 48 |
| ***Weed Species*** | **Maximum height/length (in inches)** | | | | |
| Devilsclaw (unicorn plant) | - | 3 | 6 | | - |
| Dwarfdandelion | 12 | - | - | | |
| Eastern mannagrass | 8 | 12 | - | | |
| Eclipta | - | 4 | 8 | 12 | - |
| Fall panicum | 4 | - | 6 | - | 12 |
| Falsedandelion | - | 20 | - | - | - |
| Falseflax, smallseed | 12 | - | - | - | - |
| Fiddleneck | - | 6 | 12 | - | - |
| Field pennycress | 8 | 12 | - | - | - |
| Filaree | - | - | 6 | - | 12 |
| Fleabane, annual | 6 | 20 | - | - | - |
| Fleabane, hairy *(Conyza bonariensis)* | - | - | 6 | - | 10 |
| Fleabane, rough | 3 | 6 | 12 | - | - |
| Florida pusley | - | - | 4 | - | 6 |
| Foxtail, giant, bristly, yellow | 6 | 12 | 20 | - | - |
| Foxtail Carolina | 10 | - | | | |
| Foxtail green | 12 | - | - | | |
| Goatgrass, jointed | 6 | 12 | - | - | - |
| Goosegrass | - | 3 | 6 | - | 12 |
| Grain sorghum (milo) | 6 | 12 | 20 | - | - |
| Groundcherry | - | 3 | 6 | - | 9 |
| Groundsel, common | - | 6 | 10 | - | - |
| Hemp sesbania | | 2 | 4 | 6 | 8 |
| Henbit | | - | 6 | - | 12 |
| Horseweed Marestail *(Conyza canadensis)* | - | 6 | 12 | - | 18 |
| Itchgrass | 6 | 8 | 12 | - | 18 |
| Jimsonweed | - | - | 12 | - | 18 |

**ANNUAL WEEDS RATE TABLE** *(continued)*

| | RATE (fluid ounces per acre) | | | | |
|---|---|---|---|---|---|
| | 16 | 24 | 32 | 40 | 48 |
| **Weed Species** | **Maximum height/length (in inches)** | | | | |
| Johnsongrass, seeding | 6 | 12 | 18 | - | 24 |
| Junglerice | - | 3 | 6 | 7 | 9 |
| Knotweed | | - | 6 | - | 12 |
| Kochia[4] | - | 3 | 12 | - | - |
| Lambsquarters | - | 6 | 12 | - | 20 |
| Little barley | 6 | 12 | - | - | - |
| London Rocket | 6 | - | 24 | - | - |
| Mayweed | - | 2 | 6 | 12 | 18 |
| Morningglory, annual *(Ipomoea spp)* | - | - | 3 | - | 6 |
| Mustard, blue | 6 | 12 | 18 | - | - |
| Mustard, tansy | 6 | 12 | 18 | - | - |
| Mustard, tumble | 6 | 12 | 18 | - | - |
| Mustard, wild | 6 | 12 | 18 | - | - |
| Nightshade, black | - | 4 | 6 | - | 12 |
| Nightshade, hairy | - | 4 | 6 | - | 12 |
| Oats | 3 | 6 | 18 | - | - |
| Pigweed species | - | 12 | 18 | 24 | - |
| Prickly lettuce | - | 6 | 12 | - | - |
| Purslane | | - | 3 | - | 6 |
| Ragweed, common | | 6 | 12 | - | 18 |
| Ragweed, giant | | 6 | 12 | - | 18 |
| Red rice | | - | 4 | - | - |
| Rye, volunteer/cereal[2] | 6 | 18 | 18+ | - | - |
| Ryegrass | - | - | 6 | - | 12 |
| Sandbur, field | 6 | 12 | - | - | - |
| Sandbur, longspine | 6 | 12 | - | - | - |
| Shattercane | 6 | 12 | 20 | - | - |
| Shepherd'spurse | 6 | 12 | - | - | - |
| Sicklepod | - | 2 | 4 | - | 8 |
| Signalgrass, broadleaf | - | 3 | 6 | 7 | 9 |
| Smartweed, ladysthumb | - | - | 6 | - | 9 |
| Smartweed, Pennsylvania | - | - | 6 | - | 9 |
| Sowthisle, annual | - | - | 6 | - | 12 |
| Spanishneedles | - | - | 6 | - | 12 |
| Speedwell, purslane | 12 | - | - | - | - |
| Sprangletop | 6 | 12 | 20 | - | - |
| Spurge, prostrate | - | 6 | 12 | - | - |
| Spurge, spotted | - | 6 | 12 | - | - |
| Spurry, umbrella | 6 | - | - | - | - |
| Stinkgrass | - | 12 | - | - | - |
| Sunflower | 12 | 18 | - | - | - |
| Swinecress | - | 5 | 12 | - | - |
| Teaweed/Prickly sida | - | 2 | 4 | - | 6 |
| Texas panicum | 6 | 8 | 12 | - | 24 |
| Thistle, Russian[5] | - | 6 | 12 | - | - |
| Velvetleaf | - | - | 6 | - | 12 |
| Virginia pepperwood | - | 18 | - | - | - |
| Waterhemp | - | - | 6 | - | 12 |
| Wheat[2] | 6 | 12 | 18 | - | - |
| Wheat (overwintered) | - | 6 | 12 | - | 18 |
| Wild oats | 3 | 6 | 18 | - | - |
| Wild proso millet | - | 6 | 12 | - | - |
| Witchgrass | - | 12 | - | - | - |
| Woolly cupgrass | - | 6 | 12 | - | - |
| Yellow rocket | - | 12 | 20 | - | - |

[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 cotyledon to 2-leaf stage. Use 32 fluid ounces per acre to control 2- to 4-leaf wild buckwheat. For improved control of wild buckwheat over 2 inches in size, use sequential treatments of 32 fluid ounces followed by 32 fluid ounces of this product per acre.

[4] Do not treat 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, marestail/horseweed, 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 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.

## 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.

When using application methods that result in less than complete coverage, use a 5 percent solution for annual and perennial weeds and a 5 to 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 28 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, Stinkgrass, Russian thistle, Volunteer wheat, Witchgrass 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.

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| Alfalfa | 1-2 | 3-10 | 2% |
| | Make applications after the last hay cutting in the fall. Allow alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Applications must be followed with deep tillage at least 7 days after treatment, but before soil freeze-up. | | |
| Alligatorweed | 4 | 3-20 | 1.5% |
| | For partial control, apply when most of the plants are in bloom. Repeat applications will be required to maintain control. | | |
| Anise (fennel) | - | - | 1.2% |
| | Apply as a spray-to-wet treatment. Optimum results are obtained when plants are treated at the bud to full-bloom stage of growth. | | |
| Bahiagrass | 3.5 | 3-20 | 2% |
| | Apply when most plants have reached the early head stage. | | |
| Bentgrass | 1.5 | 10-20 | 2% |
| | For suppression in grass seed production areas. For ground applications only. Ensure entire crown area has resumed growth prior to a fall application. Bentgrass must have at least 3 inches of growth. Tillage prior to treatment must be avoided. Tillage 7 to 10 days after application for best results. | | |
| Bermudagrass | 3-5 | 3-20 | 2% |
| | For control, apply 5 quarts of this product per acre. For partial control, apply 3 quarts per acre. Treat when Bermudagrass is actively growing and seedheads are present. Retreatment may be necessary to maintain control. | | |
| Bermudagrass water (knotgrass) | 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, flushing or flooding the field.<br>Fall applications only: Apply 1 quart of this product in 5 to 10 gallons of water per acre. Fallow fields must be tilled prior to application. Apply prior to frost on water Bermudagrass that is 12 to 18 inches in length.<br>This product is not registered in California for use on water Bermudagrass. | | |
| Bindweed, field | 0.5-5 | 3-20 | 2% |
| | Do not treat when weeds are under drought stress as good soil moisture is necessary for active growth.<br>For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 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.<br>Also for control, apply 2 quarts of this product plus 0.5 pound of dicamba in 10 to 20 gallons of water per acre. Do not apply by air.<br>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 must be made following harvest or in fall fallow ground when the bindweed is actively growing and the majority of runners are 12 inches or more in length. The use of at least one irrigation will promote active bindweed growth. | | |

*(continued)*

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| | 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 per acre for aerial applications. Apply by air in fallow and reduced tillage systems only. Applications must be delayed until maximum emergence has occurred and when vines are between 6 to 18 inches in length.<br>In California only, apply 1 to 5 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 10 gallons of water per acre. Apply to bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Allow 3 or more days after application before tillage. | | |
| Bluegrass, Kentucky | 1-2 | 3-40 | 2% |
| | Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-early 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. | | |
| Blueweed, Texas | 3-5 | 3-40 | 2% |
| | Apply 4 to 5 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 | 3-4 | 3-40 | 1-1.5% |
| | Apply to fully expanded fronds that are at least 18 inches long. | | |
| Bromegrass, smooth | 1-2 | 3-40 | 2% |
| | Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-early 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. | | |
| Bursage, woolly-leaf | - | 3-20 | 2% |
| | For control, apply 2 quarts of this product plus 0.5 pound of dicamba per acre. For partial 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 initiated by moisture for at least 2 weeks and when plants are at or beyond flowering. | | |
| Canarygrass, reed | 2.3 | 3.40 | 2% |
| | For best results, apply when most plants have reached the boot-to-head stage of growth. | | |
| Cattail | 3-5 | 3-40 | 2% |
| | Apply when most plants have reached the early head stage. | | |
| Clover; red, white | 3-5 | 3-20 | 2% |
| | Apply when most plants have reached the early bud stage.<br>Also for control, apply 16 to 32 fluid ounces of this product plus 0.5 to 1 pound of 2, 4-D in 3 to 10 gallons of water per acre. | | |
| Cogongrass | 3-5 | 10-40 | 2% |
| | Apply when cogongrass is at least 18 inches tall in late summer or fall. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control. | | |
| Dallisgrass | 3-5 | 3-20 | 2% |
| | Apply when most plants have reached the early head stage. | | |

*(continued)*

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| Dandelion | 3-5 | 3-40 | 2% |
| | Apply when most plants have reached the early bud stage of growth. Also for control, apply 16 fluid ounces of this product plus 0.5 pound of 2, 4-D in 3 to 10 gallons of water per acre. Apply when most plants have reached the early bud stage of growth. Also for control, apply 16 to 32 fluid ounces of this product plus 0.5 to 1 pound of 2, 4-D in 3 to 10 gallons of water per acre. | | |
| Dogbane, hemp | 4 | 3-40 | 2% |
| | Apply when most plants have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow 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 ground applications and 3 to 5 gallons of water per acre for aerial applications. Delay applications until maximum emergence of dogbane has occurred. | | |
| Fescue, (except tall) | 3-5 | 3-20 | 2% |
| | Apply when most plants have reached the early head stage. | | |
| Fescue, tall | 1-3 | 3-40 | 2% |
| | Apply 3 quarts of this product per acre when most plants have reached boot-to-early 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 germinating after fall treatments or the following spring. | | |
| Guineagrass | 2-3 | 3-40 | 1% |
| | Apply when most plants have reached at least the 7-leaf stage of 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. | | |
| Horsenettle | 3-5 | 3-20 | 2% |
| | Apply when most plants have reached the early bud stage. | | |
| Horseradish | 4 | 3-40 | 2% |
| | Apply when most plants have reached the late bud to flower stage of growth. For best results, apply in late summer or fall. | | |
| Iceplant | - | - | 1.5-2% |
| | Iceplant must be at or beyond the early bud stage of growth. Thorough coverage is necessary for best control. | | |
| Jerusalem artichoke | 3-5 | 3-20 | 2% |
| | Apply when most plants are in the early bud stage. | | |
| Johnsongrass | 0.5-3 | 3-40 | 1% |
| | In annual cropping systems apply 1 to 2 quarts of this product per acre. Apply 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre. In noncrop, or areas where annual tillage (no-till) is not practiced, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre. For best results, apply when most plants have reached the boot-to-head stage of growth or in the fall prior to frost. Allow 7 or more days after application before tillage. Do not tank mix with residual herbicides when using 1 quart of this product per acre. For burndown of Johnsongrass, apply 1 pint of this product in 3 to 10 gallons of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage. Spot treatment (partial control or suppression) – Apply a 1 percent solution of this product when Johnsongrass is 12 to 18 inches in height. Coverage must be uniform and complete. | | |

*(continued)*

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| Kikuyugrass | 2-3 | 3-40 | 2% |
| | Spray when most kikuyugrass is at least 8 inches in height (3- or 4- leaf stage of growth). Allow 3 or more days after application before tillage. | | |
| Knapweed | 4 | 3-40 | 2% |
| | Apply when most plants have reached the late bud to flower stage of growth. For best results, apply in late summer or fall. | | |
| Lantana | - | - | 1-1.25% |
| | Apply at or beyond the bloom stage of growth. Use the higher application rate for plants that have reached the woody stage of growth. | | |
| Lespedeza | 3-5 | 3-20 | 2% |
| | Apply when most plants have reached the early bud stage. | | |
| Milkweed, common | 3 | 3-40 | 2% |
| | Apply when most plants have reached the late bud to flower stage of growth. | | |
| Muhly, wirestem | 1-2 | 3-40 | 2% |
| | Use 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when apply 10 to 40 gallons of water per acre or in pasture, sod, or non-crop areas. Spray when the wirestream muhly is 8 inches or more in height. Do not till between harvest and fall applications or in the fall or spring prior to spring applications. Allow 3 or more days after application before tillage. | | |
| Mullein, common | 3-5 | 3-20 | 2% |
| | Apply when most are in early bud stage. | | |
| Napiergrass | 3-5 | 3-20 | 2% |
| | Apply when most plants are early head stage. | | |
| Nightshade Silverleaf | 2 | 3-10 | 2% |
| | Applications must be made when at least 60 percent of the plants have berries. Fall treatments must be applied before a killing frost. | | |
| Nutsedge; Purple or yellow | 0.5-3 | 3-40 | 1-2% |
| | Apply 3 quarts of this product per acre or apply a 1 to 2 percent solution for control of nutsedge plants and immature nutlets attached to treated plants.<br>Treat when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets that have not germinated will not be con- trolled and may germinate following treatment. Repeat treatments will be required for long-term control of ungerminated tubers.<br>Sequential applications: 1 to 2 quarts of this product in 3 to 10 gallons of water per acre will also provide control. Make applications when a majority of the plants are in the 3- to 5-leaf stage (less than 6 inches tall). Repeat this application, as necessary, when newly emerging plants reach the 3- to 5 leaf stage. Subsequent applications will be necessary for long-term control.<br>For partial control of existing plants, apply 1 pint to 2 quarts of this product in 3 to 40 gallons of water per acre. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants. | | |
| Orchardgrass | 1-2 | 3-40 | 2% |
| | Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 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.<br>Orchardgrass sods going to no-till corn: Apply 1 to 1.5 quarts of this product in 3 to 10 gallons of water per acre. Apply to orchardgrass that is a minimum of 12 inches tall for spring application and 6 inches tall for fall applications. Allow at least 3 days following application before planting. A sequential application of atrazine will be necessary for optimum results. | | |

*(continued)*

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| Pampasgrss | - | - | 1.5-2% |
| | Pampasgrass must be at or beyond the boot stage of growth. Thorough coverage is necessary for best control. | | |
| Paragrass | 3-5 | 3-20 | 2% |
| | Apply when most plants are in the early head stage. | | |
| Phragmites | 3-5 | 10-40 | 1-2% |
| | For partial control and best results, treat during late summer or fall when plants are actively growing and in full bloom. Treatment before or after this stage may lead to reduced control. Due to the dense nature of the vegetation, which may prevent good spray coverage or uneven stages of growth, repeat treatments may be necessary to maintain control. Visual control symptoms will be slow to develop. | | |
| Poison hemlock | - | - | 1-2% |
| | Apply as a spray-to-wet treatment. Optimum results are obtained when plants are treated at the bud to full-bloom stage of growth. | | |
| Pokeweed, common | 1.0 | 3-40 | 2% |
| | Apply to actively growing plants up to 24 inches tall. | | |
| Quackgrass | 1-3 | 3-40 | 2% |
| | In annual cropping systems, or in pastures and sods followed by deep tillage: Apply 1 quart of this product in 3 to 10 gallons of water per acre. For 10 to 40 gallons of water per acre, apply 2 quarts of this product. Do not tank mix with residual herbicides when using the 1-quart rate. Spray when quackgrass is 6 to 8 inches in height. Do not till between harvest and fall applications or in fall or spring prior to spring application. Allow 3 or more days after application before tillage. In pastures or sods, use a moldboard plow for best results.<br>In pastures, sods or noncrop areas where deep tillage does not follow application: Apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre when the quackgrass is greater than 8 inches tall. | | |
| Redvine | 0.75-2 | 5-10 | 2% |
| | For suppression, apply 24 fluid ounces of this product per acre at each of two applications 7 to 14 days apart or a single application of 2 quarts per acre. Apply specified rates in 5 to 10 gallons of water per acre. Apply in late September or early October to plants that are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost. | | |
| Reed, giant | - | - | 2% |
| | Best results are obtained when applications are made in late summer to fall. | | |
| Ryegrass, perennial | 1-3 | 3-40 | 1% |
| | In annual cropping systems apply 1 to 2 quarts of this product per acre. Apply 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre. In noncrop, or areas when annual tillage (no-till) is not practiced, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre.<br>For best results, apply when most plants have reached the book-to-head stage of growth or in the fall prior to frost. Do not tank- mix with residual herbicides when using 1 quart of this product per acre. | | |
| Smartweed, swamp | 3-5 | 3-40 | 2% |
| | Apply when most plants have reached the early bud stage of growth. Also for control, apply 16 fluid ounces of this product plus 0.5 pound of 2, 4-D in 3 to 10 gallons of water per acre in the late summer or fall. | | |
| Sowthistle, perennial | 2-3 | 3-40 | 2% |
| | Apply when most plants are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage. | | |

*(continued)*

| Weed Species | Rate (QT/A) | Water Volume (GPA) | Hand-Held % Solution |
|---|---|---|---|
| Spurge, leafy | - | 3-10 | 2% |
| | 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 in the late summer or fall. If mowing has occurred prior to treatment, apply when most of the plants are 12 inches tall. | | |
| Starthistle, yellow | 2 | 10-40 | 2% |
| | Best results are obtained when applications are made during the rosette, bolting and early flower stages. | | |
| Sweet potato, wild | - | - | 2% |
| | For partial control, apply to plants that are at or beyond the bloom stage of growth. Repeat applications may be required. | | |
| Thistle, artichoke | - | - | 2% |
| | For partial control, apply to plants that are at or beyond the bloom stage of growth. Repeat applications may be required. | | |
| Thistle, Canada | 2-3 | 3-40 | 2% |
| | Apply when most plants are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.<br>For suppression in the spring, apply 1 quart of this product, or 1 pint of this product plus 0.5 pound of 2,4-D, in 3 to 10 gallons of water per acre. Allow rosette regrowth to a minimum of 6 inches in diameter before treating. Applications can be made as long as leaves are still green and plants are actively growing at the time of application. Allow 3 or more days after application before tillage. | | |
| Timothy | 2-3 | 3-40 | 2% |
| | For best results, apply when most plants have reached the boot-to-head stage of growth. | | |
| Torpedograss | 4-5 | 3-40 | 2% |
| | For partial control, apply when most plants are at or beyond the seedhead stage of growth. Repeat applications will be required to maintain control. Fall treatments must be applied before frost. | | |
| Trumpetcreeper | 2 | 5-10 | 2% |
| | Apply when at least 50 percent of the new leaves are fully developed. For partial control, apply in late September or October, to plants that are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost. | | |
| Vaseygrass | 3-5 | 3-20 | 2% |
| | Apply when most plants are in the early head stage. | | |
| Velvetgrass | 3-5 | 3-20 | 2% |
| | Apply when most plants are in the early head stage. | | |
| Wheatgrass, western | 2-3 | 3-40 | 2% |
| | For best results, apply when most plants have reached the boot-to-head stage of growth. | | |

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

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. Unless otherwise directed, apply broadcast treatments in 3 to 40 gallons of water per acre. Ensure thorough coverage when using hand-held equipment. 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.

PC =Partial Control; C=Control

| Weed Species | Rate (QT/A) | Hand-Held % Solution | Comments* |
|---|---|---|---|
| Alder | 3-4 | 1-1.5% | C |
| Ash | 2-5 | 1-2% | PC |
| Aspen, quaking | 2-3 | 1-1.5% | C |
| Bearmat (Bearclover) | 2-5 | 1-2% | PC |
| Beech | 2-5 | 1-2% | PC |
| Birch | 2-5 | 1-1.5% | C |
| Blackberry | 3-4 | 1-1.5% | C |
| 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 and until a killing frost or as long as stems are green. After berries have set or dropped in late fall, blackberry can be controlled by applying a 0.75 percent solution of this product. For control of blackberries after leaf drop and until killing frost or as long as stems are green, apply 3 to 4 quarts of this product in 10 to 40 gallons of water per acre. | | | |
| Blackgum | 2-5 | 1-2% | C |
| Bracken | 2-5 | 1-2% | C |
| Brome; French, Scotch | - | 1-5.2% | C |
| Buckwheat, California | - | 1.2% | PC |
| Thorough coverage of foliage is necessary for best results. | | | |
| Cascara | 2-5 | 1-2% | PC |
| Catsclaw | - | 1-1.5% | PC |
| Ceanothus | 2.5 | 1-2% | PC |
| Chamise | - | 1% | C |
| Thorough coverage of foliage is necessary for best results. | | | |
| Cherry, bitter | | | |
| Black, pin | 2-3 | 1-1.5% | C |
| Coyote brush | - | 1.5-2% | C |
| Dogwood | 2-5 | 1-2% | PC |
| Elderberry | 2-3 | 1-1.5% | C |
| Elm | 2-5 | 1-2% | PC |
| Eucalyptus | - | 2% | C |
| For control of Eucalyptus resprouts, apply when resprouts are 6 to 12 feet tall. Ensure complete coverage. Avoid application to drought-stressed plants. | | | |
| Florida holly (Brazilian Peppertree) | 2-5 | 1-2% | PC |
| Gorse | 2-5 | 1-2% | PC |
| Hasardia | - | 1-2% | PC |
| Thorough coverage of foliage is necessary for best results. | | | |

| Weed Species | Rate (QT/A) | Hand-Held % Solution | Comments* |
|---|---|---|---|
| Hawthorn | 2-3 | 1-1.5% | C |
| Hazel | 2-3 | 1-1.5% | C |
| Hickory | 2-5 | 1-2% | PC |
| Honeysuckle | 3-4 | 1-1.5% | C |
| Hornbeam, American | 2-5 | 1-2% | PC |
| Kudzu | 4-5 | 2% | C |
| Repeat applications may be required to maintain control. | | | |
| Locust, black | 2-4 | 1-2% | PC |
| Madrone resprouts | - | 2% | PC |
| Apply to resprouts that are 3 to 6 feet tall. Best results are obtained with spring/early summer treatments. | | | |
| Manzanita | 2-5 | 1-2% | PC |
| Maple, red | 2-4 | 1-1.5% | C |
| 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. | | | |
| Maple, sugar | - | 1-1.5% | C |
| Apply when at least 50 percent of the new leaves are fully developed. | | | |
| Monkey flower | - | 1-2% | PC |
| Thorough coverage of foliage is necessary for best results. | | | |
| Oak, black, white | 2-4 | 1-2% | PC |
| Oak, post | 3-4 | 1-1.5% | C |
| Oak, northern | - | 1-1.5% | C |
| Apply when at least 50 percent of the new pin leaves are fully developed. | | | |
| Oak, southern red | 2-3 | 1-1.5% | C |
| Persimmon | 2-5 | 1-2% | PC |
| Pine | 2-5 | 1-2% | C |
| Poison Ivy/Poison Oak | 4-5 | 2% | C |
| Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color. | | | |
| Poplar yellow | 2-5 | 1-2% | PC |
| Redbud, eastern | 2-5 | 1-2% | C |
| Rose, multiflora | 2 | 1% | C |
| Treatments must be made prior to leaf deterioration by leaf-eating insects. | | | |
| Russian olive | 2-5 | 1-2% | PC |
| Sage, black | - | 1% | C |
| Thorough coverage of foliage is necessary for best results. | | | |
| Sage, white | 2-5 | 1-2% | PC |
| Sage brush,California | - | 1% | C |
| Thorough coverage of foliage is necessary for best results. | | | |
| Salmonberry | 2-3 | 1-1.5% | PC |
| Saltcedar | 2-5 | 1-2% | C |
| Sassafras | 2-5 | 1-2% | PC |
| Sourwood | 2-5 | 1-2% | PC |
| Sumac, poison | | | |
| Smooth, winged | 2-4 | 1-2% | PC |
| Sweetgum | 2-3 | 1-1.5% | C |
| Swordfern | 2-5 | 1-2% | PC |

| Weed Species | Rate (QT/A) | Hand-Held % Solution | Comments* |
|---|---|---|---|
| Tallowtree, Chinese | - | 1% | C |
| Thorough coverage of foliage is necessary for best results. | | | |
| Tan oak resprouts | - | 2% | PC |
| Apply to resprouts that are less than 3 to 6 feet tall. Best results are obtained with fall applications. | | | |
| Thimbleberry | 2-3 | 1-1.5% | C |
| Tobacco, tree | - | 1-2% | PC |
| Trumpetcreeper | 2-3 | 1-1.5% | C |
| Vine maple | 2-5 | 1-2% | PC |
| Virginia creeper | 2-5 | 1-2% | C |
| Waxmyrtle, southern | 2-5 | 1-2% | PC |
| Willow | 3-4 | 1-1.5% | C |

## 16.0 LIMIT OF WARRANTY AND LIABILITY (DISCLAIMER)

MEY Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. 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.

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

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

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

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## READ ENTIRE LABEL BEFORE USING THIS PRODUCT

### PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION** – Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves.
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, shoes plus socks and waterproof gloves.
Follow the 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 Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

### ENVIRONMENTAL HAZARDS

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

# MEYCHEM™ 41%

## Glyphosate HERBICIDE

This product is a post emergent, 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.

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

| FIRST AID | |
|---|---|
| **If in eyes** | • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.<br>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.<br>• Call a poison control center or doctor for treatment advice. |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. This product is identified as MEYCHEM 41 % Glyphosate Herbicide, EPA Reg. No. 80967-1. You may also contact 1-800-262-8200 for emergency treatment information. | |

**See Booklet for Complete Precautionary Statements and Directions for Use.**

| ACTIVE INGREDIENT: | |
|---|---|
| *Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt | 41.0% |
| OTHER INGREDIENTS: | 59.0% |
| | 100.0% |

*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 356 grams per liter or 3 pounds per U.S. gallon of the acid, glyphosate.

EPA Reg. No. 80967-1
EPA Est. No.

Net Contents:

Manufactured for:
MEY Corporation
121 S. Estes Drive, Suite 101
Chapel Hill, NC 27514

### PHYSICAL OR CHEMICAL HAZARDS

Spray solutions of this product must 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 UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

### Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
**Pesticides Storage:** Keep container closed to prevent spills and contamination.
**Pesticide Disposal:** Wastes of this product may be dangerous. Improper disposal of excess pesticide or rinse is a violation of Federal Law. If these wastes cannot be disposed of according to the label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.
**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. *[For product containers equal to or less than 5 gallons]* Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container with ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. *[For product containers greater than 5 gallons]* Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### WARRANTY AND LIABILITY

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